

Statistical bulletin

GDP quarterly national accounts, UK: January to March 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.



Contact:
Charlotte Richards
gdp@ons.gov.uk
+44 (0)1633 455284

Release date:
28 June 2019

Next release:
9 August 2019

Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [The UK economy grows by an unrevised 0.5% in Quarter 1 2019](#)
4. [Output of all three main industry groups increased in Quarter 1 2019](#)
5. [Household consumption and investment increase as the trade deficit widens in Quarter 1 2019](#)
6. [Nominal GDP rises by a revised 0.9% in Quarter 1 2019](#)
7. [How is the UK economy performing compared with other European and non-European countries?](#)
8. [Links to related statistics](#)
9. [Are there any upcoming changes?](#)
10. [Quality and methodology](#)

1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.5% in Quarter 1 (Jan to Mar) 2019, unrevised from the first estimate for this quarter.
- When compared with the same quarter a year ago, UK GDP increased by 1.8% to Quarter 1 (Jan to Mar) 2019; up from 1.4% in the year to Quarter 4 (Oct to Dec) 2018.
- The services sector provided the largest contribution to growth in the output approach to measuring GDP, while production also contributed positively, due largely to growth of 1.9% in manufacturing output.
- Household expenditure, government consumption and investment contributed positively to GDP growth in Quarter 1 2019, while net trade contributed negatively.
- Nominal GDP increased by 0.9% in Quarter 1 2019, revised down from the first estimate of 1.0%, in part reflecting weaker than expected wages and salaries data.

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 [short guide to national accounts \(PDF, 317KB\)](#).

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

In a change to the [National Accounts Revisions Policy](#), the dataset is only open for revision in Quarter 1 (Jan to Mar) 2019. The latest estimates include revisions to lower-level GDP components, due to the receipt of new survey returns as well as updated seasonal factors reflecting the latest data. Given the revisions window in this quarterly national accounts release, Value Added Tax (VAT) turnover data for Quarter 4 (Oct to Dec) 2018 have not been incorporated into these estimates.

International Financial Reporting Standards (IFRS16)

In January 2019, a new reporting standard took effect for those businesses using accountancy framework International Financial Reporting Standards (IFRS16). IFRS16 Leases brings the reporting of operating leases onto balance sheets. This has impacted how some businesses have reported on their fixed assets, mainly through our Quarterly Acquisition and Disposal of Capital Assets Survey (QCAS), used in the compilation of gross fixed capital formation (GFCF) and business investment.

While we recognise there is a change to the accounting standards for some businesses this quarter, there has been no change to national accounts standards on the treatment of leases, as we need to be consistent with the European System of Accounts 2010: ESA 2010, which specifies that operating leases should be excluded.

To assess the impact of IFRS16's introduction on GFCF and business investment estimates, we contacted around 290 QCAS respondents with large movements in their data to ask them which accountancy framework they used and, if using the IFRS framework, what if any impact IFRS16 has had on their data for Quarter 1 (Jan to Mar) 2019.

As a result, we have made an adjustment of approximately £240 million to remove the quantified impact of its introduction and better reflect underlying growth for GFCF and business investment. This adjustment has been applied mainly to reflect the impact on generally larger companies. The asset most affected by the introduction of IFRS16 in this revised dataset was ICT equipment and other machinery and equipment.

We will continue to adjust for IFRS16's impact going forward due to the inclusion of operating leases being contrary to the requirements of ESA 2010.

We will also continue to monitor the impact of IFRS16's introduction in Quarter 2 (Apr to June) 2019 as some companies we contacted told us they would introduce IFRS16 at the start of the new financial year (April 2019 to March 2020).

New GDP publication model survey

Please take the time to complete our [survey on the new GDP publication model](#), which was introduced in July 2018.

3 . The UK economy grows by an unrevised 0.5% in Quarter 1 2019

UK [gross domestic product \(GDP\)](#) is estimated to have increased by an unrevised 0.5% in Quarter 1 (Jan to Mar) 2019. This follows from the slowdown in growth in Quarter 4 (Oct to Dec) 2018 when GDP grew by 0.2%. In comparison with the same quarter a year ago, UK GDP increased by an unrevised 1.8%, its fastest rate since Quarter 3 (July to Sept) 2017 (Figure 1).

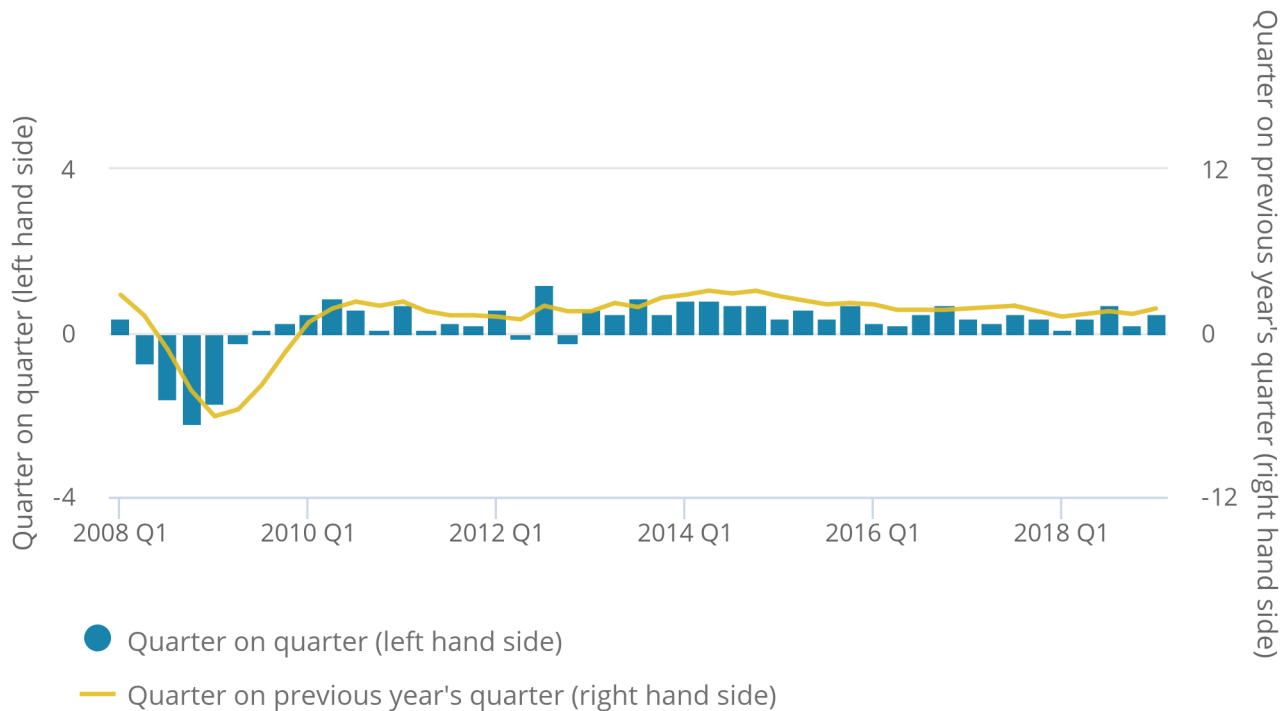
The pickup in the first quarter is in part due to the profile of the monthly path of late, where a relatively weak figure for December 2018 has fed through to the quarterly figure. More information on the monthly path of GDP can be found in the latest [GDP monthly estimate, UK: April 2019](#) release.

Figure 1: Real GDP increased by an unrevised 0.5% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2019

Figure 1: Real GDP increased by an unrevised 0.5% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 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.

The implied GDP deflator represents the broadest measure of inflation in the economy, reflecting changes in the price of all goods and services that comprise GDP. This includes the price movements in private and government consumption, investment and the relative price of exports and imports.

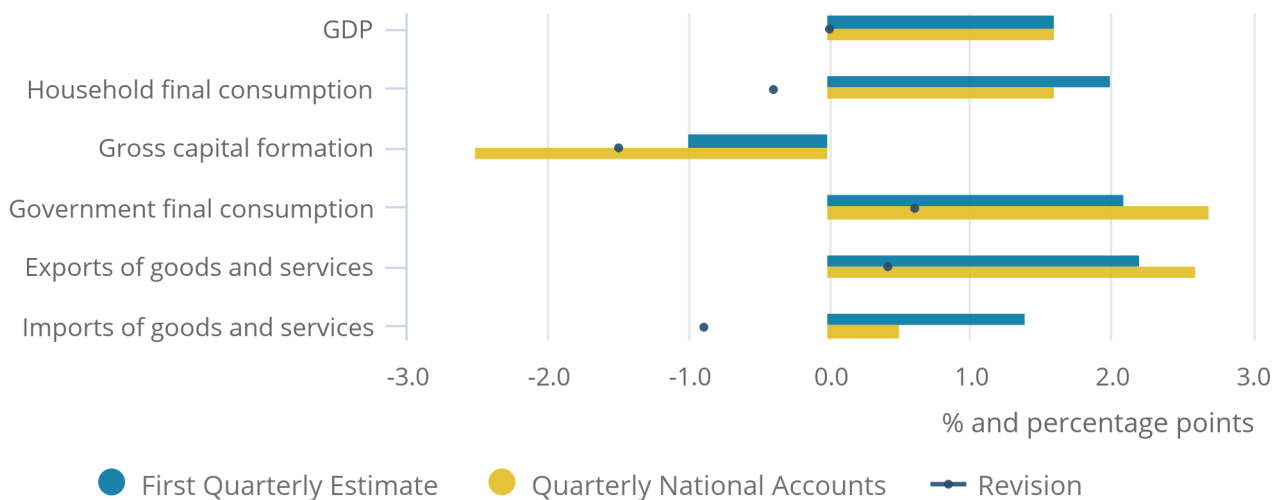
In the year to Quarter 1 2019, the GDP deflator increased by an unrevised 1.6%, continuing the easing that has been seen in recent quarters. Despite the headline figure being unrevised, there have been offsetting revisions to lower-level components of the GDP deflator, most notably in gross capital formation and imports (Figure 2).

Figure 2: The implied GDP deflator is unrevised in Quarter 1 2019, though there are offsetting revisions to price movements in lower-level expenditure components

UK, Quarter 1 (Jan to Mar) 2019

Figure 2: The implied GDP deflator is unrevised in Quarter 1 2019, though there are offsetting revisions to price movements in lower-level expenditure components

UK, Quarter 1 (Jan to Mar) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Chart shows quarter on corresponding quarter of previous year growth and revision to the implied GDP deflator and lower-level expenditure components.

The quarter-on-quarter movement in the implied deflator reflects weakness in the implied import deflator for goods, which has been driven by falls in the price of fuel imports – including gas and electricity and crude and refined oil – due to a fall in oil prices in Quarter 1 2019.

There has also been a notable downward revision in the implied deflator for gross capital formation in Quarter 1 2019, although this broadly reflects erratic movements in non-monetary gold. This has been partially offset by a marginal increase in the implied deflator for government consumption, primarily reflecting a fall in the volume of government social security administration expenditure.

Nominal GDP increased by 0.9% in Quarter 1 2019, a downward revision of 0.1 percentage points, marking a pickup on the quarter.

Table 1 provides an overview of some of the headline economic indicators for the UK.

Table 1: Headline economic indicators for the UK
UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 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							
2017	1.8	2.2	3.5	1.2	4.1	4.2	2.2
2018	1.4	1.8	0.2	0.7	3.3	4.2	1.9
Q1 2017	0.4	0.7	1.0	0.3	1.2	0.8	2.6
Q2 2017	0.3	0.4	1.9	0.1	0.4	1.5	2.0
Q3 2017	0.5	0.5	0.3	0.4	1.1	0.7	2.2
Q4 2017	0.4	0.3	0.7	0.3	1.0	1.0	2.0
Q1 2018	0.1	0.5	-0.8	-0.1	0.7	1.0	1.9
Q2 2018	0.4	0.5	-0.6	0.2	0.7	0.9	2.0
Q3 2018	0.7	0.4	0.9	0.5	1.1	1.6	1.9
Q4 2018	0.2	0.3	-0.6	0.1	0.7	0.8	1.8
Q1 2019	0.5	0.6	1.2	0.4	0.9	0.4	1.6

Source: Office for National Statistics – UK National Accounts

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)., Population data are consistent with the 28 June 2018 published estimates., Quarterly percentage change in the GDP implied deflator reflects growth compared with the same quarter a year ago. [Back to table](#)

4 . Output of all three main industry groups increased in Quarter 1 2019

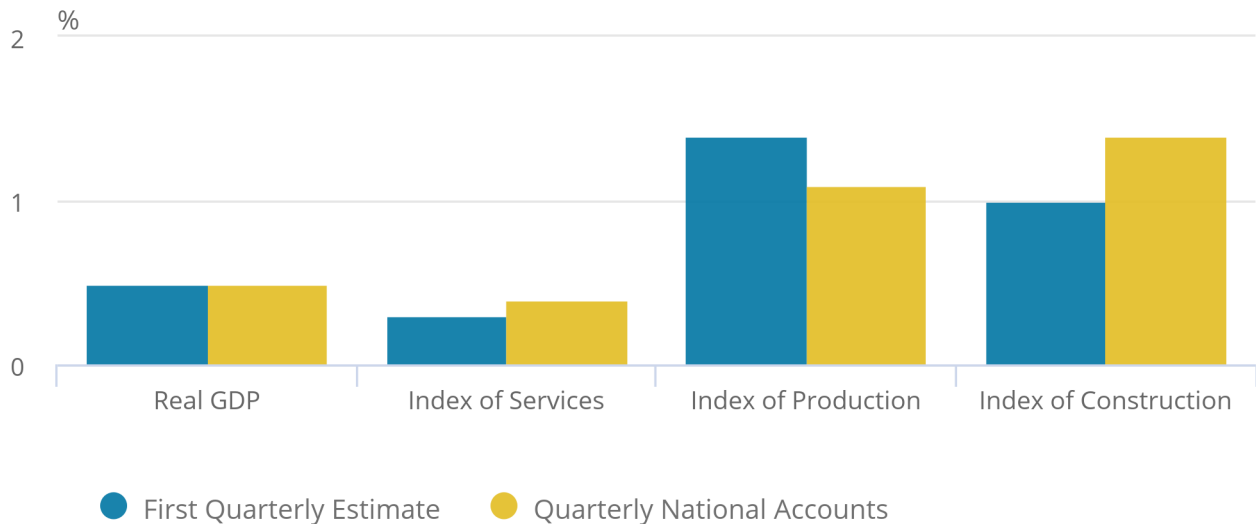
The output measure of gross domestic product (GDP) increased by an unrevised 0.5% in Quarter 1 (Jan to Mar) 2019. Services and construction output estimates have been revised upwards, with the latest estimates showing increases of 0.4% and 1.4% respectively in the first quarter of the year. In contrast, production output has been revised downwards and is now estimated to have increased by 1.1% in Quarter 1 2019 (Figure 3).

Figure 3: Upward revisions to services and construction were offset by a downward revision to production

UK, Quarter 1 (Jan to Mar) 2019

Figure 3: Upward revisions to services and construction were offset by a downward revision to production

UK, Quarter 1 (Jan to Mar) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Chart shows percentage change on previous quarter.

Services output increased by a revised 0.4% in Quarter 1 2019, a slight easing from the previous quarter (Figure 4). This slowdown was also seen in the UK services Purchasing Managers Index (PMI) reading of 50.1 in Quarter 1 2019, the weakest it has been since Quarter 4 (Oct to Dec) 2012.

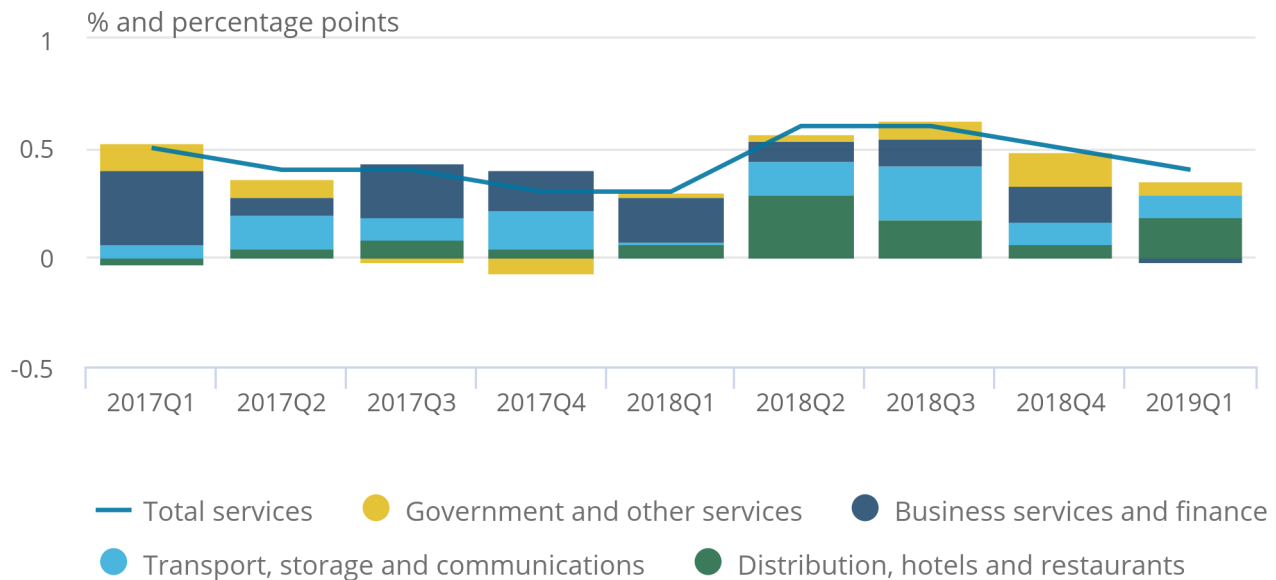
In March 2019, the services PMI marked its first contraction in activity since 2012, which was attributed to how “corporate clients had opted to delay spending in response to political uncertainty”.

Figure 4: Growth in services slows slightly to 0.4% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 2019

Figure 4: Growth in services slows slightly to 0.4% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 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 services quarter-on-quarter growth.
3. Components contributions may not sum to total due to rounding.

The increase in Quarter 1 2019 was driven mainly by wholesale retail and motor trade, which grew 1.2% in the first quarter of the year. This reflected a [pickup in retail sales](#), with an increase in the quantity bought across all stores, with the exception of department stores and household goods stores. However, the [Bank of England's Agents' Summary Survey](#) paints a weaker picture, the latter attributing the weakening demand for household goods to the relatively subdued UK housing market, in addition to the recent political uncertainty.

Transport, storage and communication increased by 1.0%, following strong growth throughout most of 2018. Some of this has been offset by declines in other areas, such as business services and finance, which fell 0.1% in Quarter 1 2019, despite strength in computer programming.

There has also been a continued decline in financial and insurance activities, which fell by a revised 1.0% in the first quarter of 2019, reflecting the incorporation of new financial services data from the Bank of England. This fall is also consistent with the [Bank of England's Agents' Summary Survey](#), which attributed some of the recent decline in financial services to weaker demand, reflecting recent political uncertainty as well as worries around trade tensions between the US and China.

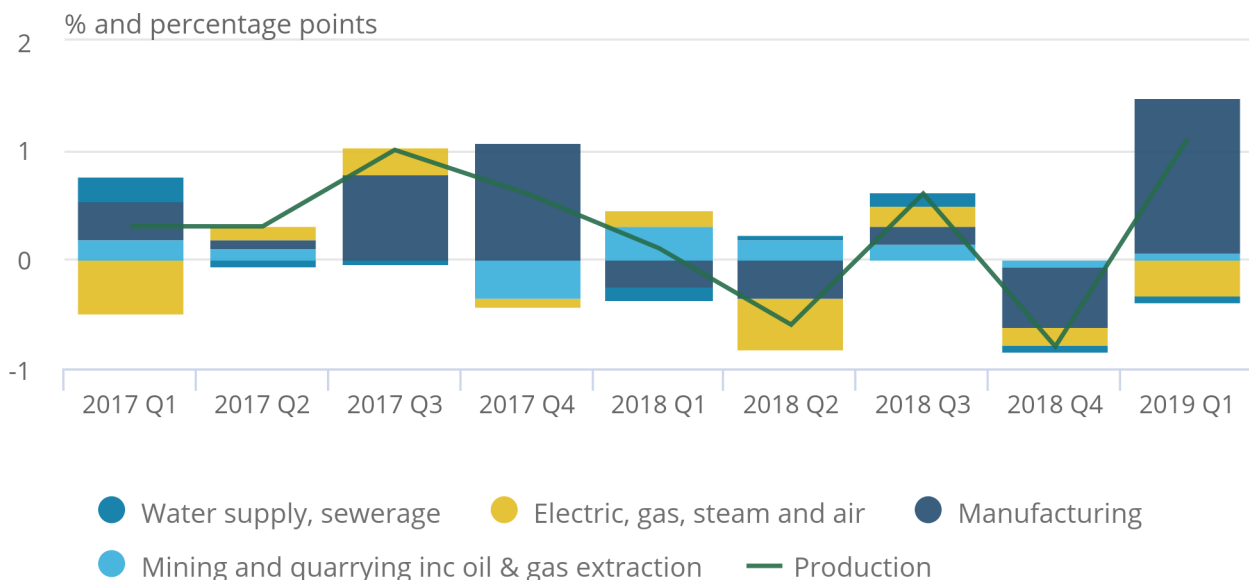
Production output is estimated to have increased by 1.1% in Quarter 1 2019, revised from its previous estimate of 1.4% (Figure 5), reflecting the receipt of new survey estimates for the manufacturing, and mining and quarrying industries. Manufacturing output is now estimated to have increased by 1.9%, its strongest rate since Quarter 3 (July to Sept) 1999 when manufacturing output grew by 2.1%.

Figure 5: Production grew at the strongest rate since Quarter 2 2016, despite a downward revision

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 2019

Figure 5: Production grew at the strongest rate since Quarter 2 2016, despite a downward revision

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 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 production quarter-on-quarter growth.
3. Components contributions may not sum to total due to rounding.

The strong growth in manufacturing is consistent with an increase in activity ahead of the UK's originally intended departure date from the European Union, and relates to the timing of deliveries from manufacturing businesses to their customers. However, we are unable to clearly quantify the effect of this.

There have been concerns that there may be disruptions at the UK border, and there has been external survey evidence that points to a sharp uptick in businesses increasing their inventories of stocks. For instance, the latest Bank of England's Agents' Summary shows that "around half of all respondents had been building inventories as part of their contingency planning for Brexit", while almost one-third of respondents to the latest Decision Maker's Panel Survey reported an increase in stock levels.

It is difficult to unpick how much of the increase in manufacturing output in Quarter 1 2019 might reflect the increase of domestic output produced by UK manufacturers in response to the stockpiling demands by UK and/or foreign manufacturers. This pickup in manufacturing was also captured in the Markit UK Manufacturing PMI for March 2019, which recorded a 13-month high in manufacturing activity due to "companies stepping up production to build-up inventories in advance of Brexit and to also meet rising inflows of new work".

Looking at the particular components of manufacturing reporting growth, strength is mainly attributed to food, beverages and tobacco, driven by an increase in the manufacture of alcohol products, reflecting [strong export demand](#).

