

Statistical bulletin

GDP quarterly national accounts, UK: July to September 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:
James Scruton
gdp@ons.gov.uk
+44 (0)1633 455284

Release date:
20 December 2019

Next release:
11 February 2020

Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [The UK economy grew by a revised 0.4% in Quarter 3 2019, following volatility in the first half of the year](#)
4. [There have been upward revisions to the output of all three main industries in Quarter 3 2019, with services output now estimated to have increased by 0.5%](#)
5. [Net trade was upwardly revised in Quarter 3 2019, resulting in a more pronounced narrowing of the trade deficit than previously estimated](#)
6. [Nominal GDP growth revised up compared with the first quarterly estimate](#)
7. [Revisions to GDP](#)
8. [How is the UK economy performing compared with other European and non-European countries?](#)
9. [Links to related statistics](#)
10. [Quality and methodology](#)

1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.4% in Quarter 3 (July to Sept) 2019, revised upwards by 0.1 percentage points from the first quarterly estimate.
- When compared with the same quarter a year ago, UK GDP increased by 1.1% to Quarter 3 2019; revised upwards by 0.1 percentage points from the previous estimate.
- At headline level, the GDP dataset is largely unrevised, with 0.1 percentage point revisions to Quarter 4 (Oct to Dec) 2018 and Quarter 3 2019; revisions reflect the inclusion of annual benchmarks from a number of sources for 2018 and the incorporation of administrative Value Added Tax turnover data in the output approach to measuring GDP for Quarter 2 (Apr to June) 2019.
- Services remained the strongest contributor to growth in the output approach to GDP in Quarter 3 2019; construction and production also contributed positively to growth.
- Household consumption and net trade contributed positively, while gross capital formation and government expenditure contributed negatively to GDP growth in Quarter 3 2019.
- GDP was estimated to have increased by 1.3% between 2017 and 2018; this has been revised downwards from the previous estimate of 1.4% and slowed from the 1.9% growth seen between 2016 and 2017.

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
- 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.

International Financial Reporting Standards (IFRS16)

In January 2019, a new reporting standard took effect for those businesses using the International Financial Reporting Standards (IFRS) accountancy framework. "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, there has been no change to national accounts standards on the treatment of leases.

We have carried out an exercise to assess the impact of IFRS16's introduction on GFCF and business investment estimates throughout the year. As a result, we made a downward adjustment of approximately £244 million to remove the quantified impact of its introduction in Quarter 1 (Jan to Mar) 2019, a downward adjustment of £133 million in Quarter 2 (Apr to June) 2019 and a downward adjustment of £188 million in Quarter 3 (July to Sept) 2019.

The assets most affected by the introduction of IFRS16 in Quarter 1 2019 were ICT equipment and other machinery and equipment. In our Quarter 2 and Quarter 3 2019 estimates, intellectual property products was the asset most affected. We will continue to monitor the impact of IFRS 16's introduction for future releases.

Quarterly Stocks Inquiry temporary expansion

The Quarterly Stocks Inquiry is used in the compilation of the changes in inventories component. To address users' concerns about the sample size of the Inquiry and the potential impact on quality, we temporarily increased the sample size from 5,500 to 9,500 businesses for Quarter 2 and Quarter 3 2019 to assist understanding of changes in stocks in preparation for the UK's planned departure from the EU. We have decided to extend this sample boost into Quarter 4 (Oct to Dec) 2019, and will assess whether to extend this further in due course. Our early analyses have shown that the introduction of this increased sample has not caused any significant discontinuity in estimates of changes in inventories.

3 . The UK economy grew by a revised 0.4% in Quarter 3 2019, following volatility in the first half of the year

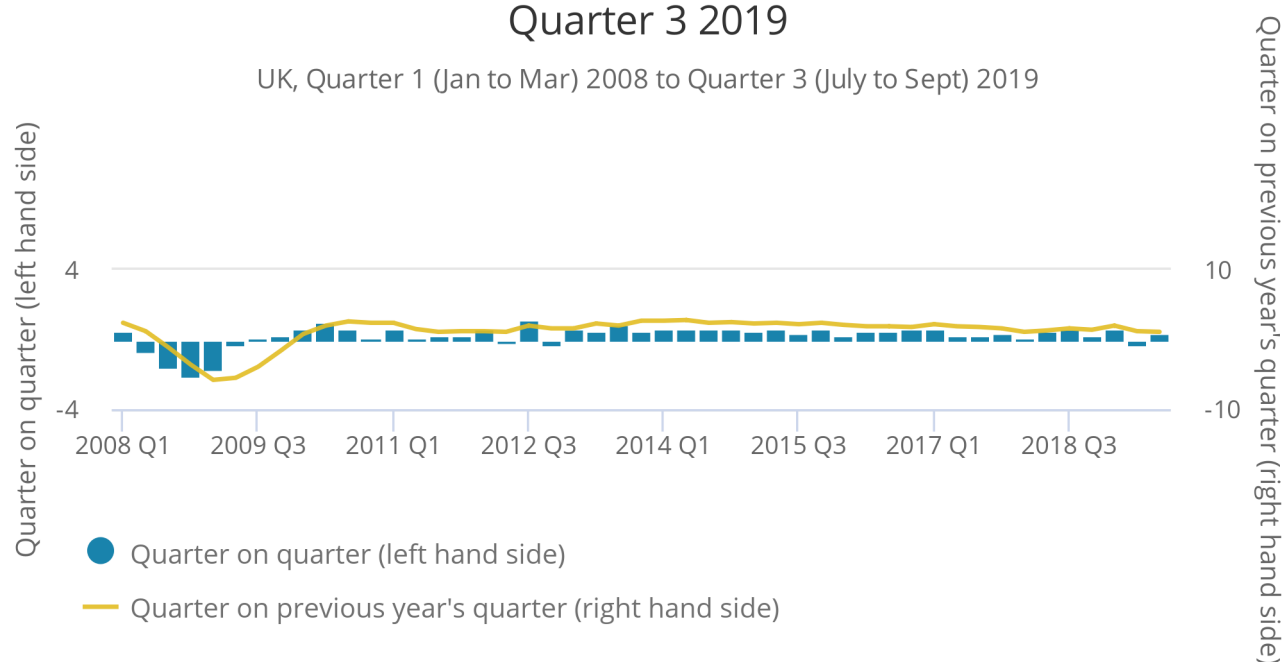
UK gross domestic product (GDP) increased by 0.4% in Quarter 3 (July to Sept) 2019, upwardly revised by 0.1 percentage points compared with the [first quarterly estimate](#) as a result of broad-based increases to the output components of GDP. This follows volatility in the first half of the year, which largely reflected changes in the timing of activity related to the UK's original planned exit date from the European Union in late March (Figure 1). The underlying momentum in the UK economy continued to show some signs of slowing; compared with the same quarter a year ago, the UK economy has grown by 1.1%.

Figure 1: Real GDP increased by an upwardly revised 0.4% in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 3 (July to Sept) 2019

Figure 1: Real GDP increased by an upwardly revised 0.4% in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 3 (July to Sept) 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 chained volume estimates that are adjusted for the effects of inflation over time.

Nominal GDP growth has continued to slow of late. It increased by a revised 0.7% in Quarter 3 2019, easing from the 0.9% recorded in the previous quarter. The implied GDP deflator represents the broadest measure of inflation in the domestic economy, reflecting changes in the price of all goods and services that make up GDP. This includes the price movements in private and government consumption, investment, and the relative price of exports and imports. The implied deflator slowed notably in Quarter 3 compared with the previous quarter, increasing by 0.3%.

Compared with the same quarter a year ago, the implied GDP deflator increased by an unrevised 2.0%. The easing in the implied GDP deflator predominantly reflects a slowing in the price of household consumption because of a slowing in the implied deflators of alcohol and tobacco, housing, transport, communication, and recreation and culture. Movements in the implied deflator are in line with recent movements in [consumer price inflation](#).

In line with the [National Accounts Revisions Policy](#), all quarters from Quarter 1 (Jan to Mar) 2018 onwards are open for revision. Figure 2 shows that the revised figures continue to exhibit the volatility through 2019. There has been a downwards revision to real GDP growth in Quarter 4 (Oct to Dec) 2018, while annual growth in 2018 has been revised down 0.1 percentage points to 1.3%. There has also been an upward revision to real GDP growth in Quarter 3 2019, in which the UK economy is now estimated to have grown by 0.4%.

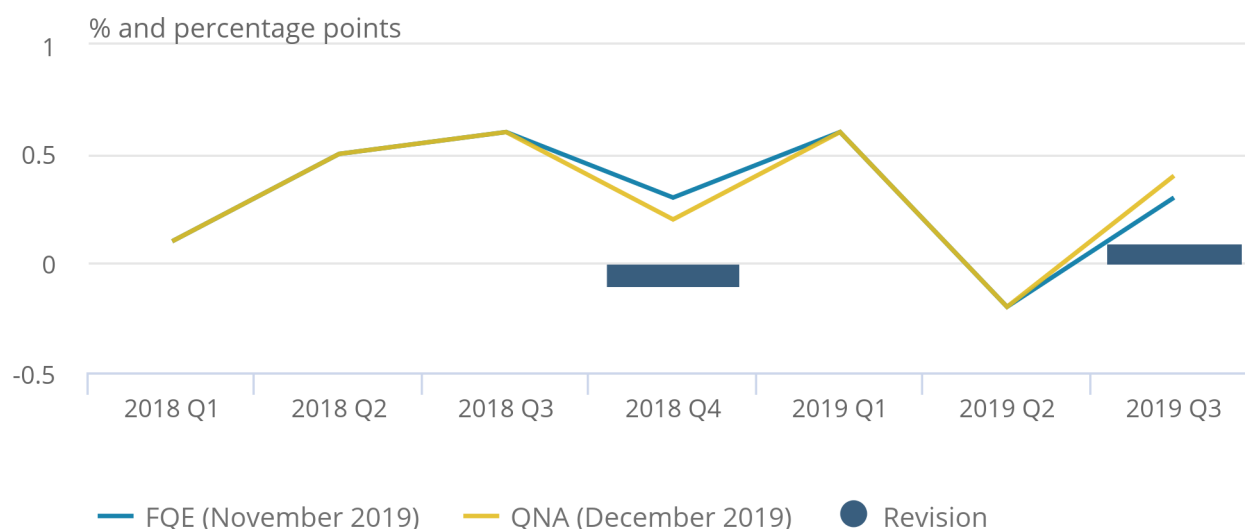
The revisions made in this publication reflect a variety of factors, including new survey data, new Value Added Tax (VAT) turnover data, updates to seasonal factors and the inclusion of annual benchmarks. It also reflects the incorporation of improved estimates [of mixed income](#). More information on the reasons for revisions in this release can be found in the revisions to GDP section of this bulletin.

Figure 2: There have been revisions to real GDP in Quarter 4 2018 and Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 2: There have been revisions to real GDP in Quarter 4 2018 and Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 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 chained volume estimates that are adjusted for the effects of inflation over time.
3. FQE refers to GDP first quarterly estimate, QNA refers to GDP quarterly national accounts.

Table 1: Headline economic indicators for the UK
UK, Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 2019

% growth

	Chained volume measures				Current market prices		
	GDP	Household expenditure	Gross fixed capital formation	GDP per head	GDP	Compensation of employees	GDP implied deflator
Seasonally adjusted							
2017	1.9	2.3	1.6	1.3	3.8	4.3	1.9
2018	1.3	1.6	-0.2	0.7	3.5	4.4	2.1
Q1 2017	0.6	0.5	0.0	0.4	1.2	0.8	0.6
Q2 2017	0.3	0.3	1.4	0.1	0.4	1.6	0.2
Q3 2017	0.3	0.4	-0.4	0.2	0.4	1.1	0.1
Q4 2017	0.4	0.3	1.1	0.2	1.4	0.7	1.0
Q1 2018	0.1	0.4	-1.2	-0.1	0.7	1.2	0.6
Q2 2018	0.5	0.6	-0.2	0.4	1.0	0.8	0.5
Q3 2018	0.6	0.4	0.3	0.4	1.1	1.5	0.5
Q4 2018	0.2	0.2	-0.1	0.1	0.4	1.5	0.2
Q1 2019	0.6	0.2	1.1	0.5	1.0	0.4	0.4
Q2 2019	-0.2	0.5	-0.6	-0.3	0.9	1.6	1.1
Q3 2019	0.4	0.3	0.2	0.3	0.7	1.0	0.3

Source: Office for National Statistics

Notes

1. Percentage change on previous period. [Back to table](#)
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec). [Back to table](#)
3. Population data are consistent with the 26 June 2019 published estimates. [Back to table](#)

4 . There have been upward revisions to the output of all three main industries in Quarter 3 2019, with services output now estimated to have increased by 0.5%

The output measure of gross domestic product (GDP) grew by 0.4% in Quarter 3 (July to Sept) 2019. Services output increased by a revised 0.5% in Quarter 3 2019, following the weakest quarterly figure in three years in the previous quarter. Manufacturing grew by 0.1% in Quarter 3 2019, as did production output. Construction output experienced a pickup following a weak Quarter 2 (Apr to June), increasing by 1.2% (Figure 3).

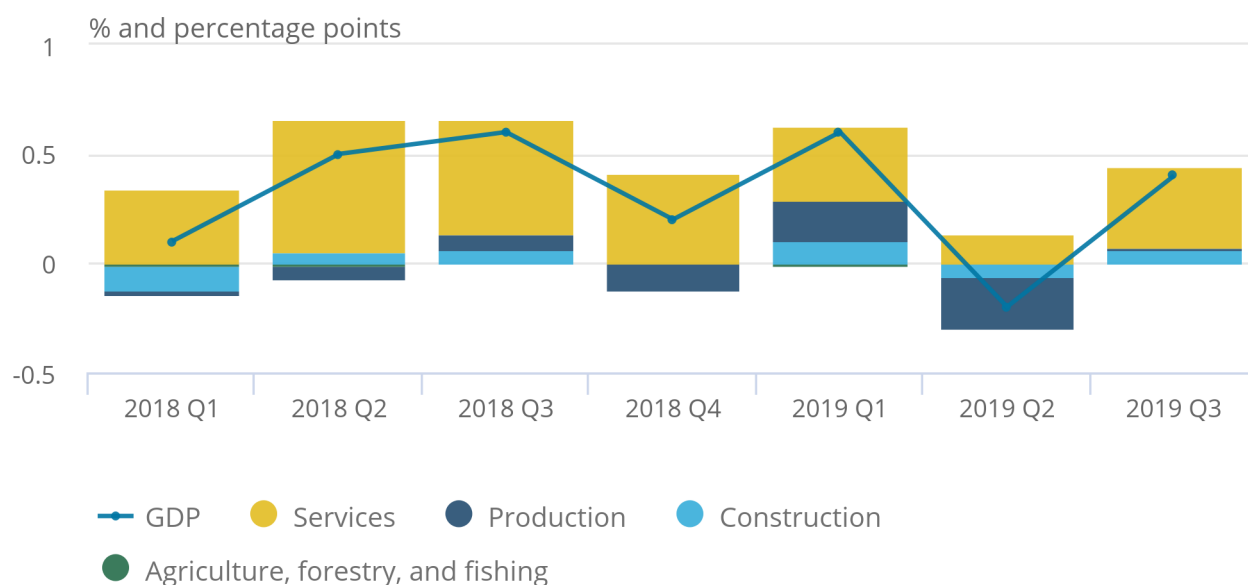
These revised estimates continue to show that there was a period of increased volatility in the first half of the year relating to the UK's original planned exit date from the European Union. This likely reflects the effects of bringing forward activity in the first quarter of the year, and the decline in car production following widespread car plant shutdowns in April. This has been most evident in the quarterly movements in manufacturing output, which increased by 2.4% in Quarter 1 (Jan to Mar) 2019, followed by a fall of 2.6% in Quarter 2 2019.

Figure 3: There has been a pickup in services and construction growth, while production sector output was broadly flat in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 3: There has been a pickup in services and construction growth, while production sector output was broadly flat in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

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

There have been some revisions to the components of the output measure of GDP throughout 2018 and 2019, although the cumulative effect is relatively minor (Figure 4). Services output is now estimated to have grown by 2.0% in 2018, downwardly revised by 0.1 percentage point. There have been upward revisions to services growth in Quarter 2 2019, driven by updated VAT turnover data, new survey returns and updates to seasonal adjustment.

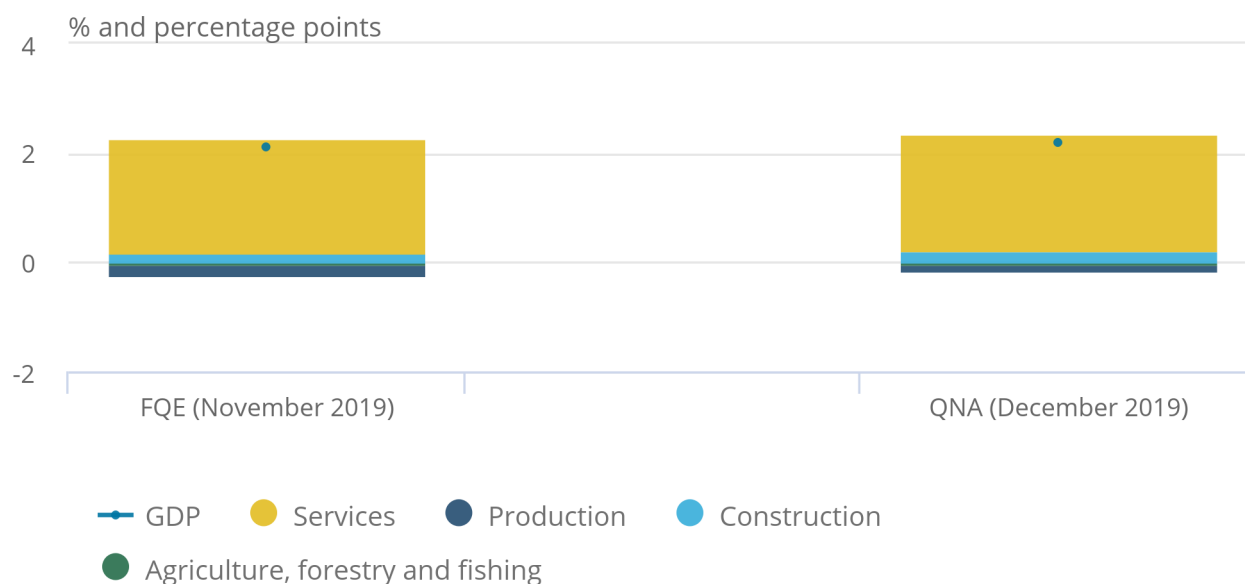
Growth in production output in 2018 has been upwardly revised by 0.7 percentage points to 0.8%. There have also been upward revisions to all three quarters in 2019, reflecting updated VAT turnover in Quarter 2, new survey returns and updates to seasonal factors. Annual growth in 2018 for construction output is now estimated to be flat.

Figure 4: Despite revisions to the output components of GDP, the cumulative effect on growth since Quarter 1 2018 is relatively minor

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 4: Despite revisions to the output components of GDP, the cumulative effect on growth since Quarter 1 2018 is relatively minor

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 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. FQE refers to GDP first quarterly estimate, QNA refers to GDP quarterly national accounts.
3. Data are volume estimates that are adjusted for the effects of inflation over time.
4. Components contributions may not sum to total because of rounding.

Service output increased by an upwardly revised 0.5% in Quarter 3 2019, a pickup from the loss in momentum that has been evident over the previous year. Compared with the same quarter in the previous year, services output increased by 1.6% – the weakest since the Quarter 1 of 2018. The easing has also been reported in the [Quarter 3 2019 Bank of England Agents' summary](#), which recorded how business services continued to grow at a modest rate, with weaker demand for transaction-related services, partially offset by strong demand for IT services. The [Services sector PMI \(PDF, 183.25KB\)](#) also reported a decline in activity in September 2019, with survey respondents attributing the decline to political uncertainty.

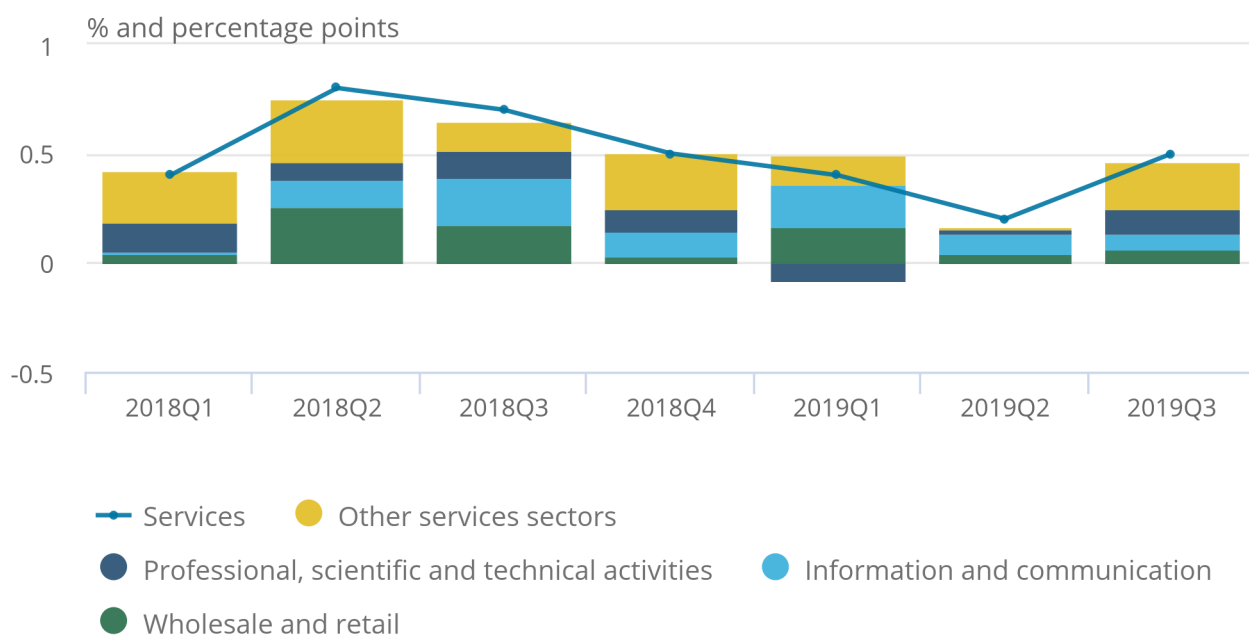
The quarterly increase has been driven by growth in all four of the main service industries shown in Figure 5, with the most notable contribution to growth coming from “other services”. This increase reflected a 0.8% increase in human health and social work activities alongside a 1.2% increase in financial and insurance activities, which grew following five consecutive quarters of decline. It should be noted that early estimates are reliant on a higher level of forecast content. These increases more than offset the most notable declines in other industries such as accommodation and food services in Quarter 3 2019.

Figure 5: Service sector growth increased by an upwardly revised 0.5% in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 5: Service sector growth increased by an upwardly revised 0.5% in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

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

The wholesale, retail and motor trades sector increased by 0.4% in Quarter 3 2019, partially a result of an increase in the retail industry, with [official retail sales](#) figures showing a 0.6% pickup in Quarter 3 2019. Looking at external indicators, the British Retail Consortium (BRC) reported a 1.3% decline in year-on-year sales in September 2019, while the [CBI reported a decline in retail sales volumes](#) for the fifth consecutive month, citing the tough retail conditions and the recent sterling depreciation as the main factors. When comparing external indicators, it should be noted that there are [different methodological factors that can affect comparability](#) with official figures.

The volatility throughout the first half of 2019 has been particularly pronounced in the production sector. Despite some revisions in this publication, the overall narrative has remained relatively unchanged. Following an increase of 1.3% in Quarter 1 2019, production output fell by 1.7% in Quarter 2 2019 (Figure 6). Production output remained largely flat in Quarter 3, increasing by an upwardly revised 0.1%.

The trends throughout 2019 have broadly reflected movements in the manufacturing industry, which experienced volatility in the first half of the year. This was consistent with activity being brought forward ahead of the UK's original intended European Union departure date, followed by a slowdown in activity in Quarter 2 exacerbated by widespread car plant shutdowns in April.