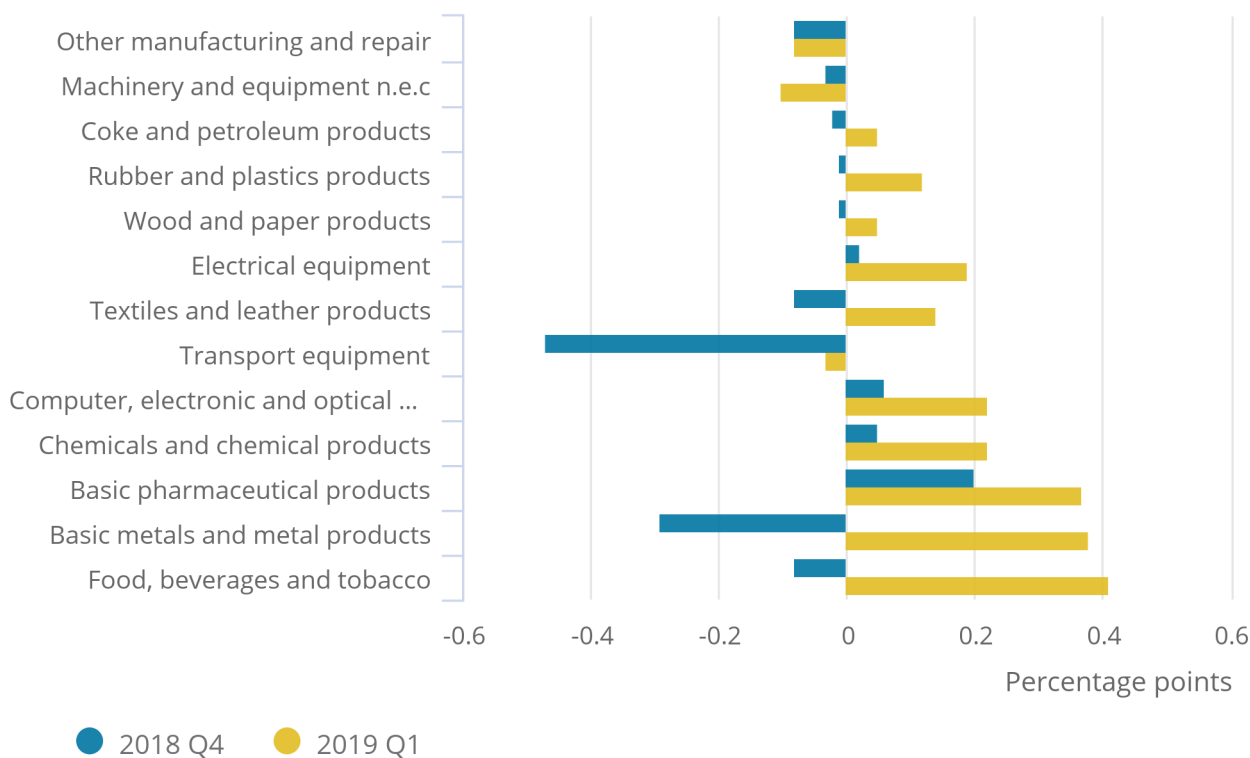
The metal product manufacturing industry also recovered from a fall in the final quarter of 2018, while there has also been notable growth in the relatively volatile pharmaceuticals industry, which increased by a revised 5.9% in the first quarter of 2019 (Figure 6). This was driven mainly by growth in exports of pharmaceutical products, some of which was likely in anticipation of the UK's original exit date from the European Union at the end of March 2019.

Figure 6: Manufacturing growth was driven by widespread increases in Quarter 1 2019

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

Figure 6: Manufacturing growth was driven by widespread increases in Quarter 1 2019

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



Source: Office for National Statistics –UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to manufacturing quarter-on-quarter growth.
3. Components contributions may not sum to total due to rounding.

Following receipt of new data from the Department for Business, Energy and Industrial Strategy (BEIS), mining and quarrying output estimates have been revised down by 1.1 percentage points. The latest estimates show that this industry grew by 0.9% in Quarter 1 2019, following a decline of 0.8% in Quarter 4 2018. This quarterly increase is predominantly due to relatively new oil fields maturing in production capacity, which has led to an increase in output in the first three months of 2019.

Output in the electricity, gas, steam and air industry fell for the second consecutive quarter, decreasing by 2.8% in Quarter 1 2019, with the fall due primarily to warmer than average temperatures during the first three months of the year. There was also a decline of 0.8% in the water supply and sewerage sector, driven by widespread falls across the industry.

Construction output grew by 1.4% in the first quarter of the year, revised up by 0.4 percentage points. This follows from a weak end to last year when construction fell by 0.5% in Quarter 4 2018. The latest [Bank of England's Agents' Summary Survey](#) notes how "heightened caution around business investment has resulted in some commercial developments being paused or delayed".

5 . Household consumption and investment increase as the trade deficit widens in Quarter 1 2019

The expenditure measure of gross domestic product (GDP) increased by 0.5% in Quarter 1 (Jan to Mar) 2019. Despite some revisions to lower-level components of the expenditure measure of GDP, private consumption, government consumption and gross capital formation (GCF) continued to contribute positively to growth, while net trade subtracted from GDP growth in the first quarter of 2019 (Figure 7).

There have been some notable movements in imports of unspecified goods in the first quarter of 2019. These unspecified goods include non-monetary gold (NMG) and account for the large and offsetting impacts to gross capital formation and net trade.

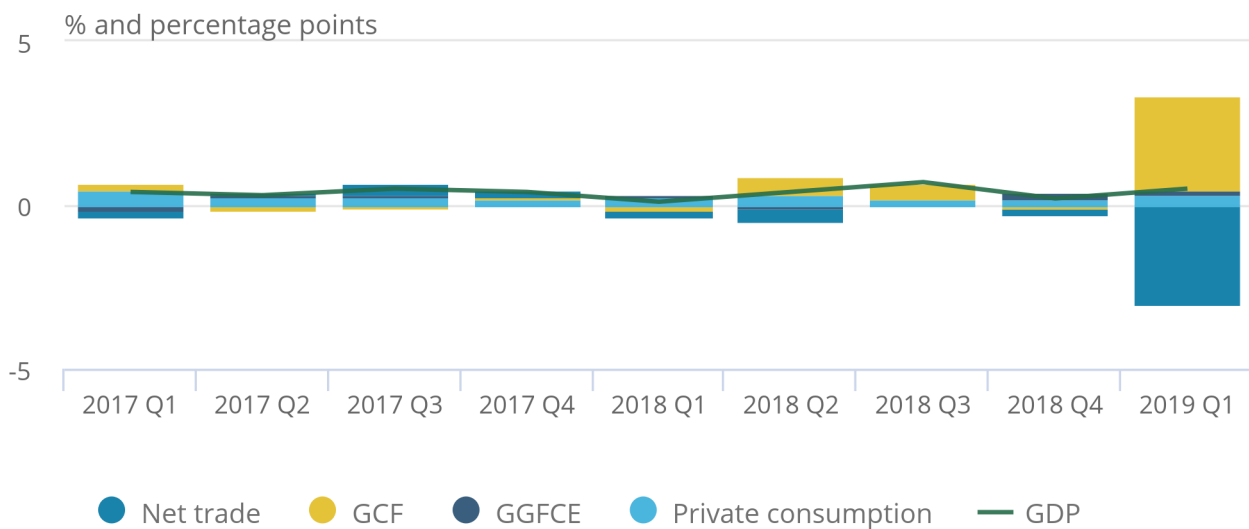
These movements do not affect headline GDP as they are recorded as equivalent offsetting impacts in the UK National Accounts, but this is reflected in the composition of GDP growth. More information on [how non-monetary gold \(NMG\) features in GDP](#) is available. As such, this has been reflected in a record high level of the acquisition less disposal of valuables.

Figure 7: There have been large offsetting movements in imports of unspecified goods in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 2019

Figure 7: There have been large offsetting movements in imports of unspecified goods in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 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 may not sum to total gross domestic product due to rounding and loss of additivity in data prior to open period. The statistical discrepancy is also not displayed.

Private consumption – which consists of both households and non-profit institutions serving households (NPISH) sections – increased by 0.6% in Quarter 1 2019, revised down slightly from the first estimate of 0.7%.

External evidence points towards continued weakness in consumer demand. The latest [Bank of England Agents' Summary of Business Conditions](#) states that “uncertainty about Brexit and the wider economy weighed on spending” in Quarter 1 2019, while the [GfK Consumer Confidence](#) index remained unchanged at negative 13 in March 2019, below its long-run average.

Household consumption of miscellaneous goods and services – which includes spending on other financial services – increased by 2.9% in Quarter 1 2019, following a fall of 1.0% in Quarter 4 (Oct to Dec) 2018. Miscellaneous goods and services made the largest overall contribution to household consumption in the first quarter of the year, largely as a result of increased expenditure on other financial services.

Net tourism also made a notable positive contribution to growth in Quarter 1 2019, following a fall in the previous quarter. This reflected a fall in foreign tourist expenditure in the UK, which more than offset the increase in UK resident's expenditure abroad. More information on the [treatment of tourism in the UK national accounts](#) is available. In contrast, there has been a notable fall in household consumption of restaurant services, marking a fall back following the final quarter of 2018.

Government consumption is estimated to have increased by 0.8% in Quarter 1 2019, following an increase of 1.3% in the previous quarter. This increase reflects widespread growth in a number of areas including health, which increased by 0.6%, and other functions of central government, such as general public services and economic affairs.

The quarterly growth of 0.8% in government consumption in Quarter 1 2019 represents a downward revision of 0.6 percentage points compared with the first quarterly estimate. This was predominantly due to a downward revision to general public services, reflecting new data on government social security administration expenditure.

Gross fixed capital formation (GFCF) increased by 1.2% in the first three months of 2019, revised down from the first estimate of 2.1%. This primarily reflects revisions to government investment, which is now estimated to have increased by 5.2%, compared with its previous estimate of 8.1%, due to initial budget estimates being replaced by provisional financial year data. The quarterly increase was due to increases across a number of central government departments. Government consumption and investment figures are based on the latest available information, provided by government departments including HM Treasury and local authorities.

Following four consecutive quarters of decline throughout 2018, business investment grew by a revised 0.4% in the first quarter of 2019 – revised downwards by 0.1 percentage points compared with the first quarterly estimate for Quarter 1 2019. At an asset level, investment in other buildings and structures has been the main contributor to growth. Some of the growth in the investment in buildings has been offset by a fall in investment in transport, which continued its recent decline in the first quarter of the year.

[Previous analysis](#) has highlighted how businesses have held back on capital spending at a point in the cycle where previous historical episodes would point to a pickup. These figures should be interpreted with some caution as early estimates of business investment can be prone to revision.

External evidence suggests that investment intentions remained weak in Quarter 1 2019. The latest [Bank of England Agents' Summary of Business Conditions](#) reported that investment intentions fell sharply in manufacturing, with a modest decline in services. Political uncertainty continues to be cited as having a negative impact on investment, as seen in the Quarter 1 2019 [Decision Maker's Panel](#), while the latest [Deloitte Chief Financial Officers \(CFO\) Survey](#) states that "more than half of CFOs continue to rate current levels of uncertainty as high or very high".

It should be noted that GFCF and business investment estimates remain subject to relatively higher levels of uncertainty in this release, reflecting the introduction of International Financial Reporting Standard 16 (IFRS16) Leases in January 2019 – further information can be found in the [Things you need to know](#) about this release section.

There has been much interest in the extent to which stock building has been taking place in the UK, which would be recorded under changes in inventories. Alignment adjustments and balancing adjustments are often applied to official inventories estimates to help balance the different approaches to GDP – more detail on these can be found in the [Quality and methodology](#) section of this publication.

When these adjustments are removed, the underlying data show a substantial increase of £6.6 billion in stocks being held by UK companies in the most recent quarter (Table 2). [Data for previous periods](#) are available.

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

	Change in Inventories	Of which alignment	Of which balancing	Change in Inventories excluding alignment and balancing
Current price	3612	-929	-500	5041
Chained volume measure	5711	-879	0	6590

Source: Office for National Statistics – UK National Accounts

Notes

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

The UK trade deficit widened to 3.7% of nominal GDP in Quarter 1 2019, compared with an initial estimate of 3.4%, representing the widest quarterly deficit on record. That said, this is largely a reflection of the sizeable increase of imports of unspecified goods, which includes non-monetary gold (NMG). Figure 8 shows that excluding unspecified goods, the trade deficit was at 1.7% of nominal GDP in Quarter 1 2019. For more information on trade statistics, please see the [UK trade: April 2019](#) release.

Trade in goods export volumes grew by 3.9% in Quarter 1 2019, reflecting increases in machinery and transport equipment and miscellaneous manufactures, while trade in services exports fell by an offsetting 1.3% due to falls in telecommunications, computer and information technology, financial services and insurance. The rise in imports reflects a 14.3% increase in trade in goods imports – which reflects the increase in unspecified goods, chemicals and machinery and transport equipment – alongside a 1.4% increase in trade in services imports.

Figure 8: UK trade deficit widened to 3.7% of nominal GDP in Quarter 1 2019, with a smaller deficit of 1.7% excluding unspecified goods

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 2019

Figure 8: UK trade deficit widened to 3.7% of nominal GDP in Quarter 1 2019, with a smaller deficit of 1.7% excluding unspecified goods

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 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).

6 . Nominal GDP rises by a revised 0.9% in Quarter 1 2019

Nominal gross domestic product (GDP) increased in Quarter 1 (Jan to Mar) 2019, rising by a slightly downwardly revised 0.9% (Figure 9). This follows an increase of 0.7% in the final quarter of 2018.

The revision reflects updated wages and salaries estimates, which have been downwardly revised from 0.8% to 0.1%. This was driven by the receipt of new survey data replacing original forecasts, with end of financial year bonus payments in March 2019 weaker than originally expected, as highlighted in the recent [Labour market overview, UK: June 2019](#). This was partially offset by an upward revision to employers' social contributions, which are now estimated to have increased by 1.7% in the first quarter of the year.

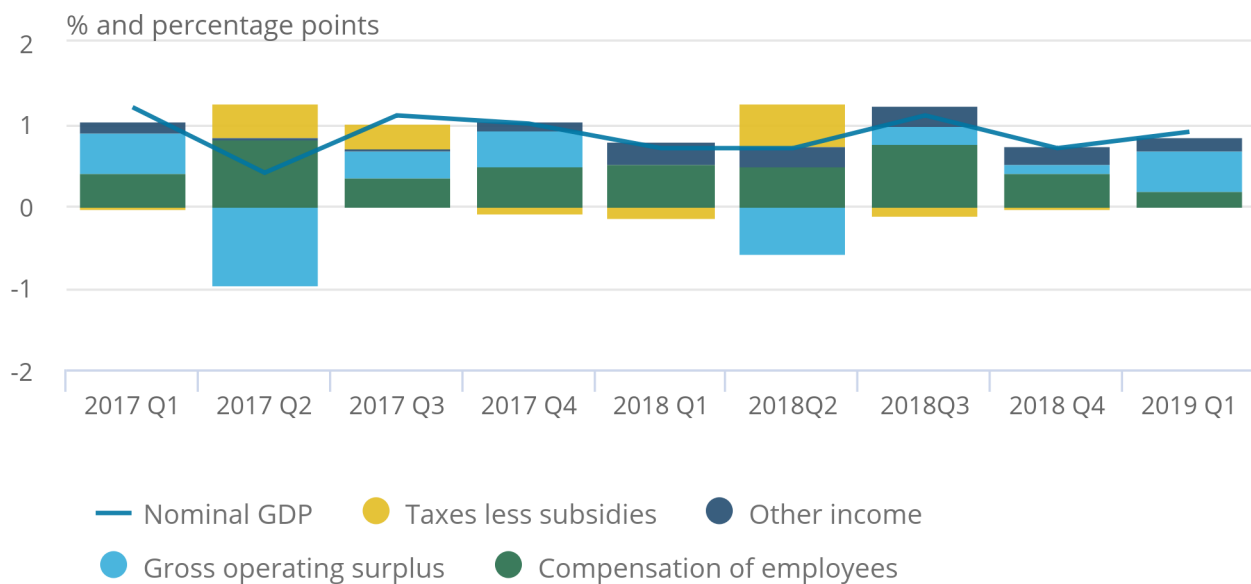
Gross operating surplus has increased by 2.5% – a sharp pickup from the previous quarter – reflecting stronger figures for private non-financial corporations in particular, and due partially to the application of an alignment adjustment (see the [Quality and methodology](#) section for more information). Other income – which includes mixed income and the operating surplus of the non-corporate sector – increased by 1.0%, slowing slightly from the growth rates recorded in 2018.

Figure 9: Nominal GDP rose by a revised 0.9% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 2019

Figure 9: Nominal GDP rose by a revised 0.9% in Quarter 1 2019

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 1 (Jan to Mar) 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 may not sum to total gross domestic product due to rounding and loss of additivity in data prior to open period. The statistical discrepancy is also not displayed.

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) 2017 to Quarter 1 2019

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2017	0.7	0.7	0.6	0.9	1.1	0.6	0.4	1	0.8	0.4
Q2 2017	0.6	0.7	0.6	0.7	0.5	0.4	0.3	1.1	0.5	0.7
Q3 2017	0.7	0.7	0.6	0.6	0.6	0.4	0.5	0.3	0.6	0.7
Q4 2017	0.7	0.7	0.5	0.7	0.5	0.4	0.4	0.4	0.3	0.6
Q1 2018	0.4	0.4	0.4	0.3	0.4	0.2	0.1	0.4	-0.1	0.5
Q2 2018	0.4	0.4	0.7	0.2	0.5	0	0.4	0.6	0.6	1
Q3 2018	0.3	0.1	0.4	0.3	-0.2	-0.1	0.7	0.5	-0.6	0.8
Q4 2018	0.3	0.2	0.4	0.4	0	-0.1	0.2	0.1	0.5	0.5
Q1 2019	0.5	0.4	0.6	0.3	0.4	0.1	0.5	0.1	0.6	0.8

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

Notes

1. Table shows quarter-on-quarter % change. [Back to table](#)
2. Data are chained volume measures and are seasonally adjusted. [Back to table](#)
3. 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](#)

All areas included within our international comparison saw positive growth in Quarter 1 (Jan to Mar) 2019 for the first time since Quarter 4 (Oct to Dec) 2017. Italy's economy strengthened by 0.1% in Quarter 1 2019, recovering from two consecutive quarters of negative growth. The strongest growth seen in the latest quarter was 0.8% in the USA.

European Union (EU28) economies grew by an average of 0.5% in Quarter 1 2019, the strongest growth seen since Quarter 4 2017. This means that average GDP growth between countries in the area has been positive for 24 consecutive quarters.

G7 countries saw an average of 0.6% growth in Quarter 1 2019, following an increase of 0.4% in the previous two quarters. Most G7 countries are above their pre-economic downturn peaks, the exception being Italy where GDP remains 5.2% below the pre-downturn peak (Quarter 1 2008). The USA is showing the biggest recovery over this period, up 20.6% since the downturn. Canada is showing the second-largest recovery, up 19.2% over the period, but has seen growth slow to 0.1% in each of the latest two quarters. UK GDP is now 12.6% above the level recorded in Quarter 1 2008.

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 are 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 28 June 2019 and are consistent with the data in this release.

A number of other economic indicators were published on 28 June 2019. These include:

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

Monthly GDP

On 10 June 2019, estimates of [Monthly GDP](#) were published for April 2019. The [Index of Services](#), [Index of Production](#) and [Construction output in Great Britain](#) publications covering the period up to January 2019 are also available.

9 . Are there any upcoming changes?

Blue Book 2019

Each year we produce an annual update to the UK National Accounts in the Blue Book and Pink Book and the associated releases. As already announced, the Blue Book and Pink Book 2019 consistent datasets will be published on 30 September 2019.

Details have already been provided on the scope in the article [Latest developments and changes to be implemented in Blue Book and Pink Book 2019](#). Indicative impacts on headline gross domestic product (GDP) components for the years 1997 to 2016 were published on 27 June 2019 in the article [Blue Book 2019 indicative impacts on GDP current price and chained volume measure estimates: 1997 to 2016](#).

This year, due to the very demanding set of changes being put through in the annual update, we are exceptionally not going to fully reconcile 2017 annual data, instead producing an indicative balance to allow further time for final quality assurance of the data.

As a consequence, the reference year and last base year for all chained volume measure series will remain as 2016. Further articles are planned ahead of the 30 September 2019 releases as detailed in Table 4.

Table 4: Provisional publication schedule for Blue Book and Pink Book 2019

Content of article	Provisional date of publication
Impact of Blue Book 2019 changes on GDP current price and chained volume measure annual and quarterly estimates: 1997 to 2016 and associated methods articles	August 2019
Detailed assessment of changes to Sector and Financial Accounts, 1997 to 2016	August 2019
Detailed assessment of changes to Balance of Payments annual estimates, 1997 to 2016	August 2019
Publication of Blue Book and Pink Book 2019 consistent Quarterly National Accounts, Quarterly Sector Accounts and Balance of Payments	30 September 2019
Alignment between public sector finances and national accounts article	September 2019
Publication of Blue Book 2019 and Pink Book 2019	31 October 2019

Source: Office for National Statistics

Gross value added at factor cost

Within the UK Economic Accounts (UKEA) we publish four series presenting gross value added (GVA) at factor cost (identifiers KGN7, KGN6, KGN5 and YBHH).

In the March 2019 quarterly national accounts release we announced that we are considering withdrawing these series from publication. This is because GVA at factor cost is not recognised with the UN System of National Accounts 2008: SNA 2008 framework, therefore, we have concerns over the methodology used to calculate these estimates.

We have received a small amount of user feedback and we welcome further user feedback around our proposal to remove these series from the UKEA publication from September 2019.

Regional gross domestic product

On 18 June 2019, we [announced our plans to publish quarterly estimates of GDP](#) for each of the regions of England and for Wales.

10 . Quality and methodology

The [Gross domestic product \(GDP\) Quality and Methodology Information report](#) contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

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 issues

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 due to 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 not been the case in Quarter 1 (Jan to Mar) 2019.

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 due to a higher level of forecast content. The balancing adjustments applied in this quarter are shown in Table 5, the resulting series should be considered accordingly.