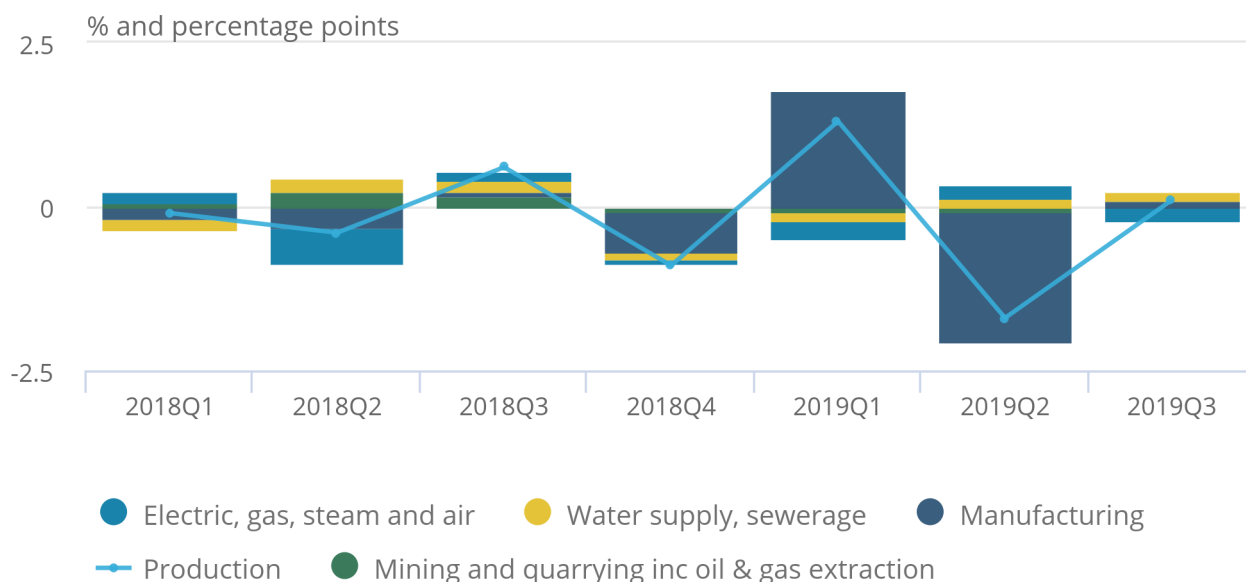
The subdued performance of the manufacturing sector in the three months to September – in which output grew 0.1% – has also been recorded by the recent [CBI Industrial Trends Survey](#), which noted that stock levels were above adequate, as uncertainty and the ongoing global manufacturing slowdown continued to have an adverse effect on manufacturers. The British Chambers of Commerce [reported a deterioration in manufacturing activity](#), reporting how the “manufacturing sector continues to toil under the weight of diminishing cashflow, weakening global demand and disrupted supply chains.”

Figure 6: Following volatility in the first half of 2019, production output was relatively flat in Quarter 3

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 6: Following volatility in the first half of 2019, production output was relatively flat in Quarter 3

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

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

Mining and quarrying output fell for the fourth consecutive quarter in Quarter 3 2019, decreasing by 0.1%. However, the decline in mining and quarrying is not as pronounced as initially estimated in the first quarterly estimate, with growth revised up 1.6 percentage points as a result of the inclusion of additional data from the Department for Business, Energy and Industrial Strategy. Following some volatility in the first half of 2019, electricity, gas, steam and air conditioning fell by a revised 1.8% in Quarter 3. Water supply and sewerage production grew by 1.6% in Quarter 3 2019.

Construction output increased by an upwardly revised 1.2% in Quarter 3 2019, following a 1.0% decline in Quarter 2. The latest [Bank of England Agents' summary of business conditions](#) reported strength in residential construction, with the development of lower-priced properties remaining strong, supported by the Help to Buy schemes.

5 . Net trade was upwardly revised in Quarter 3 2019, resulting in a more pronounced narrowing of the trade deficit than previously estimated

The expenditure measure of gross domestic product (GDP) increased by 0.4% in Quarter 3 (July to Sept) 2019. Private consumption (which consists of both household expenditure and non-profit institutions serving households (NPISH) expenditure) and net trade contributed positively to growth in the latest quarter, while there were falls in government consumption and gross capital formation (Figure 7).

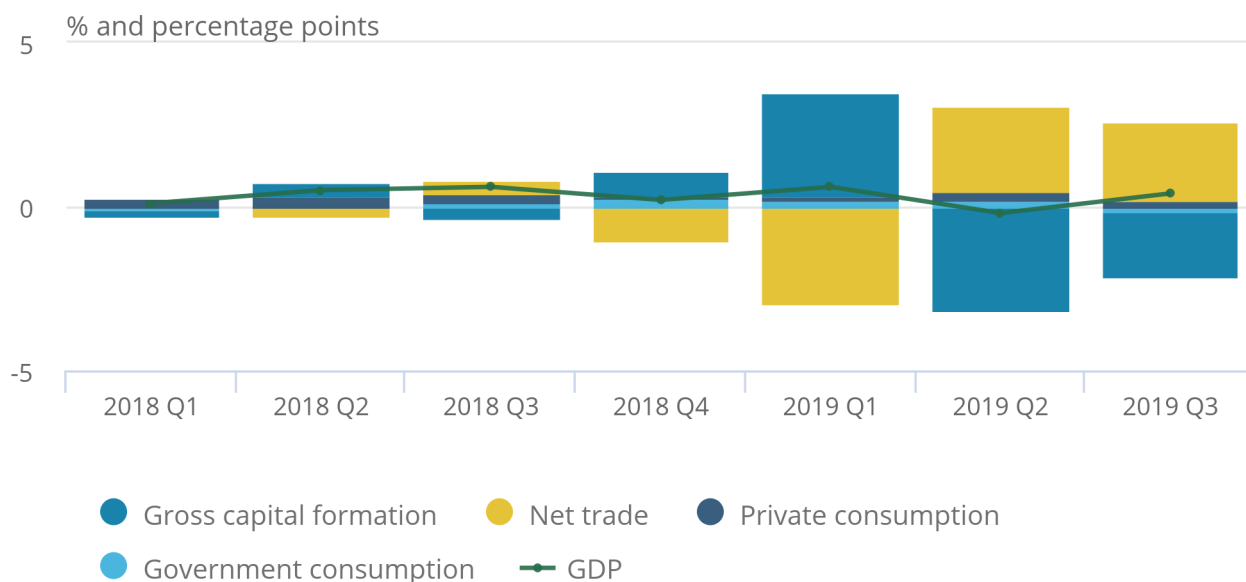
There have been some revisions to the expenditure components in the latest quarter, most notably to gross capital formation and net trade. Gross capital formation is now estimated to have fallen by 11.4% in Quarter 3 2019, reflecting revisions to changes in inventories. Meanwhile, net trade is estimated to have made a larger positive contribution than previously estimated in Quarter 3 2019, resulting in a more pronounced narrowing of the trade deficit.

Figure 7: Private consumption and net trade contributed positively to growth in Quarter 3 2019, while government consumption and gross capital formation subtracted from growth

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 7: Private consumption and net trade contributed positively to growth in Quarter 3 2019, while government consumption and gross capital formation subtracted from growth

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

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

Looking across the entire period open to revision since Quarter 1 (Jan to Mar) 2018, cumulative GDP growth is largely unrevised. The latest estimates show that GDP has increased by 2.2% since Quarter 1 2018, slightly revised from 2.1% in the previous estimate (Figure 8). However, there have been some offsetting revisions to lower-level estimates of expenditure. The latest figures mean that net trade is now estimated to have added 1.2 percentage points to GDP growth over this period compared with the almost flat contribution in the previous estimate.

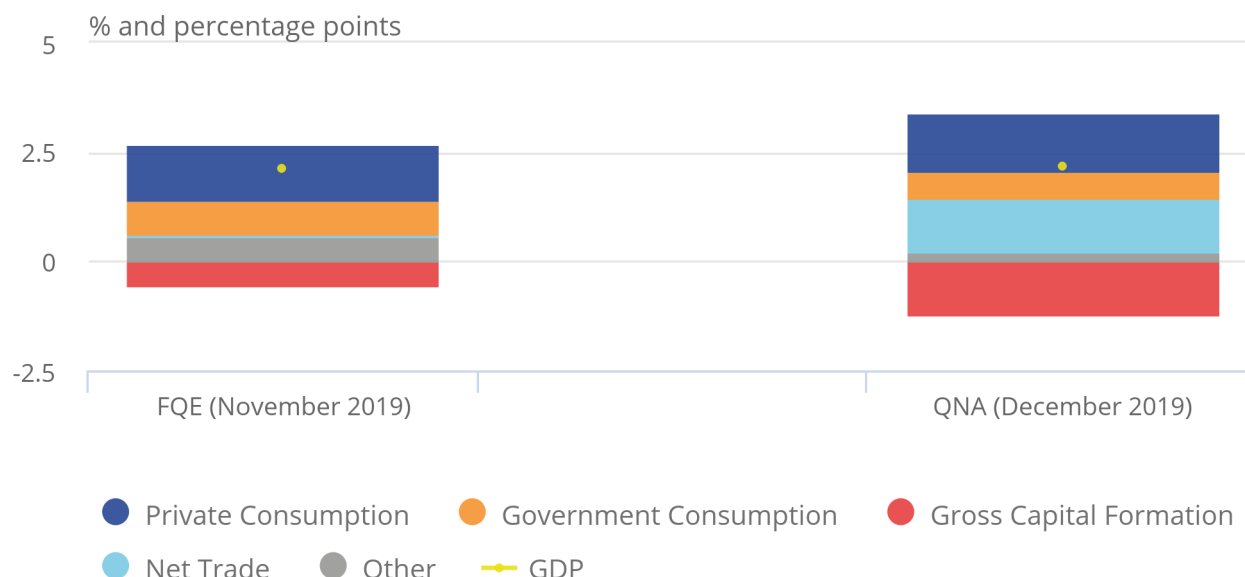
Gross capital formation is now estimated to have subtracted 1.2 percentage points from GDP growth since Quarter 1 2018 compared with the negative contribution of 0.5 percentage points previously recorded.

Figure 8: There has been a small revision to cumulative GDP growth since Quarter 1 2018, with more notable revisions to lower-level estimates of expenditure

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 8: There has been a small revision to cumulative GDP growth since Quarter 1 2018, with more notable revisions to lower-level estimates of expenditure

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 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. FQE refers to GDP first quarterly estimate, QNA refers to GDP quarterly national accounts.
3. Data are volume estimates that are adjusted for the effects of inflation over time.
4. Components contributions may not sum to total because of rounding.
5. "Other" captures the statistical discrepancy.

Household consumption increased by 0.3% in Quarter 3 2019, a slight downward revision from the previous estimate, and is broadly in line with the recent relatively subdued trend. The increase was mainly driven by higher spending on transport, restaurants and miscellaneous goods and services. This is corroborated by the moderate pace of growth in [retail sales](#) of 0.6% in Quarter 3 2019.

There have been small revisions to household consumption throughout the open period reflecting new data from a range of data sources in a number of areas including transport and recreation and culture. The annual household consumption growth figure remains unrevised at 1.6%. The [consumer trends, UK: July to September 2019](#) release provides further information on the latest movements in household consumption.

External survey evidence, such as the [latest Bank of England Agents' summary of business conditions](#), notes the weakness in retail sales in Quarter 3 compared with a year ago, citing “base effects from strong sales a year ago when there was a boost from warm weather and the football World Cup”. Meanwhile, the [GfK Consumer Confidence Index](#) was at negative 12 in September 2019 as “consumers continue to feel less than positive about the state of their personal finances and the general economy”.

Government consumption fell by a revised 0.6% in Quarter 3 2019, mainly driven by public administration. The latest central government expenditure figures are principally derived from a snapshot of HM Treasury’s public spending database, OSCAR (Online System for Central Accounting and Reporting), which collects financial information from central government departments. The latest expenditure outturn data are lower than previous budgetary forecasts, most notably in public administration. Expenditure by local government bodies is mainly collected by the Ministry of Housing, Communities and Local Government (MHCLG), the Scottish Government and the Welsh Government. There have been small revisions reflecting the inclusion of final outturn data for the financial year ending 2019 for England and Wales.

Trade imports and exports have been volatile in the first half of 2019, in part reflecting the effects of movements of “unspecified goods”, which includes non-monetary gold. In Quarter 3 2019, there was a more pronounced narrowing of the trade deficit than previously estimated (Figure 9). The latest trade estimates include new data from the International Trade in Services (ITIS) survey which has affected both trade in goods and trade in services. This shows that the UK trade deficit narrowed to 0.1% of nominal GDP in Quarter 3 2019 compared with the previous estimate of 1.2%. As a percentage of GDP, this is the lowest trade deficit since Quarter 4 1997.

The narrowing of the trade deficit reflects strong export volume growth of 7.9% in Quarter 3, reflecting upward revisions to trade in goods exports – in particular, revisions to machinery and transport equipment and chemicals – and to trade in services exports. These revisions reflect updated estimates of exports of telecommunications and other business services and finance.

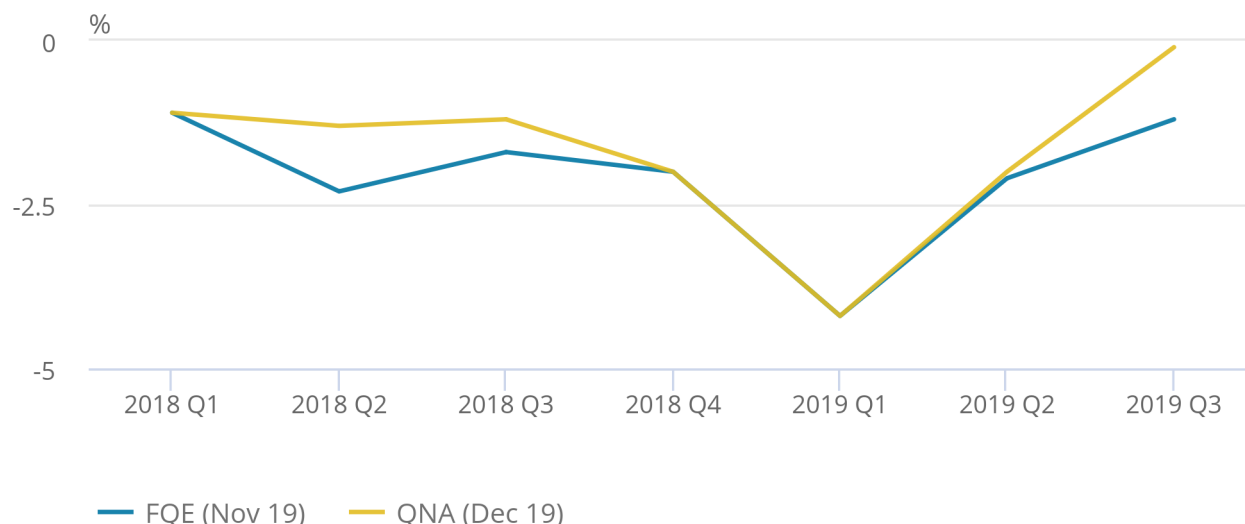
Import volumes fell by 0.3% in Quarter 3 2019, in contrast to the previous estimate of an increase of 0.8%. The [UK trade: October 2019](#) release provides further information on the latest movements in trade estimates.

Figure 9: The trade deficit narrowed to 0.1% of nominal GDP in Quarter 3 2019, a more pronounced narrowing than previously estimated

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

Figure 9: The trade deficit narrowed to 0.1% of nominal GDP in Quarter 3 2019, a more pronounced narrowing than previously estimated

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. The trade deficit is calculated using current price estimates of GDP and net trade.
3. FQE refers to GDP first quarterly estimate, QNA refers to GDP quarterly national accounts.

Gross fixed capital formation (GFCF) increased by a revised 0.2% in Quarter 3 2019, while the latest estimates show that business investment was flat in this quarter, continuing its recent subdued performance (Figure 10). External evidence suggests that investment intentions remained weak in Quarter 3 2019; for example, the [latest Bank of England Agents' Summary of business conditions](#) reports that investment intentions remained at a nine-year low in the third quarter as “Brexit uncertainty continued to dampen companies' appetite to invest”.

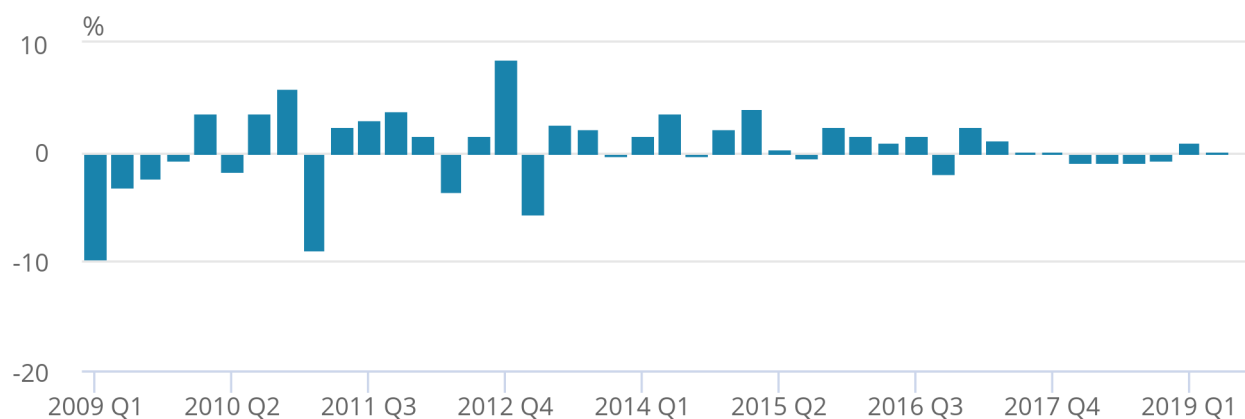
Despite revisions to the quarterly path, the latest estimates continue to show four consecutive quarters of a fall in business investment throughout 2018. These data are seasonally adjusted using data from multiple years to derive adjustments for each quarter. We have seen some unusual seasonal behaviour through the quarters of 2019, therefore there is some heightened uncertainty around business investment estimates at this time. When data for the fourth quarter of 2019 become available, we will be able to deliver a better view of the profile in 2019. The [business investment in the UK: July to September 2019](#) release provides further information on the recent movements in business investment.

Figure 10: Business investment was flat in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2009 to Quarter 3 (July to Sept) 2019

Figure 10: Business investment was flat in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2009 to Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Business investment refers to quarter-on-quarter growth in volume estimates of business investment.

The latest estimates show that government investment fell by 0.4% in Quarter 3 2019, an upward revision of the previous estimate of a 1.8% decline. Government investment figures have been downwardly revised in three quarters of 2018. It is now estimated to have increased by 1.3% in 2018 compared with 2.1% in the previous estimate.

Alignment and balancing adjustments are typically applied to the inventories component to help balance the different approaches to GDP – more detail on these can be found in the Quality and methodology section of this publication. When these adjustments are removed, today's estimates show a decrease of £5.8 billion in stocks being held by UK companies in Quarter 3 2019 (Table 2).

Table 2: Change in inventories, including and excluding balancing and alignment adjustments
UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

	Changes in inventories	Of which alignment	Of which balancing	Changes in inventories excluding alignment and balancing
2018 Q1 Current prices	-783	-739	-500	456
Chained volume measure	-2706	-713	-2000	7
2018 Q2 Current prices	-1	1620	-2000	379
Chained volume measure	-957	1560		-2517
2018 Q3 Current prices	-77	-2085	500	1508
Chained volume measure	-2985	-1997	-500	-488
2018 Q4 Current prices	3993	1204	1000	1789
Chained volume measure	1154	1150	1750	-1746
2019 Q1 Current prices	4997	-1655	-375	7027
Chained volume measure	3181	-1576	-2250	7007
2019 Q2 Current prices	3455	1319	750	1386
Chained volume measure	360	1242	1500	-2382
2019 Q3 Current prices	-5264	-1924	250	-3590
Chained volume measure	-8400	-1805	-750	-5845

Source: Office for National Statistics

Notes

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

Movements in inventories earlier in the year support the narrative of the stockpiling and subsequent unwinding of stocks in the first two quarters of the year. Excluding alignment adjustment, stocks held by UK companies increased in Quarter 1 2019 as stocks were built up and subsequently decreased in Quarter 2 and Quarter 3 2019, as stocks were run down. This is corroborated by external evidence, such as the [Bank of England's Agents' Summary](#) which showed that “around half of all respondents had been building inventories as part of their contingency planning for Brexit” in Quarter 1 2019.

Similarly, the [Markit UK Manufacturing PMI \(PDF, 148KB\)](#) for June 2019 reported that “the impact of firms unwinding stockpiles built before the original Brexit date continued to reverberate through the sector and exacerbate weak demand”.

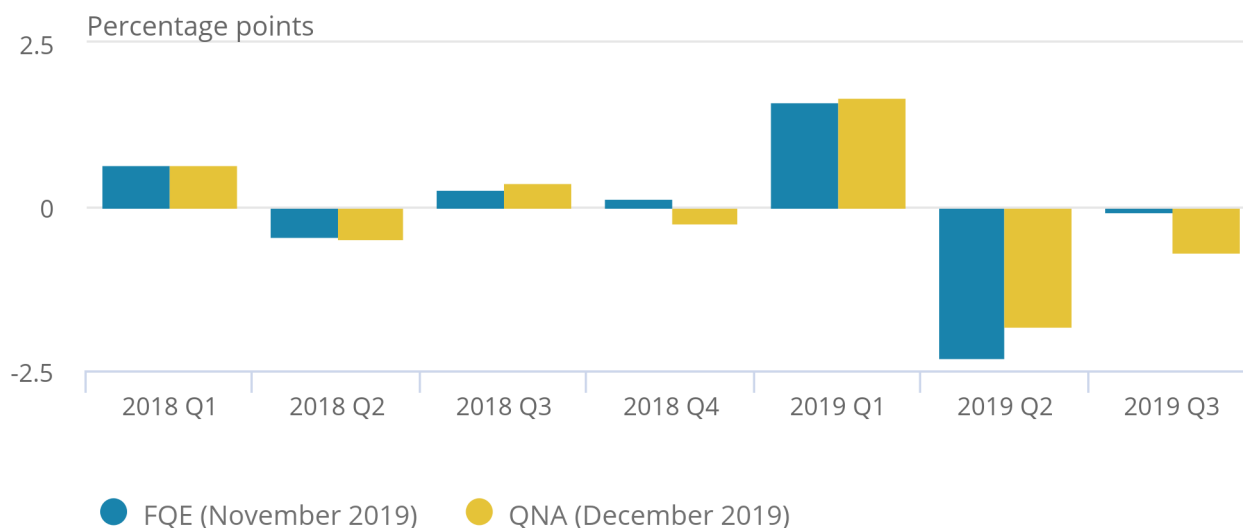
Figure 11 shows the contribution of changes in inventories – excluding balancing and alignment adjustments – to GDP growth. Despite the revisions to inventory estimates from Quarter 1 2018 onwards, the recent narrative around stockpiling providing a boost to growth in Quarter 1 2019, and the subsequent unwinding of stocks subtracting from growth in Quarter 2 2019 still holds.

Figure 11: Despite revisions, there was still a boost to growth from stockpiling in Quarter 1 2019 followed by unwinding of stocks in the second quarter which subtracted from growth

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

Figure 11: Despite revisions, there was still a boost to growth from stockpiling in Quarter 1 2019 followed by unwinding of stocks in the second quarter which subtracted from growth

UK, Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 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 the contribution of changes in inventories (excluding alignment and balancing adjustments) to real GDP growth.
3. FQE refers to GDP first quarterly estimate, QNA refers to GDP quarterly national accounts.

6 . Nominal GDP growth revised up compared with the first quarterly estimate

Nominal gross domestic product (GDP) grew by 0.7% in Quarter 3 (July to Sept) 2019, an upward revision of 0.2 percentage points. The quarterly increase was driven by compensation of employees (CoE) and gross operating surplus (GOS) of corporations (Figure 12). Revisions throughout 2018 have led to annual nominal GDP growth in 2018 being revised up to 3.5% from the previous estimate of 3.3%.

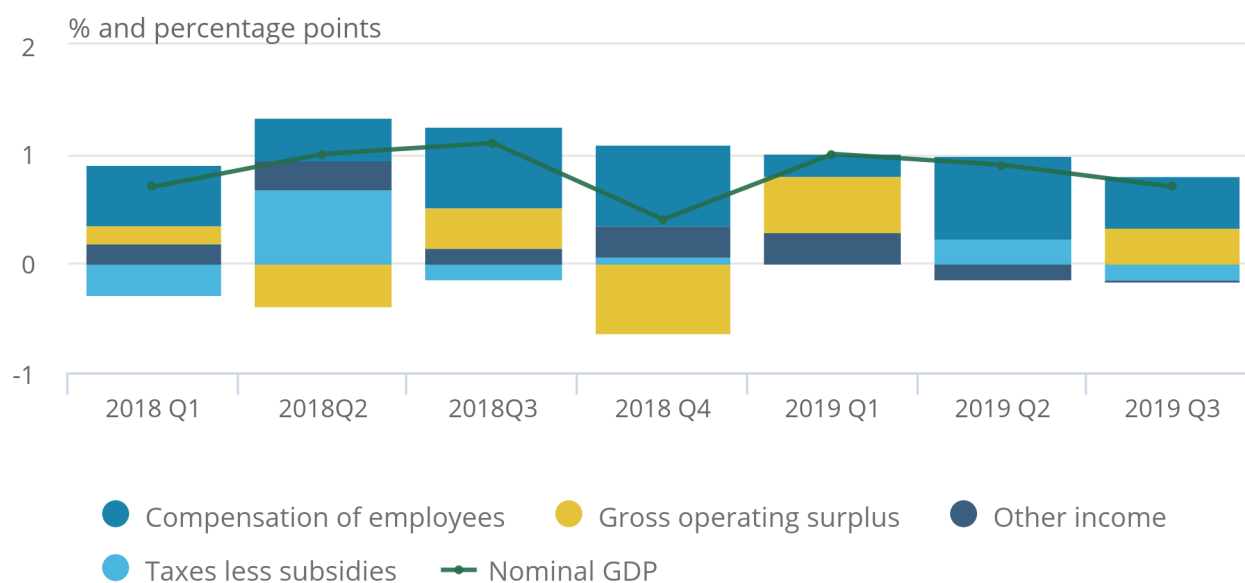
Compensation of employees increased by 1.0% in Quarter 3 2019, a slight upward revision reflecting outturns on employer social contribution replacing forecast data. Annual growth in CoE in 2018 is now estimated at 4.4%. Mixed income fell by 0.3% in Quarter 3 2019. There have been downwards revisions to mixed income throughout all the quarters open for revision. More information on these revisions can be found in the recently published [review of households' mixed income estimates](#).