Table 5: Balancing adjustments applied to the GDP quarterly national accounts dataset for Quarter 1 (Jan to Mar) 2019

UK, Quarter 1 (Jan to Mar) 2019

GDP measurement approach and component adjustment applied to	Q1 2019
Expenditure	Current prices -500
Change in inventories	Current prices -1000
Trade in Services	
Income	Current prices 250
Private non-financial corporations GOS	

Source: Office for National Statistics – UK National Accounts

Notes

1. Adjustments are in £ million. [Back to table](#)
2. Q1 refers to Quarter 1 (Jan to Mar). [Back to table](#)

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
	YBEU	YBEX	YBEZ	CGCE	YBFP	L48H	YBFV	YBGB	CGBV
2015	96.3	96.4	98.2	98.1	97.9	97.6	98.4	98.0	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	104.1	104.0	101.8	102.1	103.3	103.4	102.4	102.2	101.9
2018	107.5	107.5	103.2	103.5	104.3	105.1	104.5	104.1	103.9
Seasonally adjusted									
2015 Q4	97.0	97.1	99.1	98.8	96.2	98.3	98.1	97.9	98.2
2016 Q1	98.6	98.6	99.5	99.1	98.8	98.8	99.3	99.1	99.4
Q2	99.4	99.4	99.6	99.6	98.9	99.5	100.0	99.8	99.9
Q3	100.3	100.4	100.1	100.2	100.3	100.3	100.1	100.2	100.2
Q4	101.7	101.7	100.8	101.1	102.1	101.5	100.6	100.9	100.5
2017 Q1	103.0	102.9	101.3	101.5	103.3	102.7	101.7	101.7	101.4
Q2	103.3	103.3	101.5	101.8	102.4	103.0	101.9	101.8	101.5
Q3	104.4	104.2	102.0	102.3	103.5	103.7	102.5	102.3	101.9
Q4	105.5	105.4	102.5	102.7	103.8	104.2	103.3	103.0	102.7
2018 Q1	106.2	106.3	102.5	102.8	103.7	104.3	103.7	103.6	103.4
Q2	106.9	106.6	102.9	103.2	104.7	104.8	104.0	103.9	103.3
Q3	108.1	108.1	103.6	103.9	104.3	105.7	104.8	104.3	104.0
Q4	108.9	108.9	103.9	104.1	104.6	105.9	105.2	104.8	104.6
2019 Q1	109.9	109.9	104.4	104.6	106.9	106.5	104.8	105.3	105.0
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2015	2.8	2.8	2.3	2.5	2.6	2.8	-0.1	0.4	0.2
2016	3.9	3.8	1.8	1.9	2.1	2.4	1.6	2.1	1.9
2017	4.1	4.0	1.8	2.1	3.3	3.4	2.4	2.2	1.9
2018	3.3	3.4	1.4	1.4	1.0	1.7	2.0	1.9	1.9
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2015 Q4	0.5	0.5	0.7	0.5	-2.4	0.5	-0.5	-0.3	-
2016 Q1	1.6	1.5	0.3	0.3	2.7	0.4	1.2	1.3	1.2
Q2	0.9	0.9	0.2	0.4	0.1	0.7	0.7	0.7	0.4
Q3	0.9	0.9	0.5	0.6	1.4	0.8	0.2	0.4	0.3
Q4	1.5	1.3	0.7	0.9	1.8	1.2	0.5	0.7	0.4
2017 Q1	1.2	1.3	0.4	0.4	1.2	1.2	1.1	0.8	0.9
Q2	0.4	0.4	0.3	0.3	-0.9	0.3	0.2	0.1	0.1
Q3	1.1	0.9	0.5	0.5	1.1	0.6	0.6	0.5	0.3
Q4	1.0	1.2	0.4	0.4	0.3	0.5	0.7	0.6	0.8
2018 Q1	0.7	0.8	0.1	-	-0.1	0.1	0.4	0.6	0.8
Q2	0.7	0.3	0.4	0.4	0.9	0.5	0.3	0.3	-0.1
Q3	1.1	1.4	0.7	0.7	-0.4	0.8	0.7	0.5	0.7
Q4	0.7	0.8	0.2	0.2	0.3	0.2	0.4	0.4	0.6
2019 Q1	0.9	0.9	0.5	0.5	2.2	0.6	-0.4	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2015 Q4	2.8	2.8	2.2	1.8	0.4	2.0	-0.1	0.5	0.9
2016 Q1	3.9	3.6	2.1	1.8	0.9	1.9	1.3	1.7	1.8
Q2	3.0	2.8	1.7	1.6	-	2.0	0.9	1.3	1.3
Q3	3.8	3.9	1.7	1.9	1.7	2.5	1.5	2.1	2.0
Q4	4.9	4.7	1.7	2.3	6.1	3.2	2.5	3.1	2.4
2017 Q1	4.5	4.5	1.8	2.4	4.6	4.0	2.4	2.6	2.0
Q2	4.0	3.9	1.9	2.2	3.5	3.6	2.0	2.0	1.7
Q3	4.2	3.8	2.0	2.1	3.3	3.4	2.4	2.2	1.7
Q4	3.7	3.7	1.6	1.6	1.7	2.7	2.7	2.0	2.1
2018 Q1	3.1	3.2	1.2	1.2	0.4	1.5	2.0	1.9	2.0
Q2	3.4	3.2	1.4	1.4	2.3	1.7	2.1	2.0	1.8
Q3	3.5	3.7	1.6	1.6	0.8	1.9	2.2	1.9	2.1
Q4	3.2	3.3	1.4	1.4	0.7	1.6	1.9	1.8	1.9
2019 Q1	3.5	3.4	1.8	1.8	3.1	2.2	1.0	1.6	1.5

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

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

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

A2 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	
2015	1 852 845	-42 994	1 895 839	203 800	1 692 039	1 934 903	211 411	1 723 523	1 711 310	
2016	1 920 116	-49 408	1 969 524	213 479	1 756 045	1 969 524	213 479	1 756 045	1 743 298	
2017	2 026 058	-23 571	2 049 629	223 756	1 825 873	2 005 427	213 165	1 792 262	1 779 831	
2018	2 091 074	-26 650	2 117 724	230 599	1 887 125	2 033 455	216 350	1 817 105	1 803 884	
Seasonally adjusted										
2015 Q4	459 605	-18 169	477 774	51 676	426 098	488 153	54 358	433 845	430 760	
2016 Q1	470 818	-14 512	485 326	52 667	432 659	489 736	54 606	435 169	432 081	
Q2	475 548	-13 944	489 494	52 981	436 513	490 502	53 391	437 116	433 934	
Q3	482 658	-11 072	493 730	53 153	440 577	492 816	52 908	439 892	436 496	
Q4	491 092	-9 880	500 974	54 678	446 296	496 470	52 574	443 868	440 787	
2017 Q1	502 823	-4 206	507 028	55 076	451 952	498 582	52 979	445 603	442 478	
Q2	501 504	-7 364	508 869	55 297	453 572	499 885	53 144	446 741	443 583	
Q3	508 916	-5 342	514 258	56 810	457 448	502 473	53 425	449 048	445 876	
Q4	512 815	-6 659	519 474	56 573	462 901	504 487	53 617	450 870	447 894	
2018 Q1	516 217	-6 675	522 891	56 262	466 629	504 785	53 697	451 088	447 868	
Q2	522 181	-4 212	526 394	58 439	467 955	506 842	53 924	452 918	449 619	
Q3	525 092	-7 352	532 444	58 049	474 395	510 346	54 296	456 050	452 682	
Q4	527 584	-8 411	535 995	57 849	478 146	511 482	54 433	457 049	453 715	
2019 Q1	537 794	-3 227	541 021	58 641	482 380	514 019	54 705	459 314	455 985	
Percentage change, latest year on previous year										
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8	
2015	2.6		2.8		2.8	2.3		2.5	2.5	
2016	3.6		3.9		3.8	1.8		1.9	1.9	
2017	5.5		4.1		4.0	1.8		2.1	2.1	
2018	3.2		3.3		3.4	1.4		1.4	1.4	
Percentage change, latest quarter on previous quarter										
	KH75		IHYN		KGL8	IHYQ		KGM9		
2015 Q4	-1.5		0.5		0.5	0.7		0.5	0.5	
2016 Q1	2.4		1.6		1.5	0.3		0.3	0.3	
Q2	1.0		0.9		0.9	0.2		0.4	0.4	
Q3	1.5		0.9		0.9	0.5		0.6	0.6	
Q4	1.7		1.5		1.3	0.7		0.9	1.0	
2017 Q1	2.4		1.2		1.3	0.4		0.4	0.4	
Q2	-0.3		0.4		0.4	0.3		0.3	0.2	
Q3	1.5		1.1		0.9	0.5		0.5	0.5	
Q4	0.8		1.0		1.2	0.4		0.4	0.5	
2018 Q1	0.7		0.7		0.8	0.1		-	-	
Q2	1.2		0.7		0.3	0.4		0.4	0.4	
Q3	0.6		1.1		1.4	0.7		0.7	0.7	
Q4	0.5		0.7		0.8	0.2		0.2	0.2	
2019 Q1	1.9		0.9		0.9	0.5		0.5	0.5	
Percentage change, latest quarter on corresponding quarter of previous year										
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9	
2015 Q4	1.4		2.8		2.8	2.2		1.8	1.7	
2016 Q1	3.0		3.9		3.6	2.1		1.8	1.7	
Q2	1.3		3.0		2.8	1.7		1.6	1.6	
Q3	3.4		3.8		3.9	1.7		1.9	1.9	
Q4	6.9		4.9		4.7	1.7		2.3	2.3	
2017 Q1	6.8		4.5		4.5	1.8		2.4	2.4	
Q2	5.5		4.0		3.9	1.9		2.2	2.2	
Q3	5.4		4.2		3.8	2.0		2.1	2.1	
Q4	4.4		3.7		3.7	1.6		1.6	1.6	
2018 Q1	2.7		3.1		3.2	1.2		1.2	1.2	
Q2	4.1		3.4		3.2	1.4		1.4	1.4	
Q3	3.2		3.5		3.7	1.6		1.6	1.5	
Q4	2.9		3.2		3.3	1.4		1.4	1.3	
2019 Q1	4.2		3.5		3.4	1.8		1.8	1.8	

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

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

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

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

2016 = 100

	Production						Service industries						Gross value added ⁴	Gross value added excluding oil & gas
	Agri-culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu-facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constru-ction	Distri-bution, hotels & restaura-nts	Transport storage and commu-nications	Business services and finance	Govern-ment and other services	Total		
2016 Weights³	7	10	100	17	10	138	60	134	106	335	221	796	1000	993
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2015	106.0	99.7	99.6	97.9	94.7	99.0	96.1	96.3	96.7	98.0	100.0	98.1	98.1	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.0	99.4	102.5	98.4	103.4	101.8	107.1	102.2	104.9	102.2	100.6	102.1	102.1	102.1
2018	100.6	103.7	103.4	97.9	101.9	102.6	107.4	105.1	108.9	103.8	100.9	103.9	103.5	103.5
Seasonally adjusted														
2015 Q4	104.6	99.7	99.2	96.1	96.0	98.6	97.2	97.6	97.7	98.9	100.5	98.9	98.8	98.8
2016 Q1	100.7	97.9	99.0	98.1	97.8	98.7	97.5	98.7	98.0	99.3	100.3	99.3	99.1	99.1
Q2	99.7	100.1	100.2	102.5	100.5	100.5	99.2	99.2	98.2	99.6	99.9	99.4	99.6	99.6
Q3	99.5	105.1	99.7	98.5	100.6	100.1	100.2	100.1	101.0	100.3	99.8	100.2	100.2	100.2
Q4	100.1	97.0	101.0	100.9	101.2	100.7	103.1	101.9	102.8	100.8	100.0	101.0	101.1	101.1
2017 Q1	102.2	99.4	101.5	96.9	104.3	101.0	106.5	101.7	103.3	101.6	100.5	101.5	101.5	101.5
Q2	102.8	100.9	101.6	97.8	103.4	101.2	106.7	102.0	104.5	101.8	100.7	101.9	101.8	101.8
Q3	103.5	101.0	102.7	99.9	102.9	102.2	107.4	102.5	105.2	102.4	100.7	102.3	102.3	102.3
Q4	103.3	96.4	104.2	99.2	102.9	102.9	107.7	102.7	106.6	102.8	100.4	102.6	102.7	102.8
2018 Q1	101.1	100.8	103.9	100.3	100.9	103.0	106.1	103.1	106.8	103.3	100.5	103.0	102.8	102.8
Q2	100.2	103.4	103.4	96.5	101.5	102.4	106.7	104.9	108.1	103.6	100.6	103.6	103.2	103.2
Q3	100.1	105.7	103.6	98.1	103.1	103.0	108.6	106.0	110.0	103.9	100.9	104.2	103.9	103.9
Q4	100.8	104.8	102.8	96.6	102.2	102.2	108.0	106.3	110.8	104.3	101.5	104.7	104.1	104.1
2019 Q1	99.3	105.8	104.8	93.9	101.4	103.3	109.6	107.6	111.9	104.2	101.7	105.1	104.6	104.6
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2015	1.1	8.0	-	1.0	3.4	1.2	4.4	4.5	4.1	2.6	0.9	2.7	2.5	2.5
2016	-5.6	0.3	0.4	2.1	5.6	1.0	4.1	3.8	3.4	2.1	-	1.9	1.9	1.9
2017	3.0	-0.6	2.5	-1.6	3.4	1.8	7.1	2.2	4.9	2.2	0.6	2.1	2.1	2.1
2018	-2.3	4.3	0.9	-0.6	-1.4	0.8	0.3	2.8	3.8	1.6	0.3	1.7	1.4	1.4
Percentage change, latest quarter on previous quarter														
													KGM9	
2015 Q4	-1.7	-2.0	-0.2	-2.4	0.3	-0.6	1.5	1.0	0.6	0.7	0.3	0.6	0.5	0.5
2016 Q1	-3.7	-1.9	-0.1	2.1	1.8	0.1	0.3	1.1	0.4	0.5	-0.2	0.4	0.3	0.3
Q2	-1.1	2.2	1.2	4.6	2.8	1.8	1.7	0.5	0.2	0.3	-0.4	0.1	0.4	0.4
Q3	-0.2	5.1	-0.5	-3.9	0.1	-0.4	1.1	0.9	2.9	0.7	-0.1	0.8	0.6	0.6
Q4	0.6	-7.8	1.3	2.4	0.6	0.6	2.9	1.7	1.8	0.5	0.1	0.8	0.9	1.0
2017 Q1	2.1	2.6	0.5	-3.9	3.1	0.3	3.2	-0.2	0.4	0.8	0.5	0.5	0.4	0.4
Q2	0.6	1.5	0.1	0.9	-0.8	0.3	0.2	0.3	1.2	0.2	0.3	0.4	0.3	0.2
Q3	0.6	0.1	1.1	2.2	-0.5	1.0	0.7	0.5	0.7	0.6	-0.1	0.4	0.5	0.5
Q4	-0.1	-4.5	1.5	-0.8	-	0.6	0.3	0.2	1.3	0.4	-0.3	0.3	0.4	0.5
2018 Q1	-2.1	4.6	-0.3	1.1	-1.9	0.1	-1.5	0.3	0.2	0.5	0.1	0.3	-	-
Q2	-0.9	2.5	-0.5	-3.7	0.6	-0.6	0.5	1.7	1.2	0.2	0.1	0.6	0.4	0.4
Q3	-0.1	2.2	0.2	1.6	1.6	0.6	1.8	1.0	1.8	0.3	0.3	0.6	0.7	0.7
Q4	0.6	-0.8	-0.7	-1.5	-0.9	-0.8	-0.5	0.3	0.8	0.4	0.6	0.5	0.2	0.2
2019 Q1	-1.4	0.9	1.9	-2.8	-0.8	1.1	1.4	1.2	1.0	-0.1	0.2	0.4	0.5	0.5
Percentage change, latest quarter on corresponding quarter of previous year														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KIi2	KIH9	KIH8	L44Q	KGN3	KLH9
2015 Q4	-2.6	7.6	-1.1	-1.0	5.1	0.3	3.3	3.9	2.8	2.0	0.5	2.0	1.8	1.7
2016 Q1	-5.0	3.3	-1.1	-1.4	6.8	-0.1	2.5	3.9	2.6	2.1	0.8	2.1	1.8	1.7
Q2	-6.8	-2.5	0.5	5.0	5.4	1.0	3.0	3.2	1.8	2.0	-0.1	1.6	1.6	1.6
Q3	-6.5	3.3	0.4	0.1	5.1	0.9	4.7	3.7	4.0	2.1	-0.3	1.9	1.9	1.9
Q4	-4.3	-2.8	1.9	5.0	5.3	2.1	6.1	4.4	5.3	1.9	-0.5	2.1	2.3	2.3
2017 Q1	1.5	1.6	2.5	-1.2	6.7	2.3	9.2	3.0	5.4	2.3	0.2	2.2	2.4	2.4
Q2	3.2	0.9	1.4	-4.6	2.9	0.7	7.6	2.7	6.4	2.2	0.8	2.5	2.2	2.2
Q3	4.0	-4.0	3.0	1.4	2.3	2.2	7.1	2.4	4.2	2.1	0.8	2.1	2.1	2.1
Q4	3.2	-0.5	3.2	-1.7	1.7	2.2	4.5	0.8	3.7	2.0	0.4	1.6	1.6	1.6
2018 Q1	-1.0	1.4	2.3	3.5	-3.2	2.0	-0.3	1.4	3.4	1.7	-	1.4	1.2	1.2
Q2	-2.5	2.5	1.7	-1.3	-1.8	1.1	-	2.9	3.4	1.7	-0.1	1.6	1.4	1.4
Q3	-3.2	4.6	0.9	-1.9	0.2	0.8	1.2	3.4	4.5	1.4	0.3	1.9	1.6	1.5
Q4	-2.5	8.7	-1.3	-2.5	-0.7	-0.7	0.3	3.5	3.9	1.4	1.1	2.0	1.4	1.3
2019 Q1	-1.8	4.9	0.9	-6.3	0.5	0.3	3.2	4.4	4.8	0.8	1.2	2.1	1.8	1.8

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

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

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

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

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

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	104	106	30	73	138	123	47	59	75	40	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2015	95.8	96.7	98.5	96.6	99.4	97.2	101.8	100.6	98.4	100.2	98.1
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.1	104.9	102.8	100.2	101.0	104.6	100.2	100.6	99.7	102.6	102.1
2018	105.0	108.9	105.4	98.5	102.0	108.8	101.2	100.9	100.2	101.6	103.9
Seasonally adjusted											
2015 Q4	96.9	97.7	100.4	97.1	100.3	98.3	101.1	101.0	99.4	101.2	98.9
2016 Q1	98.6	98.0	99.2	98.7	100.5	98.4	100.5	100.5	100.1	99.9	99.3
Q2	99.2	98.2	99.3	99.4	99.9	99.4	99.8	99.8	100.1	99.7	99.4
Q3	100.2	101.0	100.1	101.2	99.7	100.4	99.8	99.7	100.0	99.7	100.2
Q4	102.0	102.8	101.5	100.7	99.9	101.8	99.8	100.0	99.7	100.6	101.0
2017 Q1	101.4	103.3	102.7	101.2	100.5	103.1	99.8	100.9	99.7	102.0	101.5
Q2	101.8	104.5	102.6	100.5	101.0	103.4	100.3	100.5	100.0	103.1	101.9
Q3	102.4	105.2	102.9	99.9	101.3	105.1	100.1	100.5	99.7	103.4	102.3
Q4	102.7	106.6	102.8	99.3	101.3	106.6	100.5	100.4	99.6	101.8	102.6
2018 Q1	102.9	106.8	103.5	99.2	101.7	107.6	100.6	100.4	99.9	101.6	103.0
Q2	104.7	108.1	105.4	98.8	101.8	108.3	101.1	101.0	99.6	101.5	103.6
Q3	105.9	110.0	106.1	98.4	102.0	109.2	101.6	100.9	100.1	101.7	104.2
Q4	106.3	110.8	106.5	97.4	102.7	110.1	101.6	101.5	101.3	101.7	104.7
2019 Q1	107.6	111.9	107.6	96.5	103.1	110.0	101.2	101.8	101.7	102.3	105.1
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2015	4.5	4.1	4.8	-2.9	3.5	5.1	-1.9	1.7	1.5	2.0	2.7
2016	4.4	3.4	1.5	3.5	0.6	2.9	-1.8	-0.6	1.6	-0.2	1.9
2017	2.1	4.9	2.8	0.2	1.0	4.6	0.2	0.6	-0.3	2.6	2.1
2018	2.8	3.8	2.5	-1.8	1.0	4.1	1.0	0.4	0.5	-0.9	1.7
Percentage change, latest quarter on previous quarter											
2015 Q4	0.8	0.6	2.0	2.0	0.2	0.4	-0.2	0.2	0.4	0.9	0.6
2016 Q1	1.8	0.4	-1.2	1.7	0.1	0.1	-0.6	-0.5	0.8	-1.2	0.4
Q2	0.6	0.2	0.1	0.8	-0.5	0.9	-0.6	-0.7	-	-0.2	0.1
Q3	0.9	2.9	0.8	1.8	-0.2	1.0	-	-0.1	-0.1	-	0.8
Q4	1.8	1.8	1.4	-0.4	0.1	1.5	-	0.3	-0.3	0.9	0.8
2017 Q1	-0.6	0.4	1.2	0.5	0.6	1.3	-	0.9	-	1.4	0.5
Q2	0.4	1.2	-0.1	-0.7	0.6	0.3	0.4	-0.4	0.2	1.1	0.4
Q3	0.6	0.7	0.2	-0.6	0.3	1.6	-0.2	-	-0.3	0.3	0.4
Q4	0.3	1.3	-	-0.6	0.1	1.4	0.4	-0.1	-0.1	-1.5	0.3
2018 Q1	0.2	0.2	0.7	-	0.3	0.9	0.1	-	0.3	-0.2	0.3
Q2	1.7	1.2	1.8	-0.5	0.1	0.7	0.5	0.5	-0.3	-0.1	0.6
Q3	1.2	1.8	0.6	-0.4	0.2	0.8	0.6	-0.1	0.5	0.2	0.6
Q4	0.3	0.8	0.4	-1.0	0.7	0.8	-	0.6	1.3	-	0.5
2019 Q1	1.2	1.0	1.1	-1.0	0.4	-0.1	-0.4	0.3	0.3	0.6	0.4
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2015 Q4	3.7	2.8	4.8	-2.6	3.4	3.2	-2.6	1.3	1.0	1.9	2.0
2016 Q1	4.5	2.6	1.9	0.2	2.5	3.0	-2.2	0.3	3.2	0.5	2.1
Q2	3.7	1.8	1.5	3.8	0.8	2.5	-2.3	-0.4	1.7	-0.1	1.6
Q3	4.2	4.0	1.7	6.3	-0.4	2.5	-1.4	-1.1	1.1	-0.6	1.9
Q4	5.3	5.3	1.1	3.8	-0.5	3.6	-1.2	-1.1	0.4	-0.6	2.1
2017 Q1	2.8	5.4	3.6	2.6	-	4.7	-0.6	0.4	-0.4	2.0	2.2
Q2	2.6	6.4	3.4	1.1	1.1	4.1	0.5	0.7	-0.1	3.4	2.5
Q3	2.3	4.2	2.8	-1.3	1.6	4.7	0.3	0.8	-0.4	3.7	2.1
Q4	0.7	3.7	1.4	-1.5	1.5	4.7	0.7	0.5	-0.2	1.2	1.6
2018 Q1	1.5	3.4	0.8	-1.9	1.2	4.4	0.8	-0.5	0.2	-0.4	1.4
Q2	2.9	3.4	2.7	-1.8	0.8	4.8	0.8	0.5	-0.4	-1.6	1.6
Q3	3.4	4.5	3.1	-1.5	0.7	3.9	1.5	0.4	0.4	-1.7	1.9
Q4	3.5	3.9	3.5	-1.8	1.3	3.2	1.1	1.0	1.8	-0.1	2.0
2019 Q1	4.5	4.8	3.9	-2.8	1.3	2.3	0.6	1.4	1.8	0.7	2.1