Figure 12: Compensation of employees and gross operating surplus of corporations made a positive contribution to growth in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 and Quarter 3 (July to Sept) 2019

Figure 12: Compensation of employees and gross operating surplus of corporations made a positive contribution to growth in Quarter 3 2019

UK, Quarter 1 (Jan to Mar) 2018 and Quarter 3 (July to Sept) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

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

Gross operating surplus (GOS) of corporations increased by an upwardly revised 1.7% in Quarter 3 2019, reflecting GOS of private non-financial corporations which grew 0.9% (excluding the alignment adjustment). However, the latest [Quarterly Economic Survey](#) from the British Chambers of Commerce (BCC) reports that “indicators for business confidence in turnover and profitability among manufacturers dropped to an eight-year low”, while the balance of service sector firms confident in turnover and profitability improvements also fell in Quarter 3 2019. Meanwhile, GOS of financial corporations increased by 4.2% in Quarter 3 2019 following a decline of 13.3% in the previous quarter.

7 . Revisions to GDP

This release includes the processing and gross domestic product (GDP) balancing of a number of annual benchmarks for 2018 including:

- annual International Trade in Services Survey (calendar year 2018)
- financial inquiries surveys (calendar year 2018)
- local government final outturn data for England and for Wales (financial year ending March 2019)
- annual Living Costs and Food survey (LCF) data (financial year ending March 2019)

The impact of the revised annual estimate does not have to be equally apportioned across the four quarters, as statistical consideration has to be given to the pre-existing quarterly path and the impact of seasonal adjustment. These updates will help to improve the quality of our estimates where we are able to replace forecast and short-term estimates with more comprehensive annual survey data.

We have also incorporated Value Added Tax (VAT) turnover data up to Quarter 2 (Apr to June) 2019 to estimate the output of small businesses for some industries in the output approach to gross domestic product (GDP). VAT turnover has only been used to estimate growth rates, with the overall level of output still derived from the Annual Business Survey and other annual benchmark sources.

In addition to the annual benchmarks and integration of VAT turnover, there are also revisions in this release because of the replacement of forecasts with actual survey or external source data and new seasonal adjustment factors.

Revisions to output

VAT turnover estimates for Quarter 2 2019 have been included in this release for the first time. These affect the Index of Services, Index of Production and Construction output estimates. Revisions to the monthly path for the short-term indicators will become consistent with this publication on 10 January 2020.

Revisions to the insurance (65.1 to 2) industry are because of the incorporation of annual benchmarks from our financial inquiries surveys.

Detailed revisions to the sectors of output are shown in Table AE.

Revisions to expenditure components

Household final consumption expenditure (HHFCE) revisions are because of a number of factors, including updating annual 2018 Living Costs and Food survey (LCF) estimates across a number of Classification of Individual Consumption by Purpose (COICOP) categories. Revisions to net tourism are in part because of the replacement of forecast International Passenger Survey (IPS) estimates from Quarter 2 2018 with actual estimates of the inclusion of updated annual International Trade in Services (ITIS) survey data.

The main reason for revisions to trade estimates was because of the inclusion of the 2018 annual Survey of International Trade in Services (ITIS). This replaces earlier estimates from the quarterly ITIS surveys which have a smaller sample size. The annual ITIS incorporates a larger sample size than the quarterly ITIS survey that is typically used. The inclusion of the 2018 annual ITIS survey resulted in revisions to both goods and services for 2018 and 2019, as changes have been made to the 2019 data rebased on 2018 data.

The annual ITIS survey has also made methodological improvements that resulted in changes to data. Because of the size of these changes, these improvements are not included in this release, until we can take steps to ensure a consistent back series. Further information on the methodological improvements as well as the improved data will be published in 2020. These revisions are consistent with the 10 December 2019 [UK Trade release](#).

Revisions to government expenditure and investment are because of the inclusion of new information. Government departments provide updates when actual spend (outturn) data become available and replace budgetary information. The main contributor to revision in this quarter is Central Government departments predominately within public administration. Additionally, there are smaller revisions in Local Government following the inclusion of final outturn data for England and for Wales (financial year ending 2019).

Detailed revisions to the expenditure components are shown in Table AF.

Revisions to income components

Downward revisions to mixed income are due to improved methods as discussed in the article '[A review of households' missed income estimates and plans for upcoming improvements](#)' published on 3 December 2019. Results in this release are largely consistent with the indicative impacts shown in the article, where they differ it is largely due to the incorporation of revised estimates. Latest estimates reflect the impact of the new mixed income method, source data revisions since the previous publication and the resultant change to the seasonally adjusted estimates from Quarter 1 2018.

There have been revisions to the gross operating surplus of financial corporations component because of updated annual benchmark figures for 2018 from our financial inquiries surveys.

Detailed revisions to the income components are shown in Table AG.

8 . 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 3 (July to Sept) 2019

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2017	0.7	0.6	0.8	0.8	1.2	0.6	0.6	1.2	1.1	0.6
Q2 2017	0.7	0.7	0.5	0.7	0.6	0.4	0.3	1.2	0.4	0.5
Q3 2017	0.7	0.8	0.7	0.7	0.9	0.4	0.3	0.4	0.7	0.8
Q4 2017	0.7	0.8	0.7	0.7	0.7	0.5	0.4	0.4	0.3	0.9
Q1 2018	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.5	-0.5	0.6
Q2 2018	0.4	0.3	0.6	0.2	0.4	-0.1	0.5	0.4	0.5	0.9
Q3 2018	0.3	0.2	0.4	0.3	-0.1	-0.1	0.6	0.6	-0.6	0.7
Q4 2018	0.4	0.3	0.3	0.4	0.2	0.1	0.2	0.2	0.3	0.3
Q1 2019	0.5	0.4	0.6	0.3	0.5	0.1	0.6	0.2	0.6	0.8
Q2 2019	0.2	0.2	0.3	0.3	-0.2	0.1	-0.2	0.9	0.5	0.5
Q3 2019	0.3	0.2	0.4	0.3	0.1	0.1	0.4	0.3	0.4	0.5

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

Notes

1. Table shows quarter-on-quarter percentage 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 3 (Jul to Sept) 2019. This is a similar narrative as that experienced in Quarter 1 (Jan to Mar) 2019. Both Germany and the UK bounced back from the negative growth of 0.2% they experienced in Quarter 2 (Apr to Jun) 2019. The strongest growth seen in the latest quarter was 0.5% in USA, which remains the same growth as the previous quarter. European Union (EU28) economies grew by an average of 0.3% in Quarter 3 2019, the same as growth experienced in Quarter 3 2018.

G7 countries saw an average 0.4% growth in Quarter 3 2019, the same growth rate as the one seen in Quarter 3 2018. Most G7 countries are above their pre-economic downturn peaks, the exception being Italy where GDP remains 4.9% below the pre-downturn peak (Quarter 1 2008). The USA is still showing the biggest recovery over this period, up to 22.0% since the downturn. Canada is also still showing the second largest recovery, up to 21.1% over the period.

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

9 . 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 20 December 2019 and are consistent with the data in this release.

A number of other economic indicators were published on 20 December 2019, these include:

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

Monthly GDP

On 10 December 2019, estimates of [Monthly GDP](#) were published for October 2019. The [Index of Services](#), [Index of Production](#) and [Construction output in Great Britain](#) publications covering the period up to October 2019 are also available. The next monthly GDP release (on 13 January 2020) will include data consistent with the revisions seen in this release.

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 they are comprehensive and provide different perspectives on the economy, for example, sales by retailers and purchases by households.

Important quality information

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

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

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

Many different approaches can be used to summarise revisions; the “Accuracy and reliability” section in the [Quality and Methodology Information report](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

Reaching the GDP balance

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

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

Alignment adjustments, found in Table M of the [quarterly national accounts data tables](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the components of GDP where required. They are generally applied to the individual components where data content is comparatively weak, or estimates are prone to revision.

The balancing adjustments applied in this quarter are shown in Table 4, the resulting series should be considered accordingly.

Table 4: Balancing adjustments applied to the Quarterly National Accounts dataset
UK, Quarter 1 (Jan to Mar) 2018 to Quarter 3 (July to Sept) 2019

GDP measurement approach and component adjustment applied to		Q1 2018	Q2 2018	Q3 2018	Q4 2018	Q1 2019	Q2 2019	Q3 2019
Expenditure								
Trade in Services (exports)	Current prices	-250	-500	250	-	-	250	-
	Chained volume measure	-250	-	250	500	-500	250	-
Trade in Services (imports)	Current prices	-	-	-	-	500	-500	-1000
	Chained volume measure	750	-	-	-500	-	-	-
Changes in inventories	Current prices	-500	-2000	500	1000	-375	750	250
	Chained volume measure	-2000	-	-500	1750	-2250	1500	-750
Acquisition less disposal of valuables	Current prices	-	-	-	-	-125	-	-
	Chained volume measure	-	-	-	-	-750	-	-
Income								
Financial corporations gross operating surplus	Current prices	1750	-	-	-1750	-	-	-

Source: Office for National Statistics

Notes

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

While some large balancing adjustments have been applied in certain quarters, over 2018 as a whole the adjustments are smaller. These quarterly adjustments have been applied to ensure a more balanced quarterly path across the three measures of GDP.

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	96.1	96.1	98.1	98.1	97.9	97.6	98.1	97.9	98.0
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.8	103.9	101.9	102.0	103.0	102.8	102.2	101.9	101.8
2018	107.5	107.6	103.3	103.3	104.3	104.9	104.3	104.1	104.1
Seasonally adjusted									
2016 Q2	99.7	99.8	99.7	99.7	99.2	99.9	100.0	100.0	100.1
Q3	100.4	100.5	100.2	100.2	100.3	100.1	100.2	100.2	100.3
Q4	101.7	101.7	100.8	100.9	102.0	101.0	100.7	100.9	100.8
2017 Q1	102.9	103.0	101.4	101.5	102.9	102.2	102.0	101.5	101.4
Q2	103.3	103.5	101.7	101.8	102.3	102.5	101.8	101.6	101.7
Q3	103.8	103.7	102.0	102.1	103.2	103.0	102.1	101.7	101.6
Q4	105.2	105.3	102.4	102.5	103.8	103.7	102.9	102.7	102.7
2018 Q1	106.0	106.3	102.5	102.6	103.7	103.9	103.5	103.4	103.7
Q2	107.0	106.9	103.0	103.1	104.5	104.6	104.0	103.9	103.7
Q3	108.2	108.3	103.6	103.7	104.5	105.3	104.8	104.4	104.5
Q4	108.6	108.7	103.9	103.9	104.4	105.6	104.9	104.6	104.6
2019 Q1	109.8	109.9	104.5	104.5	106.0	106.2	104.7	105.0	105.1
Q2	110.8	110.9	104.3	104.3	105.7	105.9	106.1	106.2	106.3
Q3	111.6	111.9	104.7	104.8	105.3	106.3	106.9	106.5	106.8
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2015	3.0	3.0	2.4	2.2	2.6	2.7	0.1	0.6	0.8
2016	4.1	4.0	1.9	1.9	2.1	2.5	1.9	2.1	2.0
2017	3.8	3.9	1.9	2.0	3.0	2.8	2.2	1.9	1.8
2018	3.5	3.6	1.3	1.3	1.2	2.0	2.1	2.1	2.2
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2016 Q2	1.6	1.7	0.5	0.5	0.6	1.0	0.9	1.0	1.2
Q3	0.6	0.7	0.5	0.5	1.1	0.2	0.2	0.2	0.1
Q4	1.3	1.2	0.6	0.7	1.7	0.9	0.4	0.7	0.5
2017 Q1	1.2	1.2	0.6	0.6	0.8	1.1	1.3	0.6	0.7
Q2	0.4	0.5	0.3	0.3	-0.6	0.3	-0.2	0.2	0.2
Q3	0.4	0.2	0.3	0.3	0.9	0.5	0.2	0.1	-0.1
Q4	1.4	1.5	0.4	0.4	0.6	0.7	0.8	1.0	1.2
2018 Q1	0.7	0.9	0.1	-	-0.1	0.2	0.6	0.6	0.9
Q2	1.0	0.5	0.5	0.5	0.7	0.7	0.4	0.5	-
Q3	1.1	1.4	0.6	0.6	-	0.7	0.8	0.5	0.8
Q4	0.4	0.4	0.2	0.2	-0.1	0.2	-	0.2	0.2
2019 Q1	1.0	1.1	0.6	0.6	1.5	0.6	-0.2	0.4	0.5
Q2	0.9	0.9	-0.2	-0.2	-0.2	-0.3	1.4	1.1	1.1
Q3	0.7	0.9	0.4	0.4	-0.5	0.5	0.8	0.3	0.5
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2016 Q2	3.8	3.7	1.9	1.8	-	2.2	1.8	1.9	1.9
Q3	4.1	4.1	1.9	2.0	1.9	2.5	1.7	2.1	2.1
Q4	4.8	4.8	1.8	2.0	5.4	3.5	2.9	3.0	2.7
2017 Q1	4.8	5.0	2.2	2.3	4.4	3.2	2.9	2.5	2.6
Q2	3.6	3.7	1.9	2.1	3.1	2.6	1.8	1.6	1.6
Q3	3.4	3.2	1.8	1.9	2.9	2.9	1.8	1.6	1.3
Q4	3.5	3.6	1.6	1.6	1.7	2.7	2.2	1.8	2.0
2018 Q1	2.9	3.3	1.1	1.0	0.8	1.7	1.5	1.9	2.2
Q2	3.6	3.3	1.3	1.3	2.1	2.1	2.1	2.2	2.0
Q3	4.3	4.4	1.6	1.5	1.3	2.3	2.7	2.6	2.9
Q4	3.3	3.2	1.4	1.4	0.6	1.8	1.9	1.8	1.9
2019 Q1	3.6	3.4	2.0	1.9	2.2	2.3	1.1	1.6	1.4
Q2	3.5	3.8	1.2	1.2	1.2	1.2	2.1	2.2	2.6
Q3	3.1	3.3	1.1	1.0	0.8	0.9	2.0	2.0	2.3

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 adjust-ment ³	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjust-ment ³	Gross value added at basic prices	Gross value added excluding oil & gas ⁴	
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2	
2015	1 873 043	-43 853	1 916 896	207 571	1 709 325	1 957 920	213 742	1 744 182	1 736 086	
2016	1 947 547	-47 931	1 995 478	217 344	1 778 134	1 995 478	217 344	1 778 134	1 769 730	
2017	2 046 968	-24 699	2 071 667	224 764	1 846 903	2 033 234	219 805	1 813 429	1 804 895	
2018	2 116 774	-27 530	2 144 304	231 722	1 912 582	2 060 494	223 392	1 837 102	1 827 953	
Seasonally adjusted										
2016 Q2	483 509	-14 062	497 571	54 081	443 490	497 593	54 559	443 035	440 959	
Q3	490 142	-10 569	500 711	54 137	446 574	499 836	54 386	445 450	443 235	
Q4	499 011	-8 364	507 375	55 293	452 082	503 083	54 379	448 704	446 651	
2017 Q1	509 166	-4 292	513 458	55 757	457 701	505 983	54 682	451 301	449 181	
Q2	507 982	-7 552	515 534	55 579	459 955	507 255	54 823	452 432	450 296	
Q3	511 882	-5 906	517 788	56 732	461 056	508 982	55 022	453 960	451 784	
Q4	517 938	-6 949	524 887	56 696	468 191	511 014	55 278	455 736	453 634	
2018 Q1	522 413	-6 176	528 589	55 957	472 632	511 318	55 377	455 941	453 775	
Q2	528 203	-5 641	533 844	58 803	475 041	514 011	55 709	458 302	456 025	
Q3	533 708	-6 170	539 878	58 331	481 547	517 029	56 071	460 958	458 781	
Q4	532 450	-9 543	541 993	58 631	483 362	518 136	56 235	461 901	460 298	
2019 Q1	540 165	-7 407	547 572	58 935	488 637	521 322	56 575	464 747	463 026	
Q2	546 146	-6 435	552 581	59 429	493 152	520 356	56 486	463 870	461 603	
Q3	548 011	-8 661	556 672	59 124	497 548	522 525	56 739	465 786	463 530	
Percentage change,latest year on previous year										
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8	
2015	2.7		3.0		3.0	2.4		2.2	2.1	
2016	4.0		4.1		4.0	1.9		1.9	1.9	
2017	5.1		3.8		3.9	1.9		2.0	2.0	
2018	3.4		3.5		3.6	1.3		1.3	1.3	
Percentage change, latest quarter on previous quarter										
	KH75		IHYN		KGL8	IHYQ		KGM9		
2016 Q2	1.8		1.6		1.7	0.5		0.5	0.5	
Q3	1.4		0.6		0.7	0.5		0.5	0.5	
Q4	1.8		1.3		1.2	0.6		0.7	0.8	
2017 Q1	2.0		1.2		1.2	0.6		0.6	0.6	
Q2	-0.2		0.4		0.5	0.3		0.3	0.2	
Q3	0.8		0.4		0.2	0.3		0.3	0.3	
Q4	1.2		1.4		1.5	0.4		0.4	0.4	
2018 Q1	0.9		0.7		0.9	0.1		-	-	
Q2	1.1		1.0		0.5	0.5		0.5	0.5	
Q3	1.0		1.1		1.4	0.6		0.6	0.6	
Q4	-0.2		0.4		0.4	0.2		0.2	0.3	
2019 Q1	1.4		1.0		1.1	0.6		0.6	0.6	
Q2	1.1		0.9		0.9	-0.2		-0.2	-0.2	
Q3	0.3		0.7		0.9	0.4		0.4	0.4	
Percentage change, latest quarter on corresponding quarter of previous year										
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9	
2016 Q2	2.2		3.8		3.7	1.9		1.8	1.8	
Q3	3.8		4.1		4.1	1.9		2.0	2.0	
Q4	7.2		4.8		4.8	1.8		2.0	2.0	
2017 Q1	7.2		4.8		5.0	2.2		2.3	2.3	
Q2	5.1		3.6		3.7	1.9		2.1	2.1	
Q3	4.4		3.4		3.2	1.8		1.9	1.9	
Q4	3.8		3.5		3.6	1.6		1.6	1.6	
2018 Q1	2.6		2.9		3.3	1.1		1.0	1.0	
Q2	4.0		3.6		3.3	1.3		1.3	1.3	
Q3	4.3		4.3		4.4	1.6		1.5	1.5	
Q4	2.8		3.3		3.2	1.4		1.4	1.5	
2019 Q1	3.4		3.6		3.4	2.0		1.9	2.0	
Q2	3.4		3.5		3.8	1.2		1.2	1.2	
Q3	2.7		3.1		3.3	1.1		1.0	1.1	

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

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

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

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

2016 = 100

	Production							Service industries						
	Agri- culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr- uction	Distrib- ution, hotels & restaura- nts	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added ⁴	Gross value added excluding oil & gas
2016 Weights³	7	6	102	15	13	136	61	133	108	339	217	796	1000	995
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2015	105.9	102.0	99.8	96.4	93.3	98.9	96.2	96.5	97.3	97.4	100.5	98.0	98.1	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	100.0	100.0	100.0
2017	105.7	101.7	102.2	98.2	102.0	101.7	106.4	102.4	103.6	101.0	101.2	101.7	102.0	102.0
2018	102.5	107.1	103.1	96.7	102.5	102.5	106.4	105.5	107.6	102.8	101.9	103.7	103.3	103.3
Seasonally adjusted														
2016 Q2	99.2	99.1	100.7	102.1	100.1	100.8	99.7	99.5	98.9	99.3	99.9	99.5	99.7	99.7
Q3	99.3	103.7	99.7	99.1	100.1	99.9	100.4	99.9	100.8	100.5	99.9	100.3	100.2	100.2
Q4	100.9	98.0	100.5	101.6	101.4	100.6	101.7	101.6	101.5	101.0	100.1	100.9	100.9	101.0
2017 Q1	105.6	100.9	101.5	97.4	104.5	101.3	106.0	101.8	101.8	100.8	101.0	101.1	101.5	101.5
Q2	105.7	101.9	101.3	98.4	100.3	100.9	106.2	102.3	103.4	100.6	101.5	101.5	101.8	101.8
Q3	106.3	103.3	102.3	98.7	101.3	101.8	106.4	102.7	104.0	101.1	101.2	101.8	102.1	102.1
Q4	105.3	100.6	103.8	98.5	101.9	102.9	107.2	102.9	105.1	101.6	101.1	102.2	102.5	102.5
2018 Q1	103.3	102.1	103.6	100.0	100.1	102.8	105.3	103.3	105.0	102.4	101.3	102.6	102.6	102.6
Q2	102.3	107.0	103.2	94.9	102.3	102.4	106.1	105.3	106.5	102.7	101.7	103.4	103.1	103.1
Q3	102.0	110.4	103.3	96.4	104.2	102.9	107.2	106.5	108.7	102.9	102.1	104.1	103.7	103.7
Q4	102.7	108.9	102.4	95.5	103.3	102.0	107.2	107.1	110.0	103.3	102.5	104.6	103.9	104.0
2019 Q1	100.9	107.6	104.8	92.8	101.8	103.4	109.1	108.3	111.5	103.0	103.0	105.0	104.5	104.7
Q2	100.6	106.4	102.0	94.7	103.3	101.6	108.0	108.4	112.1	102.9	103.4	105.2	104.3	104.3
Q3	100.5	106.3	102.2	93.0	105.0	101.6	109.3	108.6	112.8	103.5	103.9	105.7	104.8	104.8
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2015	1.0	5.1	-0.1	2.2	4.6	1.0	4.0	4.0	3.7	2.1	0.7	2.2	2.2	2.1
2016	-5.5	-2.0	0.2	3.7	7.1	1.1	3.9	3.7	2.8	2.7	-0.5	2.0	1.9	1.9
2017	5.7	1.7	2.2	-1.8	2.0	1.7	6.4	2.4	3.6	1.0	1.2	1.7	2.0	2.0
2018	-3.0	5.3	0.9	-1.6	0.5	0.8	-	3.0	3.8	1.8	0.7	2.0	1.3	1.3
Percentage change, latest quarter on previous quarter														
													KGM9	
2016 Q2	-1.5	-0.1	1.7	5.1	1.8	2.0	1.6	0.5	0.2	0.2	-0.3	0.1	0.5	0.5
Q3	0.1	4.6	-1.0	-3.0	-	-0.9	0.7	0.3	1.9	1.1	-	0.8	0.5	0.5
Q4	1.6	-5.5	0.8	2.6	1.4	0.7	1.3	1.8	0.7	0.6	0.2	0.7	0.7	0.8
2017 Q1	4.7	3.0	0.9	-4.1	3.0	0.7	4.2	0.2	0.2	-0.3	0.9	0.2	0.6	0.6
Q2	0.1	1.0	-0.1	0.9	-4.0	-0.4	0.3	0.5	1.6	-0.2	0.5	0.4	0.3	0.2
Q3	0.6	1.3	0.9	0.3	1.0	0.9	0.1	0.4	0.6	0.5	-0.2	0.3	0.3	0.3
Q4	-1.0	-2.6	1.5	-0.2	0.6	1.1	0.7	0.2	1.0	0.5	-0.2	0.4	0.4	0.4
2018 Q1	-2.0	1.5	-0.2	1.6	-1.8	-0.1	-1.8	0.4	-0.1	0.7	0.2	0.4	-	-
Q2	-1.0	4.8	-0.4	-5.1	2.2	-0.4	0.8	1.9	1.4	0.3	0.4	0.8	0.5	0.5
Q3	-0.3	3.2	0.1	1.6	1.8	0.6	1.1	1.2	2.0	0.2	0.4	0.7	0.6	0.6
Q4	0.7	-1.4	-0.8	-0.9	-0.9	-0.9	-	0.5	1.2	0.3	0.4	0.5	0.2	0.3
2019 Q1	-1.8	-1.1	2.4	-2.8	-1.4	1.3	1.7	1.2	1.3	-0.2	0.5	0.4	0.6	0.6
Q2	-0.3	-1.2	-2.6	2.0	1.5	-1.7	-1.0	0.1	0.5	-0.1	0.4	0.2	-0.2	-0.2
Q3	-0.1	-0.1	0.1	-1.8	1.6	0.1	1.2	0.2	0.6	0.5	0.5	0.5	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KII2	KIH9	KIH8	L44Q	KGN3	KLH9
2016 Q2	-7.0	-6.8	0.6	6.8	6.9	1.4	3.4	3.4	1.6	2.6	-0.4	1.8	1.8	1.8
Q3	-6.8	1.0	0.2	2.0	6.0	1.0	5.0	3.1	3.1	3.1	-0.9	2.0	2.0	2.0
Q4	-3.5	-4.6	1.4	6.8	6.6	2.1	4.8	3.9	3.5	2.5	-1.3	1.8	2.0	2.0
2017 Q1	4.9	1.7	2.4	0.3	6.2	2.5	8.0	2.9	3.1	1.7	0.8	1.8	2.3	2.3
Q2	6.6	2.8	0.6	-3.7	0.2	0.2	6.5	2.8	4.6	1.3	1.6	2.1	2.1	2.1
Q3	7.1	-0.4	2.6	-0.4	1.2	2.0	5.9	2.9	3.2	0.6	1.4	1.5	1.9	1.9
Q4	4.4	2.7	3.3	-3.1	0.5	2.3	5.4	1.3	3.5	0.6	1.0	1.2	1.6	1.6
2018 Q1	-2.2	1.2	2.1	2.7	-4.2	1.5	-0.7	1.4	3.2	1.6	0.3	1.4	1.0	1.0
Q2	-3.2	5.0	1.8	-3.5	2.0	1.4	-0.2	2.9	3.0	2.1	0.2	1.9	1.3	1.3
Q3	-4.1	6.9	1.0	-2.3	2.9	1.1	0.8	3.7	4.5	1.8	0.8	2.2	1.5	1.5
Q4	-2.5	8.2	-1.4	-3.1	1.3	-0.9	-	4.0	4.7	1.6	1.4	2.4	1.4	1.5
2019 Q1	-2.3	5.4	1.2	-7.2	1.7	0.6	3.6	4.8	6.2	0.6	1.7	2.4	1.9	2.0
Q2	-1.6	-0.6	-1.1	-0.2	1.0	-0.8	1.8	3.0	5.3	0.2	1.7	1.8	1.2	1.2
Q3	-1.4	-3.7	-1.0	-3.5	0.8	-1.3	1.9	2.0	3.8	0.5	1.8	1.6	1.0	1.1

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 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.