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

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

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

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

C1 Gross domestic product: expenditure at current market prices¹

£ million

National expenditure on goods and services at market prices																
Final consumption expenditure					Gross capital formation											
	Non-profit		General government	Gross fixed capital formation	Of which business investment ³	Of which changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Exports	Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	Households	institutions ²														Total
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2015	1 178 915	56 566	361 028	319 432	184 620	7 046	–	–164 192	2 823 519	610 244	433 546	594 –26 984	–	–	1 895 839	
2016	1 235 247	57 343	367 974	331 442	187 032	8 556	–	–151 200	411 556	961 255	372 587	848 –30 887	–	–	1 969 524	
2017	1 288 984	57 986	375 219	351 293	194 886	1 604	–	359 207	545 617	539 269	984 641	472 –23 933	–1 883	–	2 049 629	
2018	1 341 849	58 234	386 091	359 272	197 237	4 790	–	1 202 215	438 634	062 278	500 665	031 –30 969	–2 745	–	2 117 724	
Seasonally adjusted																
2015 Q4	299 266	14 166	90 443	80 509	46 409	1 359	–334	–1 676	484 067	130 438	614 505	136 731	–6 293	–	477 774	
2016 Q1	303 176	14 217	91 626	80 667	45 850	2 046	–84	295	492 027	131 401	623 428	138 102	–6 701	–	485 326	
Q2	306 925	14 287	91 550	82 434	46 690	1 712	–900	–1 196	495 712	136 044	631 756	142 262	–6 218	–	489 494	
Q3	310 953	14 371	92 032	83 994	47 583	3 500	1 981	2 620	507 470	138 462	645 932	152 202	–13 740	–	493 730	
Q4	314 193	14 468	92 766	84 347	46 909	1 298	–997	–1 870	505 202	151 054	656 256	155 282	–4 228	–	500 974	
2017 Q1	318 968	14 476	93 048	85 579	47 313	2 217	1 089	–588	513 700	151 463	665 163	158 146	–6 683	11	507 028	
Q2	320 806	14 510	93 403	87 658	48 614	–550	–1 609	210	516 037	153 044	669 081	160 009	–6 965	–203	508 869	
Q3	322 838	14 495	93 895	88 394	49 174	563	639	97	520 282	156 229	676 511	161 594	–5 365	–659	514 258	
Q4	326 372	14 505	94 873	89 662	49 785	–626	–119	640	525 426	156 803	682 229	161 723	–4 920	–1 032	519 474	
2018 Q1	330 889	14 545	95 596	89 481	49 497	–1 949	–1 622	319	528 881	155 345	684 226	160 568	–5 223	–767	522 891	
Q2	333 979	14 555	95 981	89 306	49 592	–381	–348	1 178	534 618	156 632	691 250	164 080	–7 448	–776	526 394	
Q3	336 985	14 552	96 736	90 295	49 147	2 672	–570	758	541 998	159 541	701 539	168 401	–8 860	–694	532 444	
Q4	339 996	14 582	97 778	90 190	49 001	4 448	2 540	–1 053	545 941	162 544	708 485	171 982	–9 438	–508	535 995	
2019 Q1	342 313	14 594	99 761	91 765	49 289	3 612	–929	9 697	561 742	164 171	725 913	184 438	–20 267	–454	541 021	
Percentage change, latest year on previous year																
	KG Y7	KG Z8	KH 2C	KG 6O	KG 6N			KG X3	KH 2O	KG V7	KH 3H			IHY M		
2015	3.2	0.5	1.1	4.5	5.1			2.6	–0.1	2.0	–0.6			2.8		
2016	4.8	1.4	1.9	3.8	1.3			4.0	7.2	4.7	7.5			3.9		
2017	4.4	1.1	2.0	6.0	4.2			3.8	10.9	5.3	9.1			4.1		
2018	4.1	0.4	2.9	2.3	1.2			3.7	2.7	3.4	3.7			3.3		
Percentage change, latest quarter on previous quarter																
	KG Y8	KG Z9	KH 2D	KG 6W	KG 6V			KG X4	KH 2P	KG V8	KH 3I			IHY N		
2015 Q4	1.1	0.2	–0.7	1.9	2.1			0.5	2.0	0.8	1.9			0.5		
2016 Q1	1.3	0.4	1.3	0.2	–1.2			1.6	0.7	1.5	1.0			1.6		
Q2	1.2	0.5	–0.1	2.2	1.8			0.7	3.5	1.3	3.0			0.9		
Q3	1.3	0.6	0.5	1.9	1.9			2.4	1.8	2.2	7.0			0.9		
Q4	1.0	0.7	0.8	0.4	–1.4			–0.4	9.1	1.6	2.0			1.5		
2017 Q1	1.5	0.1	0.3	1.5	0.9			1.7	0.3	1.4	1.8			1.2		
Q2	0.6	0.2	0.4	2.4	2.7			0.5	1.0	0.6	1.2			0.4		
Q3	0.6	–0.1	0.5	0.8	1.2			0.8	2.1	1.1	1.0			1.1		
Q4	1.1	0.1	1.0	1.4	1.2			1.0	0.4	0.8	0.1			1.0		
2018 Q1	1.4	0.3	0.8	–0.2	–0.6			0.7	–0.9	0.3	–0.7			0.7		
Q2	0.9	0.1	0.4	–0.2	0.2			1.1	0.8	1.0	2.2			0.7		
Q3	0.9	–	0.8	1.1	–0.9			1.4	1.9	1.5	2.6			1.1		
Q4	0.9	0.2	1.1	–0.1	–0.3			0.7	1.9	1.0	2.1			0.7		
2019 Q1	0.7	0.1	2.0	1.7	0.6			2.9	1.0	2.5	7.2			0.9		
Percentage change, latest quarter on corresponding quarter of previous year																
	KG Y9	KH 22	KH 2E	KG 76	KG 75			KG X5	KH 2Q	KG V9	KH 3J			IHY O		
2015 Q4	3.6	0.2	0.7	3.4	4.0			2.1	–1.0	1.4	–3.0			2.8		
2016 Q1	4.5	0.6	1.7	1.3	–1.2			3.2	0.9	2.7	–1.1			3.9		
Q2	4.6	1.1	2.4	2.7	0.8			3.2	3.8	3.4	4.6			3.0		
Q3	5.0	1.7	1.0	6.3	4.7			5.3	8.3	5.9	13.4			3.8		
Q4	5.0	2.1	2.6	4.8	1.1			4.4	15.8	6.8	13.6			4.9		
2017 Q1	5.2	1.8	1.6	6.1	3.2			4.4	15.3	6.7	14.5			4.5		
Q2	4.5	1.6	2.0	6.3	4.1			4.1	12.5	5.9	12.5			4.0		
Q3	3.8	0.9	2.0	5.2	3.3			2.5	12.8	4.7	6.2			4.2		
Q4	3.9	0.3	2.3	6.3	6.1			4.0	3.8	4.0	4.1			3.7		
2018 Q1	3.7	0.5	2.7	4.6	4.6			3.0	2.6	2.9	1.5			3.1		
Q2	4.1	0.3	2.8	1.9	2.0			3.6	2.3	3.3	2.5			3.4		
Q3	4.4	0.4	3.0	2.2	–0.1			4.2	2.1	3.7	4.2			3.5		
Q4	4.2	0.5	3.1	0.6	–1.6			3.9	3.7	3.8	6.3			3.2		
2019 Q1	3.5	0.3	4.4	2.6	–0.4			6.2	5.7	6.1	14.9			3.5		

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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											
	Non-profit		General government ⁷	Gross fixed capital formation	Of which business investment ³	Of which in inventories ⁴	Of which alignment adjustment ⁵	Acquisitions less disposals of valuables ⁵	Total		Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	Households	institutions ²							Total exports	Total						
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2015	1 196 525	56 874	365 223	324 016	187 355	11 146	-1	-360 195	172 551	228 250	151 569	120	-17 892	-	1 934 903	
2016	1 235 247	57 343	367 974	331 442	187 031	8 556	-	-151 200	411 556	961 255	372 587	848	-30 887	-	1 969 524	
2017	1 262 271	57 162	367 267	342 917	189 877	-2 377	-	291 202	531 588	217 261	748 608	487	-20 270	-1 834	2 005 427	
2018	1 284 838	56 392	368 587	343 498	189 047	5 353	-	1 025 205	693 588	900 264	593 612	501	-23 601	-2 637	2 033 455	
Seasonally adjusted																
2015 Q4	301 804	14 195	91 665	81 427	47 023	2 782	-345	-1 803	493 287	139 491	632 757	144 591	-5 100	-	488 153	
2016 Q1	305 101	14 251	92 044	81 415	46 221	1 881	-86	284	495 416	138 252	633 733	143 976	-5 724	-	489 736	
Q2	307 595	14 345	91 959	82 695	46 622	347	-903	-1 264	495 847	139 554	635 416	144 900	-5 346	-	490 502	
Q3	311 268	14 338	91 968	83 909	47 330	1 173	1 977	2 626	506 847	135 108	642 147	149 366	-14 256	-	492 816	
Q4	311 283	14 409	92 003	83 423	46 858	5 155	-988	-1 797	502 301	144 047	646 076	149 608	-5 561	-	496 470	
2017 Q1	313 584	14 351	91 427	84 265	46 762	2 121	1 070	-561	505 187	144 273	649 460	150 889	-6 616	11	498 582	
Q2	314 804	14 334	91 876	85 868	47 365	-784	-1 580	175	506 273	146 067	652 340	152 256	-6 189	-199	499 885	
Q3	316 397	14 248	91 969	86 111	47 779	-1 464	625	96	507 357	148 859	656 216	153 099	-4 240	-644	502 473	
Q4	317 486	14 229	91 995	86 673	47 971	-2 250	-115	581	508 714	149 018	657 732	152 243	-3 225	-1 002	504 487	
2018 Q1	319 051	14 203	92 152	85 998	47 668	-1 878	-1 561	267	509 793	147 073	656 866	151 341	-4 268	-740	504 785	
Q2	320 805	14 121	91 790	85 521	47 459	580	-329	1 058	513 875	145 654	659 529	151 940	-6 286	-747	506 842	
Q3	322 015	14 045	91 726	86 267	47 171	2 410	-540	663	517 126	146 903	664 029	153 018	-6 115	-665	510 346	
Q4	322 967	14 023	92 919	85 712	46 749	4 241	2 430	-963	518 899	149 270	668 169	156 202	-6 932	-485	511 482	
2019 Q1	324 975	13 926	93 644	86 756	46 932	5 711	-879	11 020	536 032	151 457	687 489	173 039	-21 582	-431	514 019	
Percentage change, latest year on previous year																
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHP	
2015	2.7	-0.3	1.4	3.4	3.7			2.7	4.4	3.1	5.5				2.3	
2016	3.2	0.8	0.8	2.3	-0.2			2.4	1.0	2.1	3.3				1.8	
2017	2.2	-0.3	-0.2	3.5	1.5			1.4	5.6	2.3	3.5				1.8	
2018	1.8	-1.3	0.4	0.2	-0.4			1.6	0.1	1.3	0.7				1.4	
Percentage change, latest quarter on previous quarter																
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHYQ	
2015 Q4	0.1	0.2	-0.2	1.8	2.3			1.0	2.0	1.2	2.7				0.7	
2016 Q1	1.1	0.4	0.4	-	-1.7			0.4	-0.9	0.2	-0.4				0.3	
Q2	0.8	0.7	-0.1	1.6	0.9			0.1	0.9	0.3	0.6				0.2	
Q3	1.2	-	-	1.5	1.5			2.2	-3.2	1.1	3.1				0.5	
Q4	-	0.5	-	-0.6	-1.0			-0.9	6.6	0.6	0.2				0.7	
2017 Q1	0.7	-0.4	-0.6	1.0	-0.2			0.6	0.2	0.5	0.9				0.4	
Q2	0.4	-0.1	0.5	1.9	1.3			0.2	1.2	0.4	0.9				0.3	
Q3	0.5	-0.6	0.1	0.3	0.9			0.2	1.9	0.6	0.6				0.5	
Q4	0.3	-0.1	-	0.7	0.4			0.3	0.1	0.2	-0.6				0.4	
2018 Q1	0.5	-0.2	0.2	-0.8	-0.6			0.2	-1.3	-0.1	-0.6				0.1	
Q2	0.5	-0.6	-0.4	-0.6	-0.4			0.8	-1.0	0.4	0.4				0.4	
Q3	0.4	-0.5	-0.1	0.9	-0.6			0.6	0.9	0.7	0.7				0.7	
Q4	0.3	-0.2	1.3	-0.6	-0.9			0.3	1.6	0.6	2.1				0.2	
2019 Q1	0.6	-0.7	0.8	1.2	0.4			3.3	1.5	2.9	10.8				0.5	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR	
2015 Q4	2.8	-0.1	1.8	2.5	2.9			2.2	3.1	2.4	3.0				2.2	
2016 Q1	3.3	0.2	1.7	0.8	-2.1			1.9	1.0	1.7	0.4				2.1	
Q2	3.3	0.4	0.7	1.1	-1.1			2.3	1.1	2.0	3.2				1.7	
Q3	3.2	1.2	0.2	4.9	2.9			3.7	-1.2	2.7	6.1				1.7	
Q4	3.1	1.5	0.4	2.5	-0.4			1.8	3.3	2.1	3.5				1.7	
2017 Q1	2.8	0.7	-0.7	3.5	1.2			2.0	4.4	2.5	4.8				1.8	
Q2	2.3	-0.1	-0.1	3.8	1.6			2.1	4.7	2.7	5.1				1.9	
Q3	1.6	-0.6	-	2.6	0.9			0.1	10.2	2.2	2.5				-2.0	
Q4	2.0	-1.2	-	3.9	2.4			1.3	3.5	1.8	1.8				1.6	
2018 Q1	1.7	-1.0	0.8	2.1	1.9			0.9	1.9	1.1	0.3				1.2	
Q2	1.9	-1.5	-0.1	-0.4	0.2			1.5	-0.3	1.1	-0.2				1.4	
Q3	1.8	-1.4	-0.3	0.2	-1.3			1.9	-1.3	1.2	-0.1				1.6	
Q4	1.7	-1.4	1.0	-1.1	-2.5			2.0	0.2	1.6	2.6				1.4	
2019 Q1	1.9	-2.0	1.6	0.9	-1.5			5.1	3.0	4.7	14.3				1.8	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

7 An error was discovered in the General Government Final Consumption Expenditure CVM figures during quality assurance. The most significant quarterly growth error is in 2005Q2 increasing growth by 2.3%. Figures in current prices in unaffected and the CVM data will be corrected in Blue Book 2019, the next time 2005 data are open to revision.

D Gross domestic product by category of income: current prices¹

£ million

	Compensation of employees		Gross operating surplus of corporations							Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	Wages and Salaries	Employers social contributions	Total	Private non-financial corporations ²	Of which alignment adjustment	Financial corporations	Public corporations	Total ³	Other income ⁴				
	DTWL	DTWP	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2015	773 363	155 096	928 459	346 248	–	50 341	17 280	413 869	322 906	1 665 234	230 605	–	1 895 839
2016	798 583	164 823	963 406	357 702	–	56 980	17 625	432 307	333 887	1 729 600	239 924	–	1 969 524
2017	829 346	174 591	1 003 937	369 871	–	61 705	16 660	448 236	338 295	1 790 468	251 970	7 191	2 049 629
2018	867 319	179 048	1 046 367	381 372	–	56 597	10 853	448 822	353 296	1 848 485	259 129	10 110	2 117 724
Seasonally adjusted													
2015 Q4	195 933	39 251	235 184	83 783	–867	13 693	4 199	101 675	82 382	419 241	58 533	–	477 774
2016 Q1	194 390	38 932	233 322	92 810	1 912	13 640	3 929	110 376	82 608	426 306	59 020	–	485 326
Q2	199 228	41 170	240 398	86 104	–1 681	14 358	4 943	105 406	83 888	429 692	59 802	–	489 494
Q3	202 897	42 169	245 066	84 982	–1 987	15 582	4 428	104 992	83 782	433 840	59 890	–	493 730
Q4	202 068	42 552	244 620	93 806	1 756	13 400	4 325	111 533	83 609	439 762	61 212	–	500 974
2017 Q1	203 342	43 333	246 675	94 621	2 574	15 450	3 971	114 042	84 194	444 911	61 030	1 087	507 028
Q2	206 616	43 784	250 400	89 558	–2 507	15 252	4 752	109 562	84 423	444 385	62 825	1 659	508 869
Q3	208 053	44 102	252 155	91 917	–689	14 876	4 365	111 158	84 587	447 900	64 252	2 106	514 258
Q4	211 335	43 372	254 707	93 775	622	16 127	3 572	113 474	85 091	453 272	63 863	2 339	519 474
2018 Q1	213 771	43 416	257 187	96 448	1 886	14 412	2 703	113 563	86 433	457 183	63 170	2 538	522 891
Q2	214 852	44 717	259 569	93 613	–1 637	14 293	2 813	110 719	87 745	458 033	65 786	2 575	526 394
Q3	218 083	45 650	263 733	95 347	–703	14 015	2 670	112 032	88 941	464 706	65 192	2 546	532 444
Q4	220 613	45 265	265 878	95 964	454	13 877	2 667	112 508	90 177	468 563	64 981	2 451	535 995
2019 Q1	220 845	46 050	266 895	98 743	1 937	13 930	2 772	115 445	91 058	473 398	65 062	2 561	541 021
Percentage change, latest year on previous year													
	CWNH	CWNE	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2015	3.6	1.0	3.2	2.4		–15.2	4.4	–0.1	5.6	2.8	2.8		2.8
2016	3.3	6.3	3.8	3.3		13.2	2.0	4.5	3.4	3.9	4.0		3.9
2017	3.9	5.9	4.2	3.4		8.3	–5.5	3.7	1.3	3.5	5.0		4.1
2018	4.6	2.6	4.2	3.1		–8.3	–34.9	0.1	4.4	3.2	2.8		3.3
Percentage change, latest quarter on previous quarter													
	CWNI	CWNF	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2015 Q4	0.2	1.5	0.4	–2.9		33.0	–4.6	0.7	0.6	0.5	0.1		0.5
2016 Q1	–0.8	–0.8	–0.8	10.8		–0.4	–6.4	8.6	0.3	1.7	0.8		1.6
Q2	2.5	5.7	3.0	–7.2		5.3	25.8	–4.5	1.5	0.8	1.3		0.9
Q3	1.8	2.4	1.9	–1.3		8.5	–10.4	–0.4	–0.1	1.0	0.1		0.9
Q4	–0.4	0.9	–0.2	10.4		–14.0	–2.3	6.2	–0.2	1.4	2.2		1.5
2017 Q1	0.6	1.8	0.8	0.9		15.3	–8.2	2.2	0.7	1.2	–0.3		1.2
Q2	1.6	1.0	1.5	–5.4		–1.3	19.7	–3.9	0.3	–0.1	2.9		0.4
Q3	0.7	0.7	0.7	2.6		–2.5	–8.1	1.5	0.2	0.8	2.3		1.1
Q4	1.6	–1.7	1.0	2.0		8.4	–18.2	2.1	0.6	1.2	–0.6		1.0
2018 Q1	1.2	0.1	1.0	2.9		–10.6	–24.3	0.1	1.6	0.9	–1.1		0.7
Q2	0.5	3.0	0.9	–2.9		–0.8	4.1	–2.5	1.5	0.2	4.1		0.7
Q3	1.5	2.1	1.6	1.9		–1.9	–5.1	1.2	1.4	1.5	–0.9		1.1
Q4	1.2	–0.8	0.8	0.6		–1.0	–0.1	0.4	1.4	0.8	–0.3		0.7
2019 Q1	0.1	1.7	0.4	2.9		0.4	3.9	2.6	1.0	1.0	0.1		0.9
Percentage change, latest quarter on corresponding quarter of previous year													
	CWNJ	CWNG	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2015 Q4	3.5	2.8	3.4	0.3		–10.8	2.9	–1.2	6.1	2.7	2.9		2.8
2016 Q1	2.3	1.6	2.2	7.3		–3.5	3.3	5.7	5.2	3.7	5.4		3.9
Q2	3.8	6.0	4.2	–3.9		17.5	1.4	–1.2	4.6	2.9	3.9		3.0
Q3	3.8	9.1	4.6	–1.6		51.4	0.6	3.9	2.4	4.0	2.4		3.8
Q4	3.1	8.4	4.0	12.0		–2.1	3.0	9.7	1.5	4.9	4.6		4.9
2017 Q1	4.6	11.3	5.7	2.0		13.3	1.1	3.3	1.9	4.4	3.4		4.5
Q2	3.7	6.3	4.2	4.0		6.2	–3.9	3.9	0.6	3.4	5.1		4.0
Q3	2.5	4.6	2.9	8.2		–4.5	–1.4	5.9	1.0	3.2	7.3		4.2
Q4	4.6	1.9	4.1	–		20.4	–17.4	1.7	1.8	3.1	4.3		3.7
2018 Q1	5.1	0.2	4.3	1.9		–6.7	–31.9	–0.4	2.7	2.8	3.5		3.1
Q2	4.0	2.1	3.7	4.5		–6.3	–40.8	1.1	3.9	3.1	4.7		3.4
Q3	4.8	3.5	4.6	3.7		–5.8	–38.8	0.8	5.1	3.8	1.5		3.5
Q4	4.4	4.4	4.4	2.3		–14.0	–25.3	–0.9	6.0	3.4	1.8		3.2
2019 Q1	3.3	6.1	3.8	2.4		–3.3	2.6	1.7	5.4	3.5	3.0		3.5