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

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

2016 = 100

Service industries											
	Wholesale and retail trade	Transport storage and communications	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services ⁴	Total services
2016 Weights³	105	108	28	72	140	126	49	58	75	35	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2015	95.9	97.3	98.5	96.3	98.0	97.3	102.0	100.8	98.4	102.3	98.0
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.5	103.6	102.4	99.1	99.0	104.3	100.8	101.2	101.0	102.1	101.7
2018	105.7	107.6	104.9	98.1	99.6	109.0	101.6	101.9	101.5	103.2	103.7
Seasonally adjusted											
2016 Q2	99.5	98.9	99.7	98.4	99.7	99.4	99.9	99.8	99.8	100.1	99.5
Q3	99.8	100.8	100.0	102.2	99.9	100.2	99.7	99.6	100.0	100.3	100.3
Q4	101.8	101.5	100.7	101.0	100.6	101.5	99.9	100.1	100.3	99.7	100.9
2017 Q1	101.7	101.8	102.2	99.9	99.3	102.9	100.4	101.5	101.0	101.0	101.1
Q2	102.2	103.4	102.6	99.6	98.9	103.0	101.1	101.2	101.5	102.4	101.5
Q3	102.8	104.0	102.5	98.9	98.8	104.9	100.7	101.2	101.1	102.6	101.8
Q4	103.1	105.1	102.2	98.1	99.1	106.5	100.9	101.0	100.6	102.3	102.2
2018 Q1	103.4	105.0	102.9	99.2	99.5	107.4	100.8	101.1	101.2	102.5	102.6
Q2	105.4	106.5	104.7	98.6	99.7	108.4	101.3	101.7	101.2	103.6	103.4
Q3	106.9	108.7	105.2	97.6	99.6	109.5	102.3	102.0	101.5	103.4	104.1
Q4	107.1	110.0	106.8	96.8	99.7	110.8	102.2	102.7	102.0	103.5	104.6
2019 Q1	108.5	111.5	107.6	95.5	100.0	110.7	103.4	103.8	102.3	102.7	105.0
Q2	108.8	112.1	107.0	94.6	100.2	110.7	103.6	104.6	102.7	102.8	105.2
Q3	109.3	112.8	106.2	95.8	100.3	111.3	103.6	104.6	103.6	104.2	105.7
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2015	3.9	3.7	4.4	-3.8	2.8	4.9	-2.4	1.1	1.7	2.3	2.2
2016	4.2	2.8	1.5	3.8	2.0	2.8	-1.9	-0.8	1.6	-2.3	2.0
2017	2.5	3.6	2.4	-0.9	-1.0	4.3	0.8	1.2	1.0	2.1	1.7
2018	3.2	3.8	2.5	-1.1	0.6	4.5	0.9	0.7	0.4	1.1	2.0
Percentage change, latest quarter on previous quarter											
2016 Q2	0.6	0.2	0.1	-	-	0.6	-0.7	-0.8	-	0.1	0.1
Q3	0.3	1.9	0.3	3.9	0.1	0.8	-0.2	-0.2	0.2	0.2	0.8
Q4	2.0	0.7	0.6	-1.1	0.8	1.3	0.2	0.5	0.4	-0.6	0.7
2017 Q1	-0.1	0.2	1.5	-1.1	-1.3	1.4	0.5	1.4	0.6	1.4	0.2
Q2	0.5	1.6	0.4	-0.3	-0.4	0.1	0.7	-0.3	0.5	1.4	0.4
Q3	0.5	0.6	-0.2	-0.7	-0.1	1.8	-0.4	-	-0.4	0.1	0.3
Q4	0.3	1.0	-0.3	-0.8	0.3	1.5	0.2	-0.2	-0.4	-0.2	0.4
2018 Q1	0.3	-0.1	0.7	1.1	0.4	0.9	-0.1	0.1	0.6	0.2	0.4
Q2	1.9	1.4	1.7	-0.6	0.2	0.9	0.4	0.6	-0.1	1.1	0.8
Q3	1.4	2.0	0.5	-1.0	-0.1	1.1	1.0	0.3	0.3	-0.2	0.7
Q4	0.2	1.2	1.5	-0.8	0.1	1.2	-	0.8	0.5	0.1	0.5
2019 Q1	1.3	1.3	0.7	-1.4	0.2	-0.1	1.1	1.0	0.2	-0.7	0.4
Q2	0.3	0.5	-0.5	-0.9	0.2	-	0.2	0.8	0.4	0.1	0.2
Q3	0.4	0.6	-0.8	1.2	0.1	0.6	-	-	0.8	1.3	0.5
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2016 Q2	3.8	1.6	2.0	3.9	2.0	2.6	-2.3	-0.6	1.5	-1.6	1.8
Q3	3.6	3.1	1.4	9.5	1.1	2.0	-1.8	-1.6	0.7	-1.9	2.0
Q4	5.0	3.5	-0.1	3.4	1.5	3.1	-1.7	-1.5	0.7	-4.6	1.8
2017 Q1	2.9	3.1	2.6	1.5	-0.4	4.1	-0.2	0.9	1.2	1.1	1.8
Q2	2.7	4.6	2.9	1.3	-0.8	3.6	1.2	1.4	1.6	2.3	2.1
Q3	3.0	3.2	2.4	-3.2	-1.1	4.7	1.0	1.6	1.1	2.3	1.5
Q4	1.2	3.5	1.5	-2.9	-1.5	4.9	1.1	0.9	0.3	2.7	1.2
2018 Q1	1.7	3.2	0.7	-0.7	0.2	4.4	0.4	-0.4	0.3	1.5	1.4
Q2	3.2	3.0	2.0	-1.0	0.8	5.2	0.2	0.4	-0.3	1.2	1.9
Q3	4.0	4.5	2.7	-1.3	0.8	4.4	1.6	0.8	0.4	0.8	2.2
Q4	3.9	4.7	4.5	-1.3	0.6	4.1	1.3	1.7	1.4	1.1	2.4
2019 Q1	4.9	6.2	4.5	-3.7	0.5	3.0	2.5	2.6	1.0	0.2	2.4
Q2	3.2	5.3	2.3	-4.0	0.5	2.1	2.3	2.9	1.5	-0.8	1.8
Q3	2.2	3.8	0.9	-1.8	0.6	1.6	1.3	2.6	2.1	0.8	1.6

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

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

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

4 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						
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2015	1 189 246	46 637	373 675	324 623	183 576	9 213	–	–40 194	354 530	049 247	340 556	507 –26 458	–	1 916 896		
2016	1 252 934	46 117	381 522	343 694	195 973	3 580	–	–47 202	800 567	499 259	299 599	822 –32 323	1	1 995 478		
2017	1 300 305	46 560	386 667	357 080	204 945	4 727	–	1 245 209	584 629	085 272	669 654	212 –25 127	210	2 071 667		
2018	1 356 650	47 353	396 230	362 639	204 701	3 132	–	2 982 216	986 656	478 282	464 686	265 –29 787	5 105	2 144 304		
Seasonally adjusted																
2016 Q2	312 192	11 548	95 240	85 457	48 768	–22	–954	–1 238	503 177	139 552	642 729	145 158	–5 606	–	497 571	
Q3	316 633	11 459	95 635	87 250	49 931	819	1 861	2 700	514 496	141 260	655 756	155 046	–13 786	1	500 711	
Q4	317 723	11 453	96 021	87 102	49 436	2 651	–1 984	–1 884	513 066	152 847	665 913	158 538	–5 691	–	507 375	
2017 Q1	322 444	11 501	96 497	87 774	50 752	3 148	1 863	–373	520 991	153 417	674 408	160 845	–7 428	–105	513 458	
Q2	323 934	11 623	95 869	89 125	51 268	581	–1 967	321	521 453	157 655	679 108	163 473	–5 818	–101	515 534	
Q3	325 010	11 679	96 670	89 686	51 562	266	–349	420	523 731	159 024	682 755	164 956	–5 932	–11	517 788	
Q4	328 917	11 757	97 631	90 495	51 363	732	453	877	530 409	158 989	689 398	164 938	–5 949	427	524 887	
2018 Q1	334 485	11 785	98 024	89 701	51 512	–783	–739	556	533 768	159 293	693 061	165 153	–5 860	681	528 589	
Q2	337 844	11 839	98 355	90 624	51 352	–1	1 620	1 287	539 948	162 417	702 365	169 332	–6 915	811	533 844	
Q3	341 414	11 861	99 472	91 009	50 979	–77	–2 085	1 041	544 720	166 610	711 330	172 861	–6 251	1 409	539 878	
Q4	342 907	11 868	100 379	91 305	50 858	3 993	1 204	98	550 550	168 158	718 708	178 919	–10 761	2 204	541 993	
2019 Q1	344 886	11 897	102 214	93 448	51 859	4 997	–1 655	10 798	568 240	167 962	736 202	190 820	–22 858	2 190	547 572	
Q2	347 126	11 934	104 239	93 693	52 650	3 455	1 319	986	561 433	162 170	723 603	173 076	–10 906	2 054	552 581	
Q3	349 476	11 981	104 390	94 813	52 689	–5 264	–1 924	–227	555 169	175 206	730 375	175 616	–410	1 913	556 672	
Percentage change, latest year on previous year																
	KGy7	KGZ8	KH2C	KG6O	KG6N			KGX3	KH2O	KGv7	KH3H				IHYM	
2015	2.9	4.0	1.2	6.5	9.6			2.9	–0.1	2.3	–				3.0	
2016	5.4	–1.1	2.1	5.9	6.8			4.3	7.1	4.9	7.8				4.1	
2017	3.8	1.0	1.3	3.9	4.6			3.4	10.9	5.0	9.1				3.8	
2018	4.3	1.7	2.5	1.6	–0.1			3.5	4.4	3.7	4.9				3.5	
Percentage change, latest quarter on previous quarter																
	KGy8	KGZ9	KH2D	KG6W	KG6V			KGX4	KH2P	KGv8	KH3I				IHYN	
2016 Q2	1.9	–0.9	0.6	1.9	1.9			1.2	4.3	1.9	2.9				1.6	
Q3	1.4	–0.8	0.4	2.1	2.4			2.2	1.2	2.0	6.8				0.6	
Q4	0.3	–0.1	0.4	–0.2	–1.0			–0.3	8.2	1.5	2.3				1.3	
2017 Q1	1.5	0.4	0.5	0.8	2.7			1.5	0.4	1.3	1.5				1.2	
Q2	0.5	1.1	–0.7	1.5	1.0			0.1	2.8	0.7	1.6				0.4	
Q3	0.3	0.5	0.8	0.6	0.6			0.4	0.9	0.5	0.9				0.4	
Q4	1.2	0.7	1.0	0.9	–0.4			1.3	–	1.0	–				1.4	
2018 Q1	1.7	0.2	0.4	–0.9	0.3			0.6	0.2	0.5	0.1				0.7	
Q2	1.0	0.5	0.3	1.0	–0.3			1.2	2.0	1.3	2.5				1.0	
Q3	1.1	0.2	1.1	0.4	–0.7			0.9	2.6	1.3	2.1				1.1	
Q4	0.4	0.1	0.9	0.3	–0.2			1.1	0.9	1.0	3.5				0.4	
2019 Q1	0.6	0.2	1.8	2.3	2.0			3.2	–0.1	2.4	6.7				1.0	
Q2	0.6	0.3	2.0	0.3	1.5			–1.2	–3.4	–1.7	–9.3				0.9	
Q3	0.7	0.4	0.1	1.2	0.1			–1.1	8.0	0.9	1.5				0.7	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGy9	KH22	KH2E	KG76	KG75			KGX5	KH2Q	KGv9	KH3J				IHYO	
2016 Q2	5.5	–0.9	2.3	5.1	6.7			4.2	3.3	4.0	4.6				3.8	
Q3	5.8	–2.2	1.3	8.2	9.5			5.4	9.2	6.2	13.8				4.1	
Q4	5.2	–2.2	2.7	5.7	5.1			4.8	14.1	6.8	13.7				4.8	
2017 Q1	5.2	–1.3	2.0	4.6	6.1			4.8	14.6	6.9	14.0				4.8	
Q2	3.8	0.6	0.7	4.3	5.1			3.6	13.0	5.7	12.6				3.6	
Q3	2.6	1.9	1.1	2.8	3.3			1.8	12.6	4.1	6.4				3.4	
Q4	3.5	2.7	1.7	3.9	3.9			3.4	4.0	3.5	4.0				3.5	
2018 Q1	3.7	2.5	1.6	2.2	1.5			2.5	3.8	2.8	2.7				2.9	
Q2	4.3	1.9	2.6	1.7	0.2			3.5	3.0	3.4	3.6				3.6	
Q3	5.0	1.6	2.9	1.5	–1.1			4.0	4.8	4.2	4.8				4.3	
Q4	4.3	0.9	2.8	0.9	–1.0			3.8	5.8	4.3	8.5				3.3	
2019 Q1	3.1	1.0	4.3	4.2	0.7			6.5	5.4	6.2	15.5				3.6	
Q2	2.7	0.8	6.0	3.4	2.5			4.0	–0.2	3.0	2.2				3.5	
Q3	2.4	1.0	4.9	4.2	3.4			1.9	5.2	2.7	1.6				3.1	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