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL ²															
UK DOMESTIC ³															
COICOP ¹	Net tourism		Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2015	1 178 915	8 142	1 170 773	97 457	41 154	65 039	319 910	54 439	20 161	157 707	22 339	111 116	21 233	110 760	149 458
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940
2017	1 288 984	13 428	1 275 556	104 018	42 633	70 237	340 631	66 300	24 782	168 592	24 804	125 005	22 902	122 683	162 969
2018	1 341 849	13 545	1 328 304	107 588	44 858	71 001	352 484	73 668	28 026	176 524	24 385	128 755	23 368	125 098	172 549
Seasonally adjusted															
2015 Q4	299 266	2 158	297 108	24 560	10 318	16 547	79 978	14 082	5 398	40 328	5 754	28 461	5 555	28 253	37 874
2016 Q1	303 176	2 748	300 428	24 606	10 309	16 463	81 826	14 454	5 500	40 529	5 877	29 020	5 610	28 330	37 904
Q2	306 925	3 293	303 632	24 477	10 463	16 218	82 552	14 737	5 458	40 817	5 929	29 647	5 616	28 973	38 745
Q3	310 953	3 807	307 146	24 864	10 467	16 551	82 394	15 024	5 524	41 230	6 100	30 190	5 665	29 289	39 848
Q4	314 193	3 587	310 606	24 866	10 355	16 907	83 485	15 662	5 614	41 497	6 089	30 267	5 652	29 769	40 443
2017 Q1	318 968	3 477	315 491	25 415	10 463	17 212	83 834	15 911	5 896	42 905	6 098	31 045	5 681	30 260	40 771
Q2	320 806	3 237	317 569	25 861	10 722	17 557	84 850	16 468	6 207	41 190	6 186	31 169	5 710	30 593	41 056
Q3	322 838	3 250	319 588	26 192	10 691	17 762	85 693	16 892	6 273	41 878	6 269	31 258	5 741	30 895	40 044
Q4	326 372	3 464	322 908	26 550	10 757	17 706	86 254	17 029	6 406	42 619	6 251	31 533	5 770	30 935	41 098
2018 Q1	330 889	3 467	327 422	26 742	10 903	17 564	87 237	17 856	6 730	43 561	6 136	31 609	5 799	30 973	42 312
Q2	333 979	3 314	330 665	26 825	11 210	17 696	87 301	18 297	7 006	44 511	6 051	31 961	5 828	31 155	42 824
Q3	336 985	3 469	333 516	26 976	11 298	17 840	88 433	18 575	7 124	44 066	6 065	32 504	5 856	31 280	43 499
Q4	339 996	3 295	336 701	27 045	11 447	17 901	89 513	18 940	7 166	44 386	6 133	32 681	5 885	31 690	43 914
2019 Q1	342 313	4 070	338 243	27 258	11 604	18 267	89 701	19 125	7 257	44 324	6 117	32 768	5 915	31 392	44 515
Percentage change, latest year on previous year															
	KGJ7	KG6U	KG9N	KGJ3	KGJ9	KGJ7	KGJ5	KGJ6	KGJ4	KGK2	KGK8	KGJ2	KGJ6	KGJ2	KGJ2
2015	3.2	3.1	-0.1	-2.2	5.5	3.9	6.2	6.1	0.9	6.5	4.4	7.5	3.7	2.3	
2016	4.8	4.4	1.4	1.1	1.7	3.2	10.0	9.6	4.0	7.4	7.2	6.2	5.1	5.0	
2017	4.4	4.4	5.3	2.5	6.2	3.1	10.7	12.2	2.8	3.4	4.9	1.6	5.4	3.8	
2018	4.1	4.1	3.4	5.2	1.1	3.5	11.1	13.1	4.7	-1.7	3.0	2.0	2.0	5.9	
Percentage change, latest quarter on previous quarter															
	KGJ8	KGJ4	KGJ9	KGJ4	KGJ2	KGJ8	KGJ6	KGJ7	KGJ5	KGK3	KGK9	KGJ3	KGJ7	KGJ3	
2015 Q4	1.1	1.0	0.7	0.8	0.2	-1.2	3.7	6.6	1.0	3.0	1.8	5.3	1.3	3.2	
2016 Q1	1.3	1.1	0.2	-0.1	-0.5	2.3	2.6	1.9	0.5	2.1	2.0	1.0	0.3	0.1	
Q2	1.2	1.1	-0.5	1.5	-1.5	0.9	2.0	-0.8	0.7	0.9	2.2	0.1	2.3	2.2	
Q3	1.3	1.2	1.6	-	2.1	-0.2	1.9	1.2	1.0	2.9	1.8	0.9	1.1	2.8	
Q4	1.0	1.1	-	-1.1	2.2	1.3	4.2	1.6	0.6	-0.2	0.3	-0.2	1.6	1.5	
2017 Q1	1.5	1.6	2.2	1.0	1.8	0.4	1.6	5.0	3.4	0.1	2.6	0.5	1.6	0.8	
Q2	0.6	0.7	1.8	2.5	2.0	1.2	3.5	5.3	-4.0	1.4	0.4	0.5	1.1	0.7	
Q3	0.6	0.6	1.3	-0.3	1.2	1.0	2.6	1.1	1.7	1.3	0.3	0.5	1.0	-2.5	
Q4	1.1	1.0	1.4	0.6	-0.3	0.7	0.8	2.1	1.8	-0.3	0.9	0.5	0.1	2.6	
2018 Q1	1.4	1.4	0.7	1.4	-0.8	1.1	4.9	5.1	2.2	-1.8	0.2	0.5	0.1	3.0	
Q2	0.9	1.0	0.3	2.8	0.8	0.1	2.5	4.1	2.2	-1.4	1.1	0.5	0.6	1.2	
Q3	0.9	0.9	0.6	0.8	0.8	1.3	1.5	1.7	-1.0	0.2	1.7	0.5	0.4	1.6	
Q4	0.9	1.0	0.3	1.3	0.3	1.2	2.0	0.6	0.7	1.1	0.5	0.5	1.3	1.0	
2019 Q1	0.7	0.5	0.8	1.4	2.0	0.2	1.0	1.3	-0.1	-0.3	0.3	0.5	-0.9	1.4	
Percentage change, latest quarter on corresponding quarter of previous year															
	KGJ9	KGJ7C	KGJ9V	KGJ5	KGJ3	KGJ9	KGJ7	KGJ8	KGJ6	KGK4	KGJ2	KGJ4	KGJ8	KGJ4	
2015 Q4	3.6	3.5	0.7	-1.3	5.7	3.2	7.5	14.3	2.8	7.8	5.8	9.1	5.2	0.5	
2016 Q1	4.5	4.3	1.8	-0.8	4.8	3.4	7.8	16.0	6.2	7.7	7.1	8.3	4.3	1.3	
Q2	4.6	4.1	0.6	2.5	-0.3	3.4	10.2	10.2	3.9	6.9	7.5	7.5	5.6	3.4	
Q3	5.0	4.4	1.9	2.2	0.3	1.8	10.7	9.1	3.3	9.2	8.0	7.4	5.0	8.6	
Q4	5.0	4.5	1.2	0.4	2.2	4.4	11.2	4.0	2.9	5.8	6.3	1.7	5.4	6.8	
2017 Q1	5.2	5.0	3.3	1.5	4.5	2.5	10.1	7.2	5.9	3.8	7.0	1.3	6.8	7.6	
Q2	4.5	4.6	5.7	2.5	8.3	2.8	11.7	13.7	0.9	4.3	5.1	1.7	5.6	6.0	
Q3	3.8	4.1	5.3	2.1	7.3	4.0	12.4	13.6	1.6	2.8	3.5	1.3	5.5	0.5	
Q4	3.9	4.0	6.8	3.9	4.7	3.3	8.7	14.1	2.7	2.7	4.2	2.1	3.9	1.6	
2018 Q1	3.7	3.8	5.2	4.2	2.0	4.1	12.2	14.1	1.5	0.6	1.8	2.1	2.4	3.8	
Q2	4.1	4.1	3.7	4.6	0.8	2.9	11.1	12.9	8.1	-2.2	2.5	2.1	1.8	4.3	
Q3	4.4	4.4	3.0	5.7	0.4	3.2	10.0	13.6	5.2	-3.3	4.0	2.0	1.2	8.6	
Q4	4.2	4.3	1.9	6.4	1.1	3.8	11.2	11.9	4.1	-1.9	3.6	2.0	2.4	6.9	
2019 Q1	3.5	3.3	1.9	6.4	4.0	2.8	7.1	7.8	1.8	-0.3	3.7	2.0	1.4	5.2	

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.

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

£ million

		UK NATIONAL ²							
		UK DOMESTIC ³							
		Goods							
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP ¹					D	SD	ND	S	
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN	
2015	1 178 915	8 142	1 170 773	485 138	112 074	120 697	252 367	685 635	
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972	
2017	1 288 984	13 428	1 275 556	533 793	134 020	132 597	267 176	741 763	
2018	1 341 849	13 545	1 328 304	558 707	140 399	136 824	281 484	769 597	
Seasonally adjusted									
2015 Q4	299 266	2 158	297 108	122 172	29 152	31 033	61 987	174 936	
2016 Q1	303 176	2 748	300 428	124 328	30 621	30 717	62 990	176 100	
Q2	306 925	3 293	303 632	124 933	31 070	30 614	63 249	178 699	
Q3	310 953	3 807	307 146	125 853	31 442	30 881	63 530	181 293	
Q4	314 193	3 587	310 606	127 726	31 779	31 284	64 663	182 880	
2017 Q1	318 968	3 477	315 491	131 417	33 500	32 409	65 508	184 074	
Q2	320 806	3 237	317 569	132 023	32 663	32 987	66 373	185 546	
Q3	322 838	3 250	319 588	134 225	33 817	33 394	67 014	185 363	
Q4	326 372	3 464	322 908	136 128	34 040	33 807	68 281	186 780	
2018 Q1	330 889	3 467	327 422	137 824	34 810	33 658	69 356	189 598	
Q2	333 979	3 314	330 665	139 042	35 229	33 955	69 858	191 623	
Q3	336 985	3 469	333 516	140 057	34 712	34 515	70 830	193 459	
Q4	339 996	3 295	336 701	141 784	35 648	34 696	71 440	194 917	
2019 Q1	342 313	4 070	338 243	142 443	36 117	35 111	71 215	195 800	
Percentage change, latest year on previous year									
	KG77		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9	
2015	3.2		3.1	1.6	6.5	4.9	-1.8	4.1	
2016	4.8		4.4	3.6	11.5	2.3	0.8	4.9	
2017	4.4		4.4	6.2	7.3	7.4	5.0	3.2	
2018	4.1		4.1	4.7	4.8	3.2	5.4	3.8	
Percentage change, latest quarter on previous quarter									
	KG78		KG74	KHD2	KHB6	KHH6	KHE6	KHG2	
2015 Q4	1.1		1.0	-0.2	2.6	1.9	-2.4	1.9	
2016 Q1	1.3		1.1	1.8	5.0	-1.0	1.6	0.7	
Q2	1.2		1.1	0.5	1.5	-0.3	0.4	1.5	
Q3	1.3		1.2	0.7	1.2	0.9	0.4	1.5	
Q4	1.0		1.1	1.5	1.1	1.3	1.8	0.9	
2017 Q1	1.5		1.6	2.9	5.4	3.6	1.3	0.7	
Q2	0.6		0.7	0.5	-2.5	1.8	1.3	0.8	
Q3	0.6		0.6	1.7	3.5	1.2	1.0	-0.1	
Q4	1.1		1.0	1.4	0.7	1.2	1.9	0.8	
2018 Q1	1.4		1.4	1.2	2.3	-0.4	1.6	1.5	
Q2	0.9		1.0	0.9	1.2	0.9	0.7	1.1	
Q3	0.9		0.9	0.7	-1.5	1.6	1.4	1.0	
Q4	0.9		1.0	1.2	2.7	0.5	0.9	0.8	
2019 Q1	0.7		0.5	0.5	1.3	1.2	-0.3	0.5	
Percentage change, latest quarter on corresponding quarter of previous year									
	KG79		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3	
2015 Q4	3.6		3.5	2.0	8.0	6.8	-2.7	4.7	
2016 Q1	4.5		4.3	4.0	14.0	5.0	-0.7	4.5	
Q2	4.6		4.1	3.2	12.3	2.3	-0.3	4.8	
Q3	5.0		4.4	2.8	10.7	1.4	-	5.6	
Q4	5.0		4.5	4.5	9.0	0.8	4.3	4.5	
2017 Q1	5.2		5.0	5.7	9.4	5.5	4.0	4.5	
Q2	4.5		4.6	5.7	5.1	7.8	4.9	3.8	
Q3	3.8		4.1	6.7	7.6	8.1	5.5	2.2	
Q4	3.9		4.0	6.6	7.1	8.1	5.6	2.1	
2018 Q1	3.7		3.8	4.9	3.9	3.9	5.9	3.0	
Q2	4.1		4.1	5.3	7.9	2.9	5.3	3.3	
Q3	4.4		4.4	4.3	2.6	3.4	5.7	4.4	
Q4	4.2		4.3	4.2	4.7	2.6	4.6	4.4	
2019 Q1	3.5		3.3	3.4	3.8	4.3	2.7	3.3	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

E3 Household final consumption expenditure by purpose

Chained volume measures

Reference year 2016, £ million

UK NATIONAL²

UK DOMESTIC³

COICOP ¹	Net		Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services		Health	Transport	Communi-cation	Recreati-on & culture	Education	Restau-rants & hotels	Miscell-aneous
	Total	tourism						05	06							
	-	-	0	01	02	03	04	05	06	07	08	09	10	11	12	
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG	
2015	1 196 525	11 989	1 184 499	95 127	42 670	65 136	326 862	54 448	20 217	158 270	22 948	111 773	22 238	113 453	151 587	
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940	
2017	1 262 271	11 416	1 250 855	101 624	40 872	68 273	334 671	64 344	24 236	164 619	24 376	122 723	22 053	119 092	163 972	
2018	1 284 838	12 360	1 272 478	103 068	40 669	68 911	340 219	70 421	26 921	165 036	23 712	123 809	21 866	118 512	169 334	

Seasonally adjusted

2015 Q4	301 804	2 889	298 897	24 151	10 599	16 555	80 968	14 124	5 397	40 331	5 848	28 653	5 627	28 688	37 953
2016 Q1	305 101	3 191	301 900	24 491	10 425	16 397	82 354	14 412	5 507	40 857	5 956	29 155	5 680	28 603	38 067
Q2	307 595	3 527	304 074	24 488	10 554	16 277	82 738	14 782	5 473	40 841	5 954	29 637	5 689	29 047	38 618
Q3	311 268	3 919	307 367	24 930	10 406	16 597	82 078	15 110	5 569	41 383	6 049	30 070	5 691	29 191	40 286
Q4	311 283	2 798	308 471	24 904	10 209	16 868	83 087	15 573	5 547	40 992	6 036	30 262	5 483	29 520	39 969
2017 Q1	313 584	2 778	310 806	25 178	10 205	16 952	82 905	15 632	5 822	41 860	6 033	30 648	5 512	29 482	40 577
Q2	314 804	2 789	312 015	25 343	10 306	17 071	83 549	16 067	6 073	40 354	6 114	30 648	5 539	29 809	41 142
Q3	316 397	2 830	313 567	25 531	10 193	17 121	83 972	16 228	6 128	41 181	6 122	30 645	5 556	29 944	40 946
Q4	317 486	3 019	314 467	25 572	10 168	17 129	84 245	16 417	6 213	41 224	6 107	30 782	5 446	29 857	41 307
2018 Q1	319 051	3 178	315 873	25 682	10 063	16 955	84 876	17 045	6 519	41 207	6 056	30 646	5 473	29 530	41 821
Q2	320 805	3 019	317 786	25 733	10 243	17 127	84 615	17 434	6 714	41 827	5 932	30 830	5 500	29 653	42 178
Q3	322 015	3 259	318 756	25 789	10 201	17 350	85 109	17 746	6 826	40 881	5 859	31 122	5 508	29 475	42 890
Q4	322 967	2 904	320 063	25 864	10 162	17 479	85 619	18 196	6 862	41 121	5 865	31 211	5 385	29 854	42 445
2019 Q1	324 975	3 512	321 463	25 930	10 179	17 768	85 881	18 133	6 907	41 313	5 835	31 264	5 412	29 159	43 682

Percentage change, latest year on previous year

2015	KGZ5	KG7O	KG9Y	KGf6	KGG4	KGH2	KGH8	KGi9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8
2016	2.7	2.3	2.5	-3.1	5.2	1.4	6.2	4.2	2.8	5.1	5.1	-1.1	1.2	0.7
2017	3.2	3.2	3.9	-2.5	1.5	1.0	10.0	9.3	3.7	4.6	6.6	1.4	2.6	3.5
2018	2.2	2.4	2.8	-1.7	3.2	1.3	7.5	9.7	0.3	1.6	3.0	-2.2	2.3	4.5
2019	1.8	1.7	1.4	-0.5	0.9	1.7	9.4	11.1	0.3	-2.7	0.9	-0.8	-0.5	3.3

Percentage change, latest quarter on previous quarter

2015 Q4	KGZ6	KG7R	KGA3	KGf7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9
2016 Q1	0.1	0.3	1.2	-0.3	0.2	-1.7	4.2	6.7	0.7	1.6	1.7	0.9	0.6	-0.3
Q2	1.1	1.0	1.4	-1.6	-1.0	1.7	2.0	2.0	1.3	1.8	1.8	0.9	-0.3	0.3
Q3	0.8	0.7	-	1.2	-0.7	0.5	2.6	-0.6	-	-	1.7	0.2	1.6	1.4
Q4	1.2	1.1	1.8	-1.4	2.0	-0.8	2.2	1.8	1.3	1.6	1.5	-	0.5	4.3
2017 Q1	-	0.4	-0.1	-1.9	1.6	1.2	3.1	-0.4	-0.9	-0.2	0.6	-3.7	1.1	-0.8
2017 Q1	0.7	0.8	1.1	-	0.5	-0.2	0.4	5.0	2.1	-	1.3	0.5	-0.1	1.5
Q2	0.4	0.4	0.7	1.0	0.7	0.8	2.8	4.3	-3.6	1.3	-	0.5	1.1	1.4
Q3	0.5	0.5	0.7	-1.1	0.3	0.5	1.0	0.9	2.0	0.1	-	0.3	0.5	-0.5
Q4	0.3	0.3	0.2	-0.2	-	0.3	1.2	1.4	0.1	-0.2	0.4	-2.0	-0.3	0.9
2018 Q1	0.5	0.4	0.4	-1.0	-1.0	0.7	3.8	4.9	-	-0.8	-0.4	0.5	-1.1	1.2
Q2	0.5	0.6	0.2	1.8	1.0	-0.3	2.3	3.0	1.5	-2.0	0.6	0.5	0.4	0.9
Q3	0.4	0.3	0.2	-0.4	1.3	0.6	1.8	1.7	-2.3	-1.2	0.9	0.1	-0.6	1.7
Q4	0.3	0.4	0.3	-0.4	0.7	0.6	2.5	0.5	0.6	0.1	0.3	-2.2	1.3	-1.0
2019 Q1	0.6	0.4	0.3	0.2	1.7	0.3	-0.3	0.7	0.5	-0.5	0.2	0.5	-2.3	2.9

Percentage change, latest quarter on corresponding quarter of previous year

2015 Q4	KGZ7	KG7U	KGA6	KGf8	KGG6	KGH4	KGi2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGf2
2016 Q1	2.8	2.6	3.4	-2.1	5.4	0.5	7.1	12.8	3.2	5.1	6.4	4.2	2.9	-0.5
Q2	3.3	3.2	4.4	-3.4	3.8	0.8	8.0	15.2	6.2	5.8	7.4	3.4	1.9	0.5
Q3	3.3	3.0	3.5	-0.9	0.1	1.0	10.1	9.9	3.6	4.1	6.6	2.7	3.1	2.5
Q4	3.2	3.1	4.5	-2.1	0.5	-0.3	11.5	10.1	3.4	5.1	6.8	2.1	2.4	5.9
2017 Q1	3.1	3.2	3.1	-3.7	1.9	2.6	10.3	2.8	1.6	3.2	5.6	-2.6	2.9	5.3
2017 Q1	2.8	2.9	2.8	-2.1	3.4	0.7	8.5	5.7	2.5	1.3	5.1	-3.0	3.1	6.6
Q2	2.3	2.6	3.5	-2.3	4.9	1.0	8.7	11.0	-1.2	2.7	3.4	-2.6	2.6	6.5
Q3	1.6	2.0	2.4	-2.0	3.2	2.3	7.4	10.0	-0.5	1.2	1.9	-2.4	2.6	1.6
Q4	2.0	1.9	2.7	-0.4	1.5	1.4	5.4	12.0	0.6	1.2	1.7	-0.7	1.1	3.3
2018 Q1	1.7	1.6	2.0	-1.4	-	2.4	9.0	12.0	-1.6	0.4	-	-0.7	0.2	3.1
Q2	1.9	1.8	1.5	-0.6	0.3	1.3	8.5	10.6	3.7	-3.0	0.6	-0.7	-0.5	2.5
Q3	1.8	1.7	1.0	0.1	1.3	1.4	9.4	11.4	-0.7	-4.3	1.6	-0.9	-1.6	4.7
Q4	1.7	1.8	1.1	-0.1	2.0	1.6	10.8	10.4	-0.2	-4.0	1.4	-1.1	-	2.8
2019 Q1	1.9	1.8	1.0	1.2	4.8	1.2	6.4	6.0	0.3	-3.6	2.0	-1.1	-1.3	4.4

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

Reference year 2016, £ million

		UK NATIONAL ²							
		UK DOMESTIC ³							
		Goods							
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP ¹					D	SD	ND	S	
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP	
2015	1 196 525	11 989	1 184 499	482 224	112 256	120 349	249 537	702 436	
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972	
2017	1 262 271	11 416	1 250 855	519 488	130 334	129 739	259 415	731 367	
2018	1 284 838	12 360	1 272 478	531 694	135 014	132 361	264 319	740 784	
Seasonally adjusted									
2015 Q4	301 804	2 889	298 897	121 955	29 087	30 881	61 990	176 974	
2016 Q1	305 101	3 191	301 900	124 271	30 355	30 579	63 334	177 633	
Q2	307 595	3 527	304 074	125 108	31 045	30 638	63 420	178 972	
Q3	311 268	3 919	307 367	126 036	31 612	30 982	63 444	181 345	
Q4	311 283	2 798	308 471	127 425	31 900	31 297	64 234	181 022	
2017 Q1	313 584	2 778	310 806	128 978	32 958	31 957	64 063	181 828	
Q2	314 804	2 789	312 015	128 931	31 748	32 410	64 773	183 084	
Q3	316 397	2 830	313 567	130 217	32 646	32 541	65 030	183 350	
Q4	317 486	3 019	314 467	131 362	32 982	32 831	65 549	183 105	
2018 Q1	319 051	3 178	315 873	131 870	33 354	32 641	65 875	184 003	
Q2	320 805	3 019	317 786	132 779	33 850	32 939	65 990	185 007	
Q3	322 015	3 259	318 756	132 811	33 354	33 336	66 121	185 945	
Q4	322 967	2 904	320 063	134 234	34 456	33 445	66 333	185 829	
2019 Q1	324 975	3 512	321 463	134 755	34 588	33 931	66 236	186 708	
Percentage change, latest year on previous year									
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7	
2015	2.7		2.3	3.7	8.2	5.1	1.2	1.2	
2016	3.2		3.2	4.3	11.3	2.6	2.0	2.4	
2017	2.2		2.4	3.3	4.3	5.1	2.0	1.7	
2018	1.8		1.7	2.3	3.6	2.0	1.9	1.3	
Percentage change, latest quarter on previous quarter									
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8	
2015 Q4	0.1		0.3	0.2	2.2	1.6	-1.3	0.4	
2016 Q1	1.1		1.0	1.9	4.4	-1.0	2.2	0.4	
Q2	0.8		0.7	0.7	2.3	0.2	0.1	0.8	
Q3	1.2		1.1	0.7	1.8	1.1	-	1.3	
Q4	-		0.4	1.1	0.9	1.0	1.2	-0.2	
2017 Q1	0.7		0.8	1.2	3.3	2.1	-0.3	0.4	
Q2	0.4		0.4	-	-3.7	1.4	1.1	0.7	
Q3	0.5		0.5	1.0	2.8	0.4	0.4	0.1	
Q4	0.3		0.3	0.9	1.0	0.9	0.8	-0.1	
2018 Q1	0.5		0.4	0.4	1.1	-0.6	0.5	0.5	
Q2	0.5		0.6	0.7	1.5	0.9	0.2	0.5	
Q3	0.4		0.3	-	-1.5	1.2	0.2	0.5	
Q4	0.3		0.4	1.1	3.3	0.3	0.3	-0.1	
2019 Q1	0.6		0.4	0.4	0.4	1.5	-0.1	0.5	
Percentage change, latest quarter on corresponding quarter of previous year									
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9	
2015 Q4	2.8		2.6	3.7	8.4	6.8	0.3	1.8	
2016 Q1	3.3		3.2	4.9	12.9	4.7	1.6	2.0	
Q2	3.3		3.0	4.2	11.6	2.5	1.7	2.2	
Q3	3.2		3.1	3.6	11.1	2.0	1.0	2.8	
Q4	3.1		3.2	4.5	9.7	1.3	3.6	2.3	
2017 Q1	2.8		2.9	3.8	8.6	4.5	1.2	2.4	
Q2	2.3		2.6	3.1	2.3	5.8	2.1	2.3	
Q3	1.6		2.0	3.3	3.3	5.0	2.5	1.1	
Q4	2.0		1.9	3.1	3.4	4.9	2.0	1.2	
2018 Q1	1.7		1.6	2.2	1.2	2.1	2.8	1.2	
Q2	1.9		1.8	3.0	6.6	1.6	1.9	1.1	
Q3	1.8		1.7	2.0	2.2	2.4	1.7	1.4	
Q4	1.7		1.8	2.2	4.5	1.9	1.2	1.5	
2019 Q1	1.9		1.8	2.2	3.7	4.0	0.5	1.5	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

F1 Gross fixed capital formation by sector and type of asset

Current prices

£ million

	Analysis by sector								Analysis by asset					
	Public corporations ²				Private Sector				Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products	Total
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Total							
2015	NPEK 184 620	RPZG 50 998	L62R 8 128	L62S 687	L62T 59 817	L62U 15 181	NPQS 319 432	TLPX 22 382	TLPW 62 290	GGAE 67 946	EQED 107 618	TLPK 59 195	NPQS 319 432	
2016	187 032	52 100	8 403	726	66 169	17 013	331 442	25 856	61 628	74 573	108 718	60 669	331 442	
2017	194 886	55 093	8 412	773	73 987	18 142	351 293	22 768	66 065	82 400	117 206	62 854	351 293	
2018	197 237	57 252	4 525	762	81 640	17 856	359 272	20 427	65 243	86 164	121 653	65 785	359 272	
Seasonally adjusted														
2015 Q4	46 409	12 294	1 989	176	15 533	4 109	80 509	5 351	15 870	17 521	26 897	14 868	80 509	
2016 Q1	45 850	12 128	2 046	150	15 969	4 525	80 667	6 286	14 902	18 015	26 514	14 950	80 667	
Q2	46 690	13 111	2 104	229	16 209	4 091	82 434	6 347	15 804	18 313	26 820	15 150	82 434	
Q3	47 583	13 460	2 115	168	16 623	4 045	83 994	7 169	15 346	18 738	27 534	15 208	83 994	
Q4	46 909	13 401	2 138	179	17 368	4 352	84 347	6 054	15 576	19 507	27 850	15 361	84 347	
2017 Q1	47 313	13 404	2 169	165	18 017	4 511	85 579	5 862	15 446	20 203	28 938	15 130	85 579	
Q2	48 614	13 995	2 317	223	18 050	4 459	87 658	6 119	16 666	20 346	29 009	15 518	87 658	
Q3	49 174	13 793	2 164	195	18 453	4 615	88 394	5 650	16 658	20 591	29 594	15 901	88 394	
Q4	49 785	13 901	1 762	190	19 467	4 557	89 662	5 137	17 295	21 260	29 665	16 305	89 662	
2018 Q1	49 497	14 033	1 397	172	19 873	4 509	89 481	5 716	16 565	21 269	29 526	16 405	89 481	
Q2	49 592	13 698	1 012	211	20 440	4 353	89 306	5 248	16 300	21 452	29 779	16 527	89 306	
Q3	49 147	14 667	1 077	191	20 735	4 478	90 295	4 703	16 423	21 812	30 901	16 456	90 295	
Q4	49 001	14 854	1 039	188	20 592	4 516	90 190	4 760	15 955	21 631	31 447	16 397	90 190	
2019 Q1	49 289	15 832	1 322	179	20 640	4 503	91 765	4 370	16 227	21 962	32 326	16 880	91 765	
Percentage change, latest year on previous year														
	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2015	5.1	0.4	-2.0	4.7	8.1	0.8	4.5	36.1	-0.3	6.8	4.9	-2.3	4.5	
2016	1.3	2.2	3.4	5.7	10.6	12.1	3.8	15.5	-1.1	9.8	1.0	2.5	3.8	
2017	4.2	5.7	0.1	6.5	11.8	6.6	6.0	-11.9	7.2	10.5	7.8	3.6	6.0	
2018	1.2	3.9	-46.2	-1.4	10.3	-1.6	2.3	-10.3	-1.2	4.6	3.8	4.7	2.3	
Percentage change, latest quarter on previous quarter														
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2015 Q4	2.1	-0.5	-3.2	-0.6	3.2	4.4	1.9	10.0	3.1	2.4	0.5	-0.2	1.9	
2016 Q1	-1.2	-1.4	2.9	-14.8	2.8	10.1	0.2	17.5	-6.1	2.8	-1.4	0.6	0.2	
Q2	1.8	8.1	2.8	52.7	1.5	-9.6	2.2	1.0	6.1	1.7	1.2	1.3	2.2	
Q3	1.9	2.7	0.5	-26.6	2.6	-1.1	1.9	13.0	-2.9	2.3	2.7	0.4	1.9	
Q4	-1.4	-0.4	1.1	6.5	4.5	7.6	0.4	-15.6	1.5	4.1	1.1	1.0	0.4	
2017 Q1	0.9	-	1.4	-7.8	3.7	3.7	1.5	-3.2	-0.8	3.6	3.9	-1.5	1.5	
Q2	2.7	4.4	6.8	35.2	0.2	-1.2	2.4	4.4	7.9	0.7	0.2	2.6	2.4	
Q3	1.2	-1.4	-6.6	-12.6	2.2	3.5	0.8	-7.7	-	1.2	2.0	2.5	0.8	
Q4	1.2	0.8	-18.6	-2.6	5.5	-1.3	1.4	-9.1	3.8	3.2	0.2	2.5	1.4	
2018 Q1	-0.6	0.9	-20.7	-9.5	2.1	-1.1	-0.2	11.3	-4.2	-	-0.5	0.6	-0.2	
Q2	0.2	-2.4	-27.6	22.7	2.9	-3.5	-0.2	-8.2	-1.6	0.9	0.9	0.7	-0.2	
Q3	-0.9	7.1	6.4	-9.5	1.4	2.9	1.1	-10.4	0.8	1.7	3.8	-0.4	1.1	
Q4	-0.3	1.3	-3.5	-1.6	-0.7	0.8	-0.1	1.2	-2.8	-0.8	1.8	-0.4	-0.1	
2019 Q1	0.6	6.6	27.2	-4.8	0.2	-0.3	1.7	-8.2	1.7	1.5	2.8	2.9	1.7	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2015 Q4	4.0	-5.5	-10.2	5.4	10.6	9.6	3.4	25.2	-0.3	7.8	3.2	-3.0	3.4	
2016 Q1	-1.2	-9.1	-7.2	-16.2	13.4	34.0	1.3	-5.8	-3.0	10.6	-1.4	3.8	1.3	
Q2	0.8	0.8	11.9	47.7	7.0	8.8	2.7	15.6	0.9	7.5	-0.9	0.8	2.7	
Q3	4.7	8.9	2.9	-5.1	10.5	2.8	6.3	47.3	-0.3	9.6	2.9	2.1	6.3	
Q4	1.1	9.0	7.5	1.7	11.8	5.9	4.8	13.1	-1.9	11.3	3.5	3.3	4.8	
2017 Q1	3.2	10.5	6.0	10.0	12.8	-0.3	6.1	-6.7	3.7	12.1	9.1	1.2	6.1	
Q2	4.1	6.7	10.1	-2.6	11.4	9.0	6.3	-3.6	5.5	11.1	8.2	2.4	6.3	
Q3	3.3	2.5	2.3	16.1	11.0	14.1	5.2	-21.2	8.5	9.9	7.5	4.6	5.2	
Q4	6.1	3.7	-17.6	6.1	12.1	4.7	6.3	-15.1	11.0	9.0	6.5	6.1	6.3	
2018 Q1	4.6	4.7	-35.6	4.2	10.3	-	4.6	-2.5	7.2	5.3	2.0	8.4	4.6	
Q2	2.0	-2.1	-56.3	-5.4	13.2	-2.4	1.9	-14.2	-2.2	5.4	2.7	6.5	1.9	
Q3	-0.1	6.3	-50.2	-2.1	12.4	-3.0	2.2	-16.8	-1.4	5.9	4.4	3.5	2.2	
Q4	-1.6	6.9	-41.0	-1.1	5.8	-0.9	0.6	-7.3	-7.7	1.7	6.0	0.6	0.6	
2019 Q1	-0.4	12.8	-5.4	4.1	3.9	-0.1	2.6	-23.5	-2.0	3.3	9.5	2.9	2.6	

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

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

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

4 Includes new dwellings and improvements to dwellings.

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

F2 Gross fixed capital formation by sector and type of asset

Chained volume measures

Reference year 2016, £ million

	Analysis by sector								Analysis by asset					
	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	Total
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Total							
	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2015	187 355	51 660	8 241	694	60 677	15 347	324 016	21 785	64 208	68 917	109 223	60 130	324 016	
2016	187 031	52 100	8 404	726	66 170	17 013	331 442	25 854	61 628	74 572	108 718	60 669	331 442	
2017	189 877	54 029	8 202	767	72 053	17 990	342 917	23 250	61 854	80 255	115 143	62 415	342 917	
2018	189 047	54 861	4 279	738	77 262	17 311	343 498	19 790	61 445	81 542	116 329	64 392	343 498	
Seasonally adjusted														
2015 Q4	47 023	12 390	2 008	177	15 687	4 140	81 427	5 185	16 444	17 694	27 135	15 063	81 427	
2016 Q1	46 221	12 243	2 062	150	16 191	4 543	81 415	6 230	15 135	18 253	26 771	15 042	81 415	
Q2	46 622	13 277	2 110	229	16 369	4 095	82 695	6 272	15 744	18 478	27 040	15 176	82 695	
Q3	47 330	13 605	2 109	168	16 674	4 024	83 909	7 151	15 167	18 783	27 600	15 174	83 909	
Q4	46 858	12 975	2 123	179	16 936	4 351	83 423	6 201	15 582	19 058	27 307	15 277	83 423	
2017 Q1	46 762	12 921	2 161	165	17 733	4 524	84 265	6 171	14 807	19 774	28 415	15 098	84 265	
Q2	47 365	13 892	2 267	222	17 673	4 449	85 868	6 280	15 616	19 890	28 675	15 407	85 868	
Q3	47 779	13 631	2 078	193	17 889	4 541	86 111	5 719	15 535	20 057	29 038	15 762	86 111	
Q4	47 971	13 585	1 696	187	18 758	4 476	86 673	5 080	15 896	20 534	29 015	16 148	86 673	
2018 Q1	47 668	13 369	1 335	167	19 039	4 420	85 998	5 555	15 406	20 374	28 544	16 119	85 998	
Q2	47 459	13 248	960	204	19 427	4 223	85 521	5 078	15 390	20 388	28 598	16 067	85 521	
Q3	47 171	14 084	1 011	185	19 496	4 320	86 267	4 582	15 533	20 507	29 523	16 122	86 267	
Q4	46 749	14 160	973	182	19 300	4 348	85 712	4 575	15 116	20 273	29 664	16 084	85 712	
2019 Q1	46 932	14 900	1 224	171	19 210	4 319	86 756	4 144	15 324	20 434	30 403	16 451	86 756	
Percentage change, latest year on previous year														
	KG7M	KH9J	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2015	3.7	-0.7	-2.2	3.4	7.8	-0.4	3.4	37.1	-3.8	6.5	4.2	-3.1	3.4	
2016	-0.2	0.9	2.0	4.6	9.1	10.9	2.3	18.7	-4.0	8.2	-0.5	0.9	2.3	
2017	1.5	3.7	-2.4	5.6	8.9	5.7	3.5	-10.1	0.4	7.6	5.9	2.9	3.5	
2018	-0.4	1.5	-47.8	-3.8	7.2	-3.8	0.2	-14.9	-0.7	1.6	1.0	3.2	0.2	
Percentage change, latest quarter on previous quarter														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2015 Q4	2.3	-1.4	-3.5	-0.6	3.0	4.4	1.8	8.7	4.3	2.2	-	-0.3	1.8	
2016 Q1	-1.7	-1.2	2.7	-15.3	3.2	9.7	-	20.2	-8.0	3.2	-1.3	-0.1	-	
Q2	0.9	8.4	2.3	52.7	1.1	-9.9	1.6	0.7	4.0	1.2	1.0	0.9	1.6	
Q3	1.5	2.5	-	-26.6	1.9	-1.7	1.5	14.0	-3.7	1.7	2.1	-	1.5	
Q4	-1.0	-4.6	0.7	6.5	1.6	8.1	-0.6	-13.3	2.7	1.5	-1.1	0.7	-0.6	
2017 Q1	-0.2	-0.4	1.8	-7.8	4.7	4.0	1.0	-0.5	-5.0	3.8	4.1	-1.2	1.0	
Q2	1.3	7.5	4.9	34.5	-0.3	-1.7	1.9	1.8	5.5	0.6	0.9	2.0	1.9	
Q3	0.9	-1.9	-8.3	-13.1	1.2	2.1	0.3	-8.9	-0.5	0.8	1.3	2.3	0.3	
Q4	0.4	-0.3	-18.4	-3.1	4.9	-1.4	0.7	-11.2	2.3	2.4	-0.1	2.4	0.7	
2018 Q1	-0.6	-1.6	-21.3	-10.7	1.5	-1.3	-0.8	9.4	-3.1	-0.8	-1.6	-0.2	-0.8	
Q2	-0.4	-0.9	-28.1	22.2	2.0	-4.5	-0.6	-8.6	-0.1	0.1	0.2	-0.3	-0.6	
Q3	-0.6	6.3	5.3	-9.3	0.4	2.3	0.9	-9.8	0.9	0.6	3.2	0.3	0.9	
Q4	-0.9	0.5	-3.8	-1.6	-1.0	0.6	-0.6	-0.2	-2.7	-1.1	0.5	-0.2	-0.6	
2019 Q1	0.4	5.2	25.8	-6.0	-0.5	-0.7	1.2	-9.4	1.4	0.8	2.5	2.3	1.2	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2015 Q4	2.9	-6.2	-10.6	3.5	10.0	8.3	2.5	22.8	-1.1	7.1	2.3	-4.0	2.5	
2016 Q1	-2.1	-8.7	-8.0	-17.6	13.0	32.5	0.8	-2.0	-4.9	10.1	-1.8	2.5	0.8	
Q2	-1.1	-0.2	10.4	45.9	6.1	7.4	1.1	14.6	-2.1	6.6	-2.3	-0.6	1.1	
Q3	2.9	8.3	1.4	-5.6	9.4	1.5	4.9	49.9	-3.8	8.5	1.7	0.4	4.9	
Q4	-0.4	4.7	5.7	1.1	8.0	5.1	2.5	19.6	-5.2	7.7	0.6	1.4	2.5	
2017 Q1	1.2	5.5	4.8	10.0	9.5	-0.4	3.5	-0.9	-2.2	8.3	6.1	0.4	3.5	
Q2	1.6	4.6	7.4	-3.1	8.0	8.6	3.8	0.1	-0.8	7.6	6.0	1.5	3.8	
Q3	0.9	0.2	-1.5	14.9	7.3	12.8	2.6	-20.0	2.4	6.8	5.2	3.9	2.6	
Q4	2.4	4.7	-20.1	4.5	10.8	2.9	3.9	-18.1	2.0	7.7	6.3	5.7	3.9	
2018 Q1	1.9	3.5	-38.2	1.2	7.4	-2.3	2.1	-10.0	4.0	3.0	0.5	6.8	2.1	
Q2	0.2	-4.6	-57.7	-8.1	9.9	-5.1	-0.4	-19.1	-1.4	2.5	-0.3	4.3	-0.4	
Q3	-1.3	3.3	-51.3	-4.1	9.0	-4.9	0.2	-19.9	-	2.2	1.7	2.3	0.2	
Q4	-2.5	4.2	-42.6	-2.7	2.9	-2.9	-1.1	-9.9	-4.9	-1.3	2.2	-0.4	-1.1	
2019 Q1	-1.5	11.5	-8.3	2.4	0.9	-2.3	0.9	-25.4	-0.5	0.3	6.5	2.1	0.9	

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.

G Changes in inventories Chained volume measures¹

Reference year 2016, £ million

	Manufacturing industries					Electricity, gas and water supply	Distributive trades			Changes in inventories ³
	Mining and quarrying	Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²	Other industries ³	
Level of inventories held at end-December⁴ 2016	2 407	19 622	18 556	19 987	58 165	4 132	40 109	40 091	83 397	228 301
2015	FAEA 1 510	FBNF 1 581	FBNG 705	FBNH 815	DHBM 3 101	FAEB -446	FAJX 3 496	FBYN 2 556	DLWX 1 317	CAFU 11 146
2016	-68	-1 071	732	-75	-414	109	483	-915	9 361	8 556
2017	-591	89	1 441	1 425	2 955	-59	-1 275	-1 435	-1 972	-2 377
2018	150	-859	294	-770	-1 335	488	4 702	-1 243	2 591	5 353
Seasonally adjusted										
2015 Q4	491	8	48	-572	-516	225	914	-935	2 715	2 782
2016 Q1	277	-189	86	82	-22	66	1 015	-765	1 373	1 881
Q2	-149	-528	-237	-418	-1 182	-103	71	87	1 479	347
Q3	272	-52	-22	137	62	-206	-489	-1 103	2 805	1 173
Q4	-468	-302	905	124	728	352	-114	866	3 704	5 155
2017 Q1	345	926	565	-382	1 109	452	-258	-758	1 231	2 121
Q2	701	-520	638	557	675	-462	113	-206	-1 605	-784
Q3	-828	-207	545	614	952	-8	-1 674	134	-40	-1 464
Q4	-809	-110	-307	636	219	-41	544	-605	-1 558	-2 250
2018 Q1	-178	190	261	217	668	-263	3 003	387	-5 495	-1 878
Q2	-560	-743	-395	-189	-1 327	-76	-534	-662	3 739	580
Q3	-157	158	134	-293	-1	-98	1 847	-447	1 266	2 410
Q4	1 045	-464	294	-505	-675	925	386	-521	3 081	4 241
2019 Q1	-444	530	932	1 061	2 523	-803	2 500	519	1 416	5 711

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.

4 These are values of physical stock levels in reference year (2016) prices.

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
2015	286 752	232 858	519 610	404 562	142 032	546 594	-117 810	90 826	-26 984
2016	299 073	257 888	556 961	431 725	156 123	587 848	-132 652	101 765	-30 887
2017	338 739	278 800	617 539	475 774	165 698	641 472	-137 035	113 102	-23 933
2018	350 651	283 411	634 062	488 744	176 287	665 031	-138 093	107 124	-30 969
Seasonally adjusted									
2015 Q4	70 804	59 634	130 438	100 274	36 457	136 731	-29 470	23 177	-6 293
2016 Q1	70 403	60 998	131 401	101 443	36 659	138 102	-31 040	24 339	-6 701
Q2	73 778	62 266	136 044	104 321	37 941	142 262	-30 543	24 325	-6 218
Q3	74 148	64 314	138 462	112 681	39 521	152 202	-38 533	24 793	-13 740
Q4	80 744	70 310	151 054	113 280	42 002	155 282	-32 536	28 308	-4 228
2017 Q1	83 015	68 448	151 463	117 141	41 005	158 146	-34 126	27 443	-6 683
Q2	84 136	68 908	153 044	118 563	41 446	160 009	-34 427	27 462	-6 965
Q3	86 140	70 089	156 229	120 002	41 592	161 594	-33 862	28 497	-5 365
Q4	85 448	71 355	156 803	120 068	41 655	161 723	-34 620	29 700	-4 920
2018 Q1	85 966	69 379	155 345	118 075	42 493	160 568	-32 109	26 886	-5 223
Q2	86 371	70 261	156 632	120 619	43 461	164 080	-34 248	26 800	-7 448
Q3	89 366	70 175	159 541	124 183	44 218	168 401	-34 817	25 957	-8 860
Q4	88 948	73 596	162 544	125 867	46 115	171 982	-36 919	27 481	-9 438
2019 Q1	90 965	73 206	164 171	138 014	46 424	184 438	-47 049	26 782	-20 267
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2015	-2.2	2.5	-0.1	-2.6	5.4	-0.6			
2016	4.3	10.7	7.2	6.7	9.9	7.5			
2017	13.3	8.1	10.9	10.2	6.1	9.1			
2018	3.5	1.7	2.7	2.7	6.4	3.7			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2015 Q4	0.3	4.0	2.0	1.7	2.5	1.9			
2016 Q1	-0.6	2.3	0.7	1.2	0.6	1.0			
Q2	4.8	2.1	3.5	2.8	3.5	3.0			
Q3	0.5	3.3	1.8	8.0	4.2	7.0			
Q4	8.9	9.3	9.1	0.5	6.3	2.0			
2017 Q1	2.8	-2.6	0.3	3.4	-2.4	1.8			
Q2	1.4	0.7	1.0	1.2	1.1	1.2			
Q3	2.4	1.7	2.1	1.2	0.4	1.0			
Q4	-0.8	1.8	0.4	0.1	0.2	0.1			
2018 Q1	0.6	-2.8	-0.9	-1.7	2.0	-0.7			
Q2	0.5	1.3	0.8	2.2	2.3	2.2			
Q3	3.5	-0.1	1.9	3.0	1.7	2.6			
Q4	-0.5	4.9	1.9	1.4	4.3	2.1			
2019 Q1	2.3	-0.5	1.0	9.7	0.7	7.2			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2015 Q4	-3.7	2.3	-1.0	-6.6	8.6	-3.0			
2016 Q1	-1.8	4.2	0.9	-3.6	6.3	-1.1			
Q2	0.1	8.6	3.8	3.8	6.8	4.6			
Q3	5.1	12.2	8.3	14.3	11.1	13.4			
Q4	14.0	17.9	15.8	13.0	15.2	13.6			
2017 Q1	17.9	12.2	15.3	15.5	11.9	14.5			
Q2	14.0	10.7	12.5	13.7	9.2	12.5			
Q3	16.2	9.0	12.8	6.5	5.2	6.2			
Q4	5.8	1.5	3.8	6.0	-0.8	4.1			
2018 Q1	3.6	1.4	2.6	0.8	3.6	1.5			
Q2	2.7	2.0	2.3	1.7	4.9	2.5			
Q3	3.7	0.1	2.1	3.5	6.3	4.2			
Q4	4.1	3.1	3.7	4.8	10.7	6.3			
2019 Q1	5.8	5.5	5.7	16.9	9.3	14.9			

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
2015	302 991	248 177	551 228	415 878	153 347	569 120	-17 892
2016	299 073	257 888	556 961	431 725	156 123	587 848	-30 887
2017	319 033	269 184	588 217	450 747	157 740	608 487	-20 270
2018	318 700	270 200	588 900	448 265	164 236	612 501	-23 601
Seasonally adjusted							
2015 Q4	76 519	63 059	139 491	105 107	39 554	144 591	-5 100
2016 Q1 ²	74 823	63 507	138 252	105 537	38 438	143 976	-5 724
Q2 ²	75 463	64 171	139 554	106 066	38 837	144 900	-5 346
Q3 ²	72 300	62 781	135 108	110 687	38 673	149 364	-14 256
Q4 ²	76 487	67 429	144 047	109 435	40 175	149 608	-5 561
2017 Q1	77 953	66 320	144 273	111 703	39 186	150 889	-6 616
Q2	79 606	66 461	146 067	112 805	39 451	152 256	-6 189
Q3	81 852	67 007	148 859	113 601	39 498	153 099	-4 240
Q4	79 622	69 396	149 018	112 638	39 605	152 243	-3 225
2018 Q1	80 149	66 924	147 073	111 273	40 068	151 341	-4 268
Q2	78 616	67 038	145 654	111 271	40 669	151 940	-6 286
Q3	80 560	66 343	146 903	111 970	41 048	153 018	-6 115
Q4	79 375	69 895	149 270	113 751	42 451	156 202	-6 932
2019 Q1	82 502	68 955	151 457	129 988	43 051	173 039	-21 582
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2015	6.7	1.6	4.4	4.4	8.9	5.5	
2016	-1.3	3.9	1.0	3.8	1.8	3.3	
2017	6.7	4.4	5.6	4.4	1.0	3.5	
2018	-0.1	0.4	0.1	-0.6	4.1	0.7	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2015 Q4	1.2	3.3	2.0	2.7	2.6	2.7	
2016 Q1	-2.2	0.7	-0.9	0.4	-2.8	-0.4	
Q2	0.9	1.0	0.9	0.5	1.0	0.6	
Q3	-4.2	-2.2	-3.2	4.4	-0.4	3.1	
Q4	5.8	7.4	6.6	-1.1	3.9	0.2	
2017 Q1	1.9	-1.6	0.2	2.1	-2.5	0.9	
Q2	2.1	0.2	1.2	1.0	0.7	0.9	
Q3	2.8	0.8	1.9	0.7	0.1	0.6	
Q4	-2.7	3.6	0.1	-0.8	0.3	-0.6	
2018 Q1	0.7	-3.6	-1.3	-1.2	1.2	-0.6	
Q2	-1.9	0.2	-1.0	-	1.5	0.4	
Q3	2.5	-1.0	0.9	0.6	0.9	0.7	
Q4	-1.5	5.4	1.6	1.6	3.4	2.1	
2019 Q1	3.9	-1.3	1.5	14.3	1.4	10.8	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2015 Q4	5.0	0.8	3.1	0.4	11.5	3.0	
2016 Q1	0.9	1.1	1.0	-0.8	4.4	0.4	
Q2	-1.6	4.8	1.1	4.0	1.1	3.2	
Q3	-4.4	2.8	-1.2	8.2	0.3	6.1	
Q4	-	6.9	3.3	4.1	1.6	3.5	
2017 Q1	4.2	4.4	4.4	5.8	1.9	4.8	
Q2	5.5	3.6	4.7	6.4	1.6	5.1	
Q3	13.2	6.7	10.2	2.6	2.1	2.5	
Q4	4.1	2.9	3.5	2.9	-1.4	1.8	
2018 Q1	2.8	0.9	1.9	-0.4	2.3	0.3	
Q2	-1.2	0.9	-0.3	-1.4	3.1	-0.2	
Q3	-1.6	-1.0	-1.3	-1.4	3.9	-0.1	
Q4	-0.3	0.7	0.2	1.0	7.2	2.6	
2019 Q1	2.9	3.0	3.0	16.8	7.4	14.3	

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
2015	1 723 523	1 692 039	1 692 039	–	96.4	96.4	98.1	98.1	98.1
2016	1 756 045	1 756 045	1 756 045	–	100.0	100.0	100.0	100.0	100.0
2017	1 794 096	1 827 756	1 818 682	9 074	104.1	103.6	102.2	101.7	102.4
2018	1 819 742	1 889 870	1 877 015	12 855	107.6	106.9	103.6	102.9	103.9
Seasonally adjusted									
2015 Q4	433 845	426 098	426 098	–	97.1	97.1	98.8	98.8	98.8
2016 Q1	435 169	432 659	432 659	–	98.6	98.6	99.1	99.1	99.1
Q2	437 116	436 513	436 513	–	99.4	99.4	99.6	99.6	99.6
Q3	439 892	440 577	440 577	–	100.4	100.4	100.2	100.2	100.2
Q4	443 868	446 296	446 296	–	101.7	101.7	101.1	101.1	101.1
2017 Q1	445 592	451 941	450 865	1 076	102.9	102.7	101.5	101.3	101.7
Q2	446 940	453 775	451 913	1 862	103.4	102.9	101.8	101.4	102.1
Q3	449 692	458 107	455 342	2 765	104.3	103.7	102.4	101.8	102.6
Q4	451 872	463 933	460 562	3 371	105.7	104.9	102.9	102.2	103.0
2018 Q1	451 828	467 396	464 091	3 305	106.5	105.7	102.9	102.2	103.1
Q2	453 665	468 731	465 380	3 351	106.8	106.0	103.3	102.6	103.6
Q3	456 715	475 089	471 849	3 240	108.2	107.5	104.0	103.3	104.3
Q4	457 534	478 654	475 695	2 959	109.0	108.4	104.2	103.6	104.5
2019 Q1	459 745	482 834	479 819	3 015	110.0	109.3	104.7	104.1	105.1
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.9	3.8	3.8		3.8	3.8	1.9	1.9	1.9
2017	2.2	4.1	3.6		4.1	3.6	2.2	1.7	2.4
2018	1.4	3.4	3.2		3.4	3.2	1.4	1.2	1.5
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2015 Q4	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5
2016 Q1	0.3	1.5	1.5		1.5	1.5	0.3	0.3	0.3
Q2	0.4	0.9	0.9		0.9	0.9	0.4	0.4	0.4
Q3	0.6	0.9	0.9		0.9	0.9	0.6	0.6	0.6
Q4	0.9	1.3	1.3		1.3	1.3	0.9	0.9	0.9
2017 Q1	0.4	1.3	1.0		1.3	1.0	0.4	0.2	0.6
Q2	0.3	0.4	0.2		0.4	0.2	0.3	0.1	0.3
Q3	0.6	1.0	0.8		1.0	0.8	0.6	0.4	0.5
Q4	0.5	1.3	1.1		1.3	1.1	0.5	0.4	0.4
2018 Q1	–	0.7	0.8		0.7	0.8	–	–	0.1
Q2	0.4	0.3	0.3		0.3	0.3	0.4	0.4	0.4
Q3	0.7	1.4	1.4		1.4	1.4	0.7	0.7	0.7
Q4	0.2	0.8	0.8		0.8	0.8	0.2	0.2	0.2
2019 Q1	0.5	0.9	0.9		0.9	0.9	0.5	0.5	0.5
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2015 Q4	1.8	2.8	2.8		2.8	2.8	1.8	1.8	1.8
2016 Q1	1.8	3.6	3.6		3.6	3.6	1.8	1.8	1.8
Q2	1.6	2.8	2.8		2.8	2.8	1.6	1.6	1.6
Q3	1.9	3.9	3.9		3.9	3.9	1.9	1.9	1.9
Q4	2.3	4.7	4.7		4.7	4.7	2.3	2.3	2.3
2017 Q1	2.4	4.5	4.2		4.5	4.2	2.4	2.1	2.6
Q2	2.2	4.0	3.5		4.0	3.5	2.2	1.8	2.5
Q3	2.2	4.0	3.4		4.0	3.4	2.2	1.6	2.4
Q4	1.8	4.0	3.2		4.0	3.2	1.8	1.1	1.9
2018 Q1	1.4	3.4	2.9		3.4	2.9	1.4	0.9	1.4
Q2	1.5	3.3	3.0		3.3	3.0	1.5	1.2	1.4
Q3	1.6	3.7	3.6		3.7	3.6	1.6	1.5	1.6
Q4	1.3	3.2	3.3		3.2	3.3	1.3	1.4	1.5
2019 Q1	1.8	3.3	3.4		3.3	3.4	1.8	1.8	1.9

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			
2015 Q4	DMUN -334	DMUM -345	DMUQ -867
2016 Q1	-84	-86	1 912
Q2	-900	-903	-1 681
Q3	1 981	1 977	-1 987
Q4	-997	-988	1 756
2017 Q1	1 089	1 070	2 574
Q2	-1 609	-1 580	-2 507
Q3	639	625	-689
Q4	-119	-115	622
2018 Q1	-1 622	-1 561	1 886
Q2	-348	-329	-1 637
Q3	-570	-540	-703
Q4	2 540	2 430	454
2019 Q1	-929	-879	1 937

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	1 913 870	1 912 472	1 707 180	362 579	49 784	1 944 905	1 731 157	366 806	50 492	94.1135
2016/17	1 991 226	1 989 398	1 775 338	369 396	53 376	1 978 370	1 766 479	367 357	52 778	96.2576
2017/18	2 065 492	2 067 387	1 840 550	377 767	55 722	2 011 630	1 797 747	367 992	54 477	98.1989
2018/19	2 135 854	2 135 752	1 902 876	390 256	59 051	2 042 689	1 825 331	370 079	56 392	100.0000
Seasonally adjusted										
2015 Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	93.6069
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	94.7792
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	95.4439
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	95.8178
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	96.5081
2017 Q1	507 028	505 627	451 952	93 048	13 404	498 582	445 603	91 427	12 921	97.2606
Q2	508 869	506 918	453 572	93 403	13 995	499 885	446 741	91 876	13 892	97.3593
Q3	514 258	510 663	457 448	93 895	13 793	502 473	449 048	91 969	13 631	97.8836
Q4	519 474	526 421	462 901	94 873	13 901	504 487	450 870	91 995	13 585	98.4816
2018 Q1	522 891	523 385	466 629	95 596	14 033	504 785	451 088	92 152	13 369	99.0709
Q2	526 394	523 463	467 955	95 981	13 698	506 842	452 918	91 790	13 248	99.3298
Q3	532 444	529 833	474 395	96 736	14 667	510 346	456 050	91 726	14 084	99.7816
Q4	535 995	541 043	478 146	97 778	14 854	511 482	457 049	92 919	14 160	100.2240
2019 Q1	541 021	541 413	482 380	99 761	15 832	514 019	459 314	93 644	14 900	100.6645
Percentage change, latest financial year on previous financial year										
2015/16	3.0	3.1	2.9	1.4	-1.6	2.2	2.2	1.6	-2.1	0.8
2016/17	4.0	4.0	4.0	1.9	7.2	1.7	2.0	0.2	4.5	2.3
2017/18	3.7	3.9	3.7	2.3	4.4	1.7	1.8	0.2	3.2	2.0
2018/19	3.4	3.3	3.4	3.3	6.0	1.5	1.5	0.6	3.5	1.8
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2015 Q4	0.5	2.7	0.5	-0.7	-0.5	0.7	0.5	-0.2	-1.4	-0.3
2016 Q1	1.6	0.1	1.5	1.3	-1.4	0.3	0.3	0.4	-1.2	1.3
Q2	0.9	0.2	0.9	-0.1	8.1	0.2	0.4	-0.1	8.4	0.7
Q3	0.9	0.8	0.9	0.5	2.7	0.5	0.6	-	2.5	0.4
Q4	1.5	3.2	1.3	0.8	-0.4	0.7	0.9	-	-4.6	0.7
2017 Q1	1.2	-0.2	1.3	0.3	-	0.4	0.4	-0.6	-0.4	0.8
Q2	0.4	0.3	0.4	0.4	4.4	0.3	0.3	0.5	7.5	0.1
Q3	1.1	0.7	0.9	0.5	-1.4	0.5	0.5	0.1	-1.9	0.5
Q4	1.0	3.1	1.2	1.0	0.8	0.4	0.4	-	-0.3	0.6
2018 Q1	0.7	-0.6	0.8	0.8	0.9	0.1	-	0.2	-1.6	0.6
Q2	0.7	-	0.3	0.4	-2.4	0.4	0.4	-0.4	-0.9	0.3
Q3	1.1	1.2	1.4	0.8	7.1	0.7	0.7	-0.1	6.3	0.5
Q4	0.7	2.1	0.8	1.1	1.3	0.2	0.2	1.3	0.5	0.4
2019 Q1	0.9	0.1	0.9	2.0	6.6	0.5	0.5	0.8	5.2	0.4
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2015 Q4	2.8	3.1	2.8	0.7	-5.5	2.2	1.8	1.8	-6.2	0.5
2016 Q1	3.9	3.5	3.6	1.7	-9.1	2.1	1.8	1.7	-8.7	1.7
Q2	3.0	3.7	2.8	2.4	0.8	1.7	1.6	0.7	-0.2	1.3
Q3	3.8	3.9	3.9	1.0	8.9	1.7	1.9	0.2	8.3	2.1
Q4	4.9	4.4	4.7	2.6	9.0	1.7	2.3	0.4	4.7	3.1
2017 Q1	4.5	4.1	4.5	1.6	10.5	1.8	2.4	-0.7	5.5	2.6
Q2	4.0	4.2	3.9	2.0	6.7	1.9	2.2	-0.1	4.6	2.0
Q3	4.2	4.1	3.8	2.0	2.5	2.0	2.1	-	0.2	2.2
Q4	3.7	3.9	3.7	2.3	3.7	1.6	1.6	-	4.7	2.0
2018 Q1	3.1	3.5	3.2	2.7	4.7	1.2	1.2	0.8	3.5	1.9
Q2	3.4	3.3	3.2	2.8	-2.1	1.4	1.4	-0.1	-4.6	2.0
Q3	3.5	3.8	3.7	3.0	6.3	1.6	1.6	-0.3	3.3	1.9
Q4	3.2	2.8	3.3	3.1	6.9	1.4	1.4	1.0	4.2	1.8
2019 Q1	3.5	3.4	3.4	4.4	12.8	1.8	1.8	1.6	11.5	1.6

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.

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
2015	94.2529	94.0837	94.5320
2016	95.7365	96.0197	96.2890
2017	98.0001	98.1373	98.0956
2018	100.0000	100.0000	100.0000
Seasonally adjusted			
2015 Q4	93.9497	93.9813	94.5724
2016 Q1	95.0842	95.1583	95.7365
Q2	95.7131	95.8256	96.1590
Q3	95.8568	96.2010	96.4418
Q4	96.2921	96.8941	96.8186
2017 Q1	97.3525	97.6496	97.6638
Q2	97.5856	97.7487	97.7642
Q3	98.1781	98.2751	98.0931
Q4	98.8843	98.8756	98.8613
2018 Q1	99.3239	99.4672	99.6093
Q2	99.6037	99.7272	99.4888
Q3	100.3439	100.1808	100.1653
Q4	100.7285	100.6249	100.7366
2019 Q1	100.3311	101.0672	101.1275
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2015	-0.1	0.4	0.2
2016	1.6	2.1	1.9
2017	2.4	2.2	1.9
2018	2.0	1.9	1.9
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2015 Q4	-0.5	-0.3	-
2016 Q1	1.2	1.3	1.2
Q2	0.7	0.7	0.4
Q3	0.2	0.4	0.3
Q4	0.5	0.7	0.4
2017 Q1	1.1	0.8	0.9
Q2	0.2	0.1	0.1
Q3	0.6	0.5	0.3
Q4	0.7	0.6	0.8
2018 Q1	0.4	0.6	0.8
Q2	0.3	0.3	-0.1
Q3	0.7	0.5	0.7
Q4	0.4	0.4	0.6
2019 Q1	-0.4	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2015 Q4	-0.1	0.5	0.9
2016 Q1	1.3	1.7	1.8
Q2	0.9	1.3	1.3
Q3	1.5	2.1	2.0
Q4	2.5	3.1	2.4
2017 Q1	2.4	2.6	2.0
Q2	2.0	2.0	1.7
Q3	2.4	2.2	1.7
Q4	2.7	2.0	2.1
2018 Q1	2.0	1.9	2.0
Q2	2.1	2.0	1.8
Q3	2.2	1.9	2.1
Q4	1.9	1.8	1.9
2019 Q1	1.0	1.6	1.5

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
2015	65 110	1 895 839	29 117	1 934 903	29 717
2016	65 648	1 969 524	30 001	1 969 524	30 001
2017	66 040	2 049 629	31 036	2 005 427	30 367
2018	66 466	2 117 724	31 862	2 033 455	30 594
Seasonally adjusted					
2015 Q4	65 379	477 774	7 308	488 153	7 467
2016 Q1	65 514	485 326	7 408	489 736	7 475
Q2	65 648	489 494	7 456	490 502	7 472
Q3	65 746	493 730	7 510	492 816	7 496
Q4	65 844	500 974	7 608	496 470	7 540
2017 Q1	65 942	507 028	7 689	498 582	7 561
Q2	66 040	508 869	7 705	499 885	7 569
Q3	66 146	514 258	7 775	502 473	7 596
Q4	66 253	519 474	7 841	504 487	7 615
2018 Q1	66 359	522 891	7 880	504 785	7 607
Q2	66 466	526 394	7 920	506 842	7 626
Q3	66 572	532 444	7 998	510 346	7 666
Q4	66 678	535 995	8 039	511 482	7 671
2019 Q1	66 767	541 021	8 103	514 019	7 699
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2015		2.8	2.0	2.3	1.5
2016		3.9	3.0	1.8	1.0
2017		4.1	3.4	1.8	1.2
2018		3.3	2.7	1.4	0.7
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2015 Q4		0.5	0.3	0.7	0.5
2016 Q1		1.6	1.4	0.3	0.1
Q2		0.9	0.6	0.2	-
Q3		0.9	0.7	0.5	0.3
Q4		1.5	1.3	0.7	0.6
2017 Q1		1.2	1.1	0.4	0.3
Q2		0.4	0.2	0.3	0.1
Q3		1.1	0.9	0.5	0.4
Q4		1.0	0.8	0.4	0.3
2018 Q1		0.7	0.5	0.1	-0.1
Q2		0.7	0.5	0.4	0.2
Q3		1.1	1.0	0.7	0.5
Q4		0.7	0.5	0.2	0.1
2019 Q1		0.9	0.8	0.5	0.4
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2015 Q4		2.8	1.9	2.2	1.4
2016 Q1		3.9	3.0	2.1	1.2
Q2		3.0	2.2	1.7	0.8
Q3		3.8	3.0	1.7	0.9
Q4		4.9	4.1	1.7	1.0
2017 Q1		4.5	3.8	1.8	1.2
Q2		4.0	3.3	1.9	1.3
Q3		4.2	3.5	2.0	1.3
Q4		3.7	3.1	1.6	1.0
2018 Q1		3.1	2.5	1.2	0.6
Q2		3.4	2.8	1.4	0.8
Q3		3.5	2.9	1.6	0.9
Q4		3.2	2.5	1.4	0.7
2019 Q1		3.5	2.8	1.8	1.2

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

2 The UK resident population mid-year estimates used in this publication are those published on 28 June 2018

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

R Revisions Analysis¹

Revisions since previously published estimates

£ million

		2017	2018
Latest less previously published levels of GDP at current market prices			
National accounts aggregates at current prices (Table A2)			
Gross domestic product at market prices	KB7D	—	—
less Basic price adjustment	KB7E	—	—
Gross value added at basic prices	KB7F	—	—
Gross domestic product: expenditure at current prices (Table C1)			
National expenditure on goods and services at market prices			
Households	KB7K	—	—
Non-profit institutions serving households	KB7L	—	—
General government	KB7M	—	—
Gross fixed capital formation	KB7N	—	—
Changes in inventories	KB7O	—	—
Acquisitions less disposals of valuables	KB7P	—	—
Total	KB7Q	—	—
Total exports	KB7R	—	—
Total imports	KB7S	—	—
Statistical discrepancy (expenditure)	KB7T	—	—
Gross domestic product: income at current prices (Table D)			
Compensation of employees	KB7U	—	—
Gross operating surplus of corporations	KB7V	—	—
Other income	KB7W	—	—
Gross value added at factor cost	KB7X	—	—
Taxes on products & production less Subsidies	KB7Y	—	—
Statistical discrepancy (income)	KB7Z	—	—

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

		2017	2018
Latest less previously published growth rates for GDP in chained volume terms			
Percentage changes in volume of GDP (Table A2)			
Gross domestic product chained volume measures			
Year on year growth	KB82	—	—
Percentage changes in volume of GVA output components (Table B1)			
GVA at basic prices			
Agriculture, forestry and fishing	KB83	—	—
Mining and quarrying inc oil & gas extraction	KB84	—	—
Manufacturing	KB85	—	—
Electricity, gas, steam and air	KB86	—	—
Water supply, sewerage	KNT7	—	—
Total Production	KB87	—	—
Construction	KB88	—	—
Distribution, hotels and restaurants	KB89	—	—
Transport storage and communications	KB8A	—	—
Business services and finance	KB8B	—	—
Government and other services	KB8C	—	—
Total services	KB8D	—	—
Total GVA	KB8E	—	—
Total GVA excluding Oil	KB8F	—	—
Percentage changes in volume of GDP expenditure components (Table C2)			
National expenditure on goods and services at market prices			
Households	KB8G	—	—
Non-profit institutions serving households	KB8H	—	—
General government	KB8I	—	—
Gross fixed capital formation	KB8J	—	—
Total	KB8K	—	—
Total exports	KB8L	—	—
Total imports	KB8M	—	—



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 & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	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												
2016	L3BB -5.6	L3BG 1.0	L3BH 0.3	L3BN 0.4	L3DM 2.1	L3DQ 5.6	L3DW 4.1	L3E2 1.9	L3GP 3.8	KI8L 3.4	KI8N 2.1	KI8P -
2017	3.0	1.8	-0.6	2.5	-1.6	3.4	7.1	2.1	2.2	4.9	2.2	0.6
2018	-2.3	0.8	4.3	0.9	-0.6	-1.4	0.3	1.7	2.8	3.8	1.6	0.3
Contributions to growth												
2016	ZZ3V -0.04	ZZ3W 0.13	ZZ3Y -	ZZ3X 0.04	ZZ3Z 0.04	ZZ42 0.06	ZZ43 0.25	ZZ44 1.54	ZZ45 0.51	ZZ46 0.37	ZZ47 0.68	ZZ48 -0.01
2017	0.02	0.25	-0.01	0.25	-0.03	0.03	0.42	1.66	0.30	0.52	0.72	0.13
2018	-0.02	0.11	0.05	0.09	-0.01	-0.01	0.02	1.39	0.38	0.41	0.52	0.07
Percentage change, latest quarter on previous quarter												
Growth												
2017 Q1	L3BB 2.1	L3BG 0.3	L3BH 2.6	L3BN 0.5	L3DM -3.9	L3DQ 3.1	L3DW 3.2	L3E2 0.5	L3GP -0.2	KI8L 0.4	KI8N 0.8	KI8P 0.5
Q2	0.6	0.3	1.5	0.1	0.9	-0.8	0.2	0.4	0.3	1.2	0.2	0.3
Q3	0.6	1.0	0.1	1.1	2.2	-0.5	0.7	0.4	0.5	0.7	0.6	-0.1
Q4	-0.1	0.6	-4.5	1.5	-0.8	-	0.3	0.3	0.2	1.3	0.4	-0.3
2018 Q1	-2.1	0.1	4.6	-0.3	1.1	-1.9	-1.5	0.3	0.3	0.2	0.5	0.1
Q2	-0.9	-0.6	2.5	-0.5	-3.7	0.6	0.5	0.6	1.7	1.2	0.2	0.1
Q3	-0.1	0.6	2.2	0.2	1.6	1.6	1.8	0.6	1.0	1.8	0.3	0.3
Q4	0.6	-0.8	-0.8	-0.7	-1.5	-0.9	-0.5	0.5	0.3	0.8	0.4	0.6
2019 Q1	-1.4	1.1	0.9	1.9	-2.8	-0.8	1.4	0.4	1.2	1.0	-0.1	0.2
Contributions to growth												
2017 Q1	ZZ2F 0.01	ZZ2G 0.04	ZZ2I 0.03	ZZ2H 0.05	ZZ2J -0.07	ZZ2K 0.03	ZZ2L 0.20	ZZ2M 0.40	ZZ2N -0.03	ZZ2O 0.05	ZZ2P 0.27	ZZ2Q 0.11
Q2	-	0.03	0.02	0.01	0.02	-0.01	0.01	0.28	0.03	0.12	0.06	0.06
Q3	-	0.14	-	0.11	0.04	-0.01	0.04	0.33	0.07	0.08	0.20	-0.02
Q4	-	0.09	-0.05	0.15	-0.01	-	0.02	0.27	0.03	0.15	0.15	-0.06
2018 Q1	-0.01	0.01	0.05	-0.03	0.02	-0.02	-0.09	0.24	0.04	0.02	0.16	0.02
Q2	-0.01	-0.08	0.03	-0.05	-0.06	0.01	0.03	0.47	0.24	0.13	0.07	0.03
Q3	-	0.09	0.03	0.02	0.03	0.02	0.11	0.51	0.14	0.19	0.10	0.07
Q4	-	-0.12	-0.01	-0.07	-0.02	-0.01	-0.03	0.38	0.05	0.09	0.12	0.13
2019 Q1	-0.01	0.16	0.01	0.19	-0.05	-0.01	0.09	0.30	0.17	0.12	-0.03	0.05
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2017 Q1	L3ZZ 1.5	L426 2.3	L427 1.6	L42D 2.5	L44C -1.2	L44G 6.7	L44M 9.2	L44Q 2.2	L47F 3.0	KII2 5.4	KIH9 2.3	KIH8 0.2
Q2	3.2	0.7	0.9	1.4	-4.6	2.9	7.6	2.5	2.7	6.4	2.2	0.8
Q3	4.0	2.2	-4.0	3.0	1.4	2.3	7.1	2.1	2.4	4.2	2.1	0.8
Q4	3.2	2.2	-0.5	3.2	-1.7	1.7	4.5	1.6	0.8	3.7	2.0	0.4
2018 Q1	-1.0	2.0	1.4	2.3	3.5	-3.2	-0.3	1.4	1.4	3.4	1.7	-
Q2	-2.5	1.1	2.5	1.7	-1.3	-1.8	-	1.6	2.9	3.4	1.7	-0.1
Q3	-3.2	0.8	4.6	0.9	-1.9	0.2	1.2	1.9	3.4	4.5	1.4	0.3
Q4	-2.5	-0.7	8.7	-1.3	-2.5	-0.7	0.3	2.0	3.5	3.9	1.4	1.1
2019 Q1	-1.8	0.3	4.9	0.9	-6.3	0.5	3.2	2.1	4.4	4.8	0.8	1.2
Contributions to growth												
2017 Q1	ZZ36 0.01	ZZ37 0.31	ZZ39 0.02	ZZ38 0.25	ZZ3A -0.02	ZZ3B 0.07	ZZ3C 0.54	ZZ3D 1.77	ZZ3E 0.40	ZZ3F 0.56	ZZ3G 0.77	ZZ3H 0.05
Q2	0.02	0.10	0.01	0.14	-0.08	0.03	0.45	1.96	0.37	0.67	0.73	0.19
Q3	0.03	0.30	-0.04	0.30	0.02	0.02	0.43	1.65	0.32	0.45	0.71	0.18
Q4	0.02	0.30	-0.01	0.32	-0.03	0.02	0.27	1.28	0.11	0.40	0.68	0.09
2018 Q1	-0.01	0.28	0.02	0.24	0.06	-0.03	-0.02	1.13	0.19	0.36	0.57	0.01
Q2	-0.02	0.16	0.03	0.17	-0.02	-0.02	-	1.32	0.39	0.37	0.58	-0.03
Q3	-0.02	0.11	0.06	0.09	-0.03	-	0.07	1.49	0.46	0.49	0.49	0.06
Q4	-0.02	-0.10	0.10	-0.13	-0.04	-0.01	0.02	1.61	0.47	0.43	0.46	0.24
2019 Q1	-0.01	0.04	0.07	0.09	-0.12	0.01	0.20	1.67	0.60	0.53	0.28	0.27

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

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 ⁴	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	
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3	
2017	2.2	-0.3	-0.2	0.3	3.5	1.5	5.6	3.5	
2018	1.8	-1.3	0.4	2.7	0.2	-0.4	0.1	0.7	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2016	2.01	0.02	0.14	0.27	0.39	-0.02	0.29	0.95	-0.66
2017	1.37	-0.01	-0.04	0.05	0.58	0.14	1.59	1.05	0.54
2018	1.12	-0.04	0.07	0.46	0.03	-0.04	0.04	0.21	-0.17
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2017 Q1	0.7	-0.4	-0.6	1.4	1.0	-0.2	0.2	0.9	
Q2	0.4	-0.1	0.5	-0.7	1.9	1.3	1.2	0.9	
Q3	0.5	-0.6	0.1	-0.6	0.3	0.9	1.9	0.6	
Q4	0.3	-0.1	-	0.3	0.7	0.4	0.1	-0.6	
2018 Q1	0.5	-0.2	0.2	-0.7	-0.8	-0.6	-1.3	-0.6	
Q2	0.5	-0.6	-0.4	3.3	-0.6	-0.4	-1.0	0.4	
Q3	0.4	-0.5	-0.1	2.5	0.9	-0.6	0.9	0.7	
Q4	0.3	-0.2	1.3	-0.4	-0.6	-0.9	1.6	2.1	
2019 Q1	0.6	-0.7	0.8	16.3	1.2	0.4	1.5	10.8	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2017 Q1	0.46	-0.01	-0.12	0.25	0.17	-0.02	0.05	0.26	-0.21
Q2	0.24	-	0.09	-0.11	0.32	0.12	0.36	0.27	0.09
Q3	0.32	-0.02	0.02	-0.10	0.05	0.08	0.56	0.17	0.39
Q4	0.22	-	0.01	0.05	0.11	0.04	0.03	-0.17	0.20
2018 Q1	0.31	-0.01	0.03	-0.12	-0.13	-0.06	-0.40	-0.18	-0.21
Q2	0.35	-0.02	-0.07	0.56	-0.09	-0.04	-0.29	0.12	-0.41
Q3	0.24	-0.01	-0.01	0.44	0.15	-0.06	0.25	0.22	0.03
Q4	0.19	-	0.23	-0.07	-0.11	-0.08	0.48	0.64	-0.17
2019 Q1	0.39	-0.02	0.14	2.84	0.21	0.04	0.44	3.43	-2.99
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2017 Q1	2.8	0.7	-0.7	2.2	3.5	1.2	4.4	4.8	
Q2	2.3	-0.1	-0.1	4.1	3.8	1.6	4.7	5.1	
Q3	1.6	-0.6	-	-5.1	2.6	0.9	10.2	2.5	
Q4	2.0	-1.2	-	0.5	3.9	2.4	3.5	1.8	
2018 Q1	1.7	-1.0	0.8	-1.7	2.1	1.9	1.9	0.3	
Q2	1.9	-1.5	-0.1	2.2	-0.4	0.2	-0.3	-0.2	
Q3	1.8	-1.4	-0.3	5.4	0.2	-1.3	-1.3	-0.1	
Q4	1.7	-1.4	1.0	4.7	-1.1	-2.5	0.2	2.6	
2019 Q1	1.9	-2.0	1.6	22.6	0.9	-1.5	3.0	14.3	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2017 Q1	1.73	0.02	-0.13	0.37	0.58	0.11	1.23	1.41	-0.18
Q2	1.47	-	-0.02	0.68	0.65	0.15	1.33	1.50	-0.17
Q3	1.04	-0.02	-	-0.92	0.45	0.09	2.79	0.76	2.03
Q4	1.25	-0.04	-	0.08	0.65	0.22	1.00	0.53	0.47
2018 Q1	1.10	-0.03	0.15	-0.29	0.35	0.18	0.58	0.09	0.48
Q2	1.20	-0.04	-0.02	0.39	-0.07	0.02	-0.08	-0.07	-0.02
Q3	1.12	-0.04	-0.05	0.93	0.03	-0.12	-0.40	-0.02	-0.38
Q4	1.09	-0.04	0.18	0.80	-0.19	-0.24	0.05	0.81	-0.76
2019 Q1	1.18	-0.05	0.30	3.79	0.15	-0.15	0.90	4.48	-3.58

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

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

for this component are available in table C2

3 Non-profit institutions serving households

4 Please refer to footnote 7 on table C2

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
2016	3.8	4.5	3.4	4.0
2017	4.2	3.7	1.3	5.0
2018	4.2	0.1	4.4	2.8
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2016	1.85	0.98	0.58	0.49
2017	2.07	0.82	0.23	0.62
2018	2.06	0.03	0.73	0.35
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2017 Q1	0.8	2.2	0.7	-0.3
Q2	1.5	-3.9	0.3	2.9
Q3	0.7	1.5	0.2	2.3
Q4	1.0	2.1	0.6	-0.6
2018 Q1	1.0	0.1	1.6	-1.1
Q2	0.9	-2.5	1.5	4.1
Q3	1.6	1.2	1.4	-0.9
Q4	0.8	0.4	1.4	-0.3
2019 Q1	0.4	2.6	1.0	0.1
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2017 Q1	0.41	0.50	0.12	-0.04
Q2	0.81	-0.97	0.05	0.39
Q3	0.36	0.33	0.03	0.29
Q4	0.49	0.44	0.10	-0.07
2018 Q1	0.51	0.02	0.27	-0.14
Q2	0.48	-0.57	0.26	0.52
Q3	0.76	0.24	0.22	-0.11
Q4	0.42	0.09	0.24	-0.04
2019 Q1	0.18	0.51	0.16	0.01
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2017 Q1	5.7	3.3	1.9	3.4
Q2	4.2	3.9	0.6	5.1
Q3	2.9	5.9	1.0	7.3
Q4	4.1	1.7	1.8	4.3
2018 Q1	4.3	-0.4	2.7	3.5
Q2	3.7	1.1	3.9	4.7
Q3	4.6	0.8	5.1	1.5
Q4	4.4	-0.9	6.0	1.8
2019 Q1	3.8	1.7	5.4	3.0
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2017 Q1	2.77	0.76	0.33	0.42
Q2	2.06	0.86	0.11	0.62
Q3	1.45	1.26	0.16	0.89
Q4	2.02	0.39	0.30	0.53
2018 Q1	2.05	-0.09	0.44	0.42
Q2	1.78	0.22	0.64	0.57
Q3	2.23	0.17	0.84	0.18
Q4	2.16	-0.19	0.99	0.22
2019 Q1	1.87	0.35	0.89	0.37

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							less Total imports
	House- holds	Non-prof- it instit- utions ²	General govern- ment	Gross capital formation	Gross fixed capital formation	Total exports		
Percentage change, latest year on previous year								
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99	
2016	1.5	0.5	1.2	2.5	1.4	6.1	4.1	
2017	2.1	1.4	2.2	3.6	2.4	5.0	5.4	
2018	2.3	1.8	2.5	0.7	2.1	2.6	3.0	
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T	
2017 Q1	0.8	0.5	0.9	2.6	0.4	0.1	1.0	
Q2	0.2	0.4	-0.1	0.8	0.5	-0.2	0.3	
Q3	0.1	0.5	0.4	2.6	0.6	0.2	0.4	
Q4	0.7	0.2	1.0	0.4	0.8	0.3	0.6	
2018 Q1	0.9	0.5	0.6	-1.3	0.6	0.4	-0.1	
Q2	0.4	0.6	0.8	-0.7	0.4	1.8	1.8	
Q3	0.5	0.5	0.9	1.5	0.2	1.0	1.9	
Q4	0.6	0.4	-0.2	0.2	0.5	0.3	-	
2019 Q1	0.1	0.8	1.2	-3.5	0.5	-0.5	-3.2	
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92	
2017 Q1	2.4	1.1	2.2	2.8	2.5	10.5	9.3	
Q2	2.1	1.6	2.1	1.2	2.4	7.5	7.0	
Q3	2.1	1.5	2.0	4.1	2.5	2.4	3.6	
Q4	1.8	1.5	2.3	6.5	2.3	0.3	2.3	
2018 Q1	2.0	1.5	1.9	2.5	2.5	0.6	1.2	
Q2	2.2	1.8	2.9	0.9	2.3	2.6	2.8	
Q3	2.6	1.8	3.3	-0.2	2.0	3.5	4.3	
Q4	2.4	2.0	2.0	-0.3	1.7	3.5	3.6	
2019 Q1	1.6	2.3	2.7	-2.5	1.7	2.6	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 & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	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
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	-
2017	3.0	1.8	-0.6	2.5	-1.6	3.4	7.1	2.1	2.2	4.9	2.2	0.6
2018	-2.3	0.8	4.3	0.9	-0.6	-1.4	0.3	1.7	2.8	3.8	1.6	0.3
Previous estimates²												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	-
2017	3.0	1.8	-0.6	2.5	-1.6	3.4	7.1	2.1	2.2	4.9	2.2	0.6
2018	-2.3	0.8	4.3	0.9	-0.6	-1.4	0.3	1.7	2.8	3.8	1.6	0.3
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
Percentage change, latest quarter on previous quarter												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017 Q1	2.1	0.3	2.6	0.5	-3.9	3.1	3.2	0.5	-0.2	0.4	0.8	0.5
Q2	0.6	0.3	1.5	0.1	0.9	-0.8	0.2	0.4	0.3	1.2	0.2	0.3
Q3	0.6	1.0	0.1	1.1	2.2	-0.5	0.7	0.4	0.5	0.7	0.6	-0.1
Q4	-0.1	0.6	-4.5	1.5	-0.8	-	0.3	0.3	0.2	1.3	0.4	-0.3
2018 Q1	-2.1	0.1	4.6	-0.3	1.1	-1.9	-1.5	0.3	0.3	0.2	0.5	0.1
Q2	-0.9	-0.6	2.5	-0.5	-3.7	0.6	0.5	0.6	1.7	1.2	0.2	0.1
Q3	-0.1	0.6	2.2	0.2	1.6	1.6	1.8	0.6	1.0	1.8	0.3	0.3
Q4	0.6	-0.8	-0.8	-0.7	-1.5	-0.9	-0.5	0.5	0.3	0.8	0.4	0.6
2019 Q1	-1.4	1.1	0.9	1.9	-2.8	-0.8	1.4	0.4	1.2	1.0	-0.1	0.2
Previous estimates²												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2017 Q1	2.1	0.3	2.6	0.5	-3.9	3.1	3.2	0.5	-0.2	0.4	0.8	0.5
Q2	0.6	0.3	1.5	0.1	0.9	-0.8	0.2	0.4	0.3	1.2	0.2	0.3
Q3	0.6	1.0	0.1	1.1	2.2	-0.5	0.7	0.4	0.5	0.7	0.6	-0.1
Q4	-0.1	0.6	-4.5	1.5	-0.8	-	0.3	0.3	0.2	1.3	0.4	-0.3
2018 Q1	-2.1	0.1	4.6	-0.3	1.1	-1.9	-1.5	0.3	0.3	0.2	0.5	0.1
Q2	-0.9	-0.6	2.5	-0.5	-3.7	0.6	0.5	0.6	1.7	1.2	0.2	0.1
Q3	-0.1	0.6	2.2	0.2	1.6	1.6	1.8	0.6	1.0	1.8	0.3	0.3
Q4	0.6	-0.8	-0.8	-0.7	-1.5	-0.9	-0.5	0.5	0.3	0.8	0.4	0.6
2019 Q1	-1.8	1.4	2.0	2.2	-2.3	-1.7	1.0	0.3	1.1	0.7	-	0.2
Revisions												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2017 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	0.4	-0.3	-1.1	-0.3	-0.5	0.9	0.4	0.1	0.1	0.3	-0.1	-

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

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

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

AE Annex E - Output components of GDP- growths and revisions from previous estimate^{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	Const- ruction	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												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2017 Q1	1.5	2.3	1.6	2.5	-1.2	6.7	9.2	2.2	3.0	5.4	2.3	0.2
Q2	3.2	0.7	0.9	1.4	-4.6	2.9	7.6	2.5	2.7	6.4	2.2	0.8
Q3	4.0	2.2	-4.0	3.0	1.4	2.3	7.1	2.1	2.4	4.2	2.1	0.8
Q4	3.2	2.2	-0.5	3.2	-1.7	1.7	4.5	1.6	0.8	3.7	2.0	0.4
2018 Q1	-1.0	2.0	1.4	2.3	3.5	-3.2	-0.3	1.4	1.4	3.4	1.7	-
Q2	-2.5	1.1	2.5	1.7	-1.3	-1.8	-	1.6	2.9	3.4	1.7	-0.1
Q3	-3.2	0.8	4.6	0.9	-1.9	0.2	1.2	1.9	3.4	4.5	1.4	0.3
Q4	-2.5	-0.7	8.7	-1.3	-2.5	-0.7	0.3	2.0	3.5	3.9	1.4	1.1
2019 Q1	-1.8	0.3	4.9	0.9	-6.3	0.5	3.2	2.1	4.4	4.8	0.8	1.2
Previous estimates²												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2017 Q1	1.5	2.3	1.6	2.5	-1.2	6.7	9.2	2.2	3.0	5.4	2.3	0.2
Q2	3.2	0.7	0.9	1.4	-4.6	2.9	7.6	2.5	2.7	6.4	2.2	0.8
Q3	4.0	2.2	-4.0	3.0	1.4	2.3	7.1	2.1	2.4	4.2	2.1	0.8
Q4	3.2	2.2	-0.5	3.2	-1.7	1.7	4.5	1.6	0.8	3.7	2.0	0.4
2018 Q1	-1.0	2.0	1.4	2.3	3.5	-3.2	-0.3	1.4	1.4	3.4	1.7	-
Q2	-2.5	1.1	2.5	1.7	-1.3	-1.8	-	1.6	2.9	3.4	1.7	-0.1
Q3	-3.2	0.8	4.6	0.9	-1.9	0.2	1.2	1.9	3.4	4.5	1.4	0.3
Q4	-2.5	-0.7	8.7	-1.3	-2.5	-0.7	0.3	2.0	3.5	3.9	1.4	1.1
2019 Q1	-2.2	0.6	6.0	1.2	-5.9	-0.4	2.8	2.0	4.3	4.5	0.9	1.2
Revisions												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2017 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	0.4	-0.3	-1.1	-0.3	-0.4	0.9	0.4	0.1	0.1	0.3	-0.1	-

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

2 Previous estimate refers to estimates from the GDP first quarterly estimate
3 Current estimate refers to the estimates released within this publication (Quarterly National Accounts)

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							
	Households	Non-profit institutions ³	General government ⁵	Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	less Total imports
Percentage change, latest year on previous year								
Current estimates⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3
2017	2.2	-0.3	-0.2	0.3	3.5	1.5	5.6	3.5
2018	1.8	-1.3	0.4	2.7	0.2	-0.4	0.1	0.7
Previous estimates²								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3
2017	2.2	-0.3	-0.2	0.3	3.5	1.5	5.6	3.5
2018	1.8	-1.3	0.4	2.7	0.2	-0.4	0.1	0.7
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2017 Q1	0.7	-0.4	-0.6	1.4	1.0	-0.2	0.2	0.9
Q2	0.4	-0.1	0.5	-0.7	1.9	1.3	1.2	0.9
Q3	0.5	-0.6	0.1	-0.6	0.3	0.9	1.9	0.6
Q4	0.3	-0.1	-	0.3	0.7	0.4	0.1	-0.6
2018 Q1	0.5	-0.2	0.2	-0.7	-0.8	-0.6	-1.3	-0.6
Q2	0.5	-0.6	-0.4	3.3	-0.6	-0.4	-1.0	0.4
Q3	0.4	-0.5	-0.1	2.5	0.9	-0.6	0.9	0.7
Q4	0.3	-0.2	1.3	-0.4	-0.6	-0.9	1.6	2.1
2019 Q1	0.6	-0.7	0.8	16.3	1.2	0.4	1.5	10.8
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2017 Q1	0.7	-0.4	-0.6	1.4	1.0	-0.2	0.2	0.9
Q2	0.4	-0.1	0.5	-0.7	1.9	1.3	1.2	0.9
Q3	0.5	-0.6	0.1	-0.6	0.3	0.9	1.9	0.6
Q4	0.3	-0.1	-	0.3	0.7	0.4	0.1	-0.6
2018 Q1	0.5	-0.2	0.2	-0.7	-0.8	-0.6	-1.3	-0.6
Q2	0.5	-0.6	-0.4	3.3	-0.6	-0.4	-1.0	0.4
Q3	0.4	-0.5	-0.1	2.5	0.9	-0.6	0.9	0.7
Q4	0.3	-0.2	1.3	-0.4	-0.6	-0.9	1.6	2.1
2019 Q1	0.7	-0.5	1.4	11.1	2.1	0.5	-	6.8
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2017 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2019 Q1	-0.1	-0.2	-0.6	5.2	-0.9	-0.1	1.5	4

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

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

3 Non-profit institutions serving households

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

5 An error was discovered in the General Government Final Consumption Expenditure CVM figures during quality assurance. The most significant quarterly growth error is in 2005Q2 increasing growth by 2.3%. Figures in current prices in unaffected and the CVM data will be corrected in Blue Book 2019, the next time 2005 data are open to revision

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 ⁵	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 Q1	2.8	0.7	-0.7	2.2	3.5	1.2	4.4	4.8
Q2	2.3	-0.1	-0.1	4.1	3.8	1.6	4.7	5.1
Q3	1.6	-0.6	-	-5.1	2.6	0.9	10.2	2.5
Q4	2.0	-1.2	-	0.5	3.9	2.4	3.5	1.8
2018 Q1	1.7	-1.0	0.8	-1.7	2.1	1.9	1.9	0.3
Q2	1.9	-1.5	-0.1	2.2	-0.4	0.2	-0.3	-0.2
Q3	1.8	-1.4	-0.3	5.4	0.2	-1.3	-1.3	-0.1
Q4	1.7	-1.4	1.0	4.7	-1.1	-2.5	0.2	2.6
2019 Q1	1.9	-2.0	1.6	22.6	0.9	-1.5	3.0	14.3
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2017 Q1	2.8	0.7	-0.7	2.2	3.5	1.2	4.4	4.8
Q2	2.3	-0.1	-0.1	4.1	3.8	1.6	4.7	5.1
Q3	1.6	-0.6	-	-5.1	2.6	0.9	10.2	2.5
Q4	2.0	-1.2	-	0.5	3.9	2.4	3.5	1.8
2018 Q1	1.7	-1.0	0.8	-1.7	2.1	1.9	1.9	0.3
Q2	1.9	-1.5	-0.1	2.2	-0.4	0.2	-0.3	-0.2
Q3	1.8	-1.4	-0.3	5.4	0.2	-1.3	-1.3	-0.1
Q4	1.7	-1.4	1.0	4.7	-1.1	-2.5	0.2	2.6
2019 Q1	1.9	-1.8	2.2	17.2	1.7	-1.4	1.5	10.2
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2017 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2019 Q1	-	-0.2	-0.6	5.4	-0.8	-0.1	1.5	4.1

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

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

3 Non-profit institutions serving households

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

5 An error was discovered in the General Government Final Consumption Expenditure CVM figures during quality assurance. The most significant quarterly growth error is in 2005Q2 increasing growth by 2.3%. Figures in current prices in unaffected and the CVM data will be corrected in Blue Book 2019, the next time 2005 data are open to revision

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

Seasonally adjusted data

	Compensation 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
2016	3.8	4.5	3.4	4.0
2017	4.2	3.7	1.3	5.0
2018	4.2	0.1	4.4	2.8
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
2016	3.8	4.5	3.4	4.0
2017	4.2	3.7	1.3	5.0
2018	4.2	0.1	4.4	2.8
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2016	-	-	-	-
2017	-	-	-	-
2018	-	-	-	-
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KGI4	KH4W	KH6U	KH66
2017 Q1	0.8	2.2	0.7	-0.3
Q2	1.5	-3.9	0.3	2.9
Q3	0.7	1.5	0.2	2.3
Q4	1.0	2.1	0.6	-0.6
2018 Q1	1.0	0.1	1.6	-1.1
Q2	0.9	-2.5	1.5	4.1
Q3	1.6	1.2	1.4	-0.9
Q4	0.8	0.4	1.4	-0.3
2019 Q1	0.4	2.6	1.0	0.1
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2017 Q1	0.8	2.2	0.7	-0.3
Q2	1.5	-3.9	0.3	2.9
Q3	0.7	1.5	0.2	2.3
Q4	1.0	2.1	0.6	-0.6
2018 Q1	1.0	0.1	1.6	-1.1
Q2	0.9	-2.5	1.5	4.1
Q3	1.6	1.2	1.4	-0.9
Q4	0.8	0.4	1.4	-0.3
2019 Q1	0.9	2.5	1.1	-1.7
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2017 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2019 Q1	-0.5	0.1	-0.1	1.8

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

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

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

AG Annex G - Income components of GDP- growths and revisions from previous estimate^{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 Q1	5.7	3.3	1.9	3.4
Q2	4.2	3.9	0.6	5.1
Q3	2.9	5.9	1.0	7.3
Q4	4.1	1.7	1.8	4.3
2018 Q1	4.3	-0.4	2.7	3.5
Q2	3.7	1.1	3.9	4.7
Q3	4.6	0.8	5.1	1.5
Q4	4.4	-0.9	6.0	1.8
2019 Q1	3.8	1.7	5.4	3.0
Previous estimates²				
	A2CP	A2CQ	A2CR	A2CS
2017 Q1	5.7	3.3	1.9	3.4
Q2	4.2	3.9	0.6	5.1
Q3	2.9	5.9	1.0	7.3
Q4	4.1	1.7	1.8	4.3
2018 Q1	4.3	-0.4	2.7	3.5
Q2	3.7	1.1	3.9	4.7
Q3	4.6	0.8	5.1	1.5
Q4	4.4	-0.9	6.0	1.8
2019 Q1	4.3	1.5	5.5	1.1
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2017 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2019 Q1	-0.5	0.2	-0.1	1.9

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)