6 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						
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2015	1 206 496	46 830	377 900	331 615	187 908	16 067	-1	-447 190	191 552	388 253	2 532 610	574 575	-22 187	-	1 957 920	
2016	1 252 934	46 117	381 522	343 690	195 973	3 580	1	-48 207	800 567	499 259	2 595 299	599 822	-32 323	1	1 995 478	
2017	1 281 722	46 042	382 508	349 306	201 708	-8 974	-	1 149 205	749 602	123 265	2 653 872	620 838	-18 715	200	2 033 234	
2018	1 302 614	46 133	384 153	348 521	198 681	-5 494	-	3 390 207	931 609	510 268	2 688 824	633 225	-23 715	4 895	2 060 494	
Seasonally adjusted																
2016 Q2	312 091	11 543	95 290	85 673	48 954	-398	-961	-1 509	503 159	142 154	645 294	147 688	-5 534	-	497 593	
Q3	315 828	11 429	95 386	86 818	49 745	3 154	1 852	2 989	513 262	138 543	651 896	152 072	-13 529	1	499 836	
Q4	317 381	11 387	95 477	86 301	48 801	-113	-1 972	-1 326	509 638	147 009	656 565	153 493	-6 484	-	503 083	
2017 Q1	318 897	11 466	95 419	86 336	49 910	-577	1 833	-636	510 905	147 656	658 561	152 474	-4 818	-104	505 983	
Q2	319 788	11 519	95 460	87 551	50 490	-2 232	-1 937	42	512 127	151 190	663 317	155 962	-4 772	-100	507 255	
Q3	321 032	11 489	95 724	87 218	50 603	-2 784	-342	519	513 197	152 771	665 968	156 975	-4 204	-11	508 982	
Q4	322 005	11 568	95 905	88 201	50 705	-3 381	446	1 224	515 520	150 506	666 026	155 427	-4 921	415	511 014	
2018 Q1	323 391	11 600	95 497	87 169	50 275	-2 706	-713	538	515 488	151 022	666 510	155 850	-4 828	658	511 318	
Q2	325 297	11 501	95 430	86 964	49 859	-957	1 560	1 099	519 334	150 647	669 981	156 751	-6 104	781	514 011	
Q3	326 716	11 513	95 991	87 245	49 411	-2 985	-1 997	1 081	519 560	154 133	673 693	158 013	-3 880	1 349	517 029	
Q4	327 210	11 519	97 235	87 143	49 136	1 154	1 150	672	524 932	153 708	678 640	162 611	-8 903	2 107	518 136	
2019 Q1	327 861	11 491	98 217	88 087	49 619	3 181	-1 576	13 866	542 704	154 136	696 840	177 603	-23 467	2 085	521 322	
Q2	329 364	11 383	99 354	87 601	49 659	360	1 242	994	529 056	147 799	676 855	158 433	-10 634	1 934	520 356	
Q3	330 240	11 488	98 715	87 746	49 677	-8 400	-1 805	-551	519 236	159 510	678 746	158 016	1 494	1 795	522 525	
Percentage change, latest year on previous year																
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHYP	
2015	2.9	4.1	1.8	3.7	7.2			2.9	3.8	3.1	5.4				2.4	
2016	3.8	-1.5	1.0	3.6	4.3			2.4	2.7	2.5	4.4				1.9	
2017	2.3	-0.2	0.3	1.6	2.9			1.2	6.1	2.3	3.5				1.9	
2018	1.6	0.2	0.4	-0.2	-1.5			1.3	1.2	1.3	2.0				1.3	
Percentage change, latest quarter on previous quarter																
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHYQ	
2016 Q2	1.4	-1.8	-0.1	0.9	1.0			0.3	1.7	0.6	0.8				0.5	
Q3	1.2	-1.0	0.1	1.3	1.6			2.0	-2.5	1.0	3.0				0.5	
Q4	0.5	-0.4	0.1	-0.6	-1.9			-0.7	6.1	0.7	0.9				0.6	
2017 Q1	0.5	0.7	-0.1	-	2.3			0.2	0.4	0.3	-0.7				0.6	
Q2	0.3	0.5	-	1.4	1.2			0.2	2.4	0.7	2.3				0.3	
Q3	0.4	-0.3	0.3	-0.4	0.2			0.2	1.0	0.4	0.6				0.3	
Q4	0.3	0.7	0.2	1.1	0.2			0.5	-1.5	-	-1.0				0.4	
2018 Q1	0.4	0.3	-0.4	-1.2	-0.8			-	0.3	0.1	0.3				0.1	
Q2	0.6	-0.9	-0.1	-0.2	-0.8			0.7	-0.2	0.5	0.6				0.5	
Q3	0.4	0.1	0.6	0.3	-0.9			-	2.3	0.6	0.8				0.6	
Q4	0.2	0.1	1.3	-0.1	-0.6			1.0	-0.3	0.7	2.9				0.2	
2019 Q1	0.2	-0.2	1.0	1.1	1.0			3.4	0.3	2.7	9.2				0.6	
Q2	0.5	-0.9	1.2	-0.6	0.1			-2.5	-4.1	-2.9	-10.8				-0.2	
Q3	0.3	0.9	-0.6	0.2	-			-1.9	7.9	0.3	-0.3				0.4	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR	
2016 Q2	3.6	-2.0	0.8	3.1	4.5			2.3	2.5	2.3	3.9				1.9	
Q3	3.8	-2.6	0.2	5.7	6.7			3.7	1.1	3.1	7.3				1.9	
Q4	4.7	-3.4	0.5	3.4	2.1			1.8	5.3	2.6	5.2				1.8	
2017 Q1	3.7	-2.5	0.1	1.7	3.0			1.8	5.6	2.7	4.0				2.2	
Q2	2.5	-0.2	0.2	2.2	3.1			1.8	6.4	2.8	5.6				1.9	
Q3	1.6	0.5	0.4	0.5	1.7			-	10.3	2.2	3.2				1.8	
Q4	1.5	1.6	0.4	2.2	3.9			1.2	2.4	1.4	1.3				1.6	
2018 Q1	1.4	1.2	0.1	1.0	0.7			0.9	2.3	1.2	2.2				1.1	
Q2	1.7	-0.2	-	-0.7	-1.2			1.4	-0.4	1.0	0.5				1.3	
Q3	1.8	0.2	0.3	-	-2.4			1.2	0.9	1.2	0.7				1.6	
Q4	1.6	-0.4	1.4	-1.2	-3.1			1.8	2.1	1.9	4.6				1.4	
2019 Q1	1.4	-0.9	2.8	1.1	-1.3			5.3	2.1	4.6	14.0				2.0	
Q2	1.3	-1.0	4.1	0.7	-0.4			1.9	-1.9	1.0	1.1				1.2	
Q3	1.1	-0.2	2.8	0.6	0.5			-0.1	3.5	0.8	-				1.1	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

D Gross domestic product by category of income: current prices¹

£ million

	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	774 210	155 220	929 430	344 401	–	50 152	17 523	412 076	341 071	1 682 577	234 319	–	1 916 896
2016	802 669	165 055	967 724	353 011	–	56 652	17 986	427 649	356 317	1 751 690	243 788	–	1 995 478
2017	833 103	176 047	1 009 150	366 438	–	61 216	16 899	444 553	364 779	1 818 482	252 976	209	2 071 667
2018	873 469	180 235	1 053 704	379 791	–	57 903	11 075	448 769	380 611	1 883 084	259 705	1 515	2 144 304
Seasonally adjusted													
2016 Q2	200 189	41 176	241 365	86 884	–799	14 518	4 491	105 893	89 411	436 669	60 902	–	497 571
Q3	202 242	41 990	244 232	86 370	–1 791	15 355	4 500	106 225	89 364	439 821	60 890	–	500 711
Q4	202 879	42 728	245 607	92 591	1 827	12 543	4 495	109 629	90 341	445 577	61 798	–	507 375
2017 Q1	203 787	43 667	247 454	94 290	126	15 040	4 424	113 754	90 479	451 687	61 738	33	513 458
Q2	207 471	44 043	251 514	89 203	–241	16 443	4 476	110 122	90 747	452 383	63 087	64	515 534
Q3	209 600	44 657	254 257	89 380	44	14 235	4 339	107 954	91 300	453 511	64 175	102	517 788
Q4	212 245	43 680	255 925	93 565	71	15 498	3 660	112 723	92 253	460 901	63 976	10	524 887
2018 Q1	215 613	43 267	258 880	95 395	1 960	15 342	2 813	113 550	93 255	465 685	62 499	405	528 589
Q2	216 493	44 473	260 966	93 195	–403	15 445	2 856	111 496	94 679	467 141	66 093	610	533 844
Q3	219 413	45 569	264 982	96 688	431	14 091	2 719	113 498	95 570	474 050	65 406	422	539 878
Q4	221 950	46 926	268 876	94 513	–1 988	13 025	2 687	110 225	97 107	476 208	65 707	78	541 993
2019 Q1	222 847	47 123	269 970	95 930	–1 756	14 424	2 788	113 142	98 649	481 761	65 747	64	547 572
Q2	225 369	48 789	274 158	97 767	547	12 507	2 815	113 089	97 898	485 145	67 057	379	552 581
Q3	227 136	49 787	276 923	99 065	977	13 030	2 923	115 018	97 759	489 700	66 253	719	556 672
Percentage change, latest year on previous year													
	CWNH	CWNE	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2015	3.2	0.7	2.7	4.2		–15.3	5.3	1.4	5.5	3.0	2.9		3.0
2016	3.7	6.3	4.1	2.5		13.0	2.6	3.8	4.5	4.1	4.0		4.1
2017	3.8	6.7	4.3	3.8		8.1	–6.0	4.0	2.4	3.8	3.8		3.8
2018	4.8	2.4	4.4	3.6		–5.4	–34.5	0.9	4.3	3.6	2.7		3.5
Percentage change, latest quarter on previous quarter													
	CWNI	CWNF	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2016 Q2	1.4	5.1	2.0	–0.3		2.0	–0.2	–	2.5	1.6	1.2		1.6
Q3	1.0	2.0	1.2	–0.6		5.8	0.2	0.3	–0.1	0.7	–		0.6
Q4	0.3	1.8	0.6	7.2		–18.3	–0.1	3.2	1.1	1.3	1.5		1.3
2017 Q1	0.4	2.2	0.8	1.8		19.9	–1.6	3.8	0.2	1.4	–0.1		1.2
Q2	1.8	0.9	1.6	–5.4		9.3	1.2	–3.2	0.3	0.2	2.2		0.4
Q3	1.0	1.4	1.1	0.2		–13.4	–3.1	–2.0	0.6	0.2	1.7		0.4
Q4	1.3	–2.2	0.7	4.7		8.9	–15.6	4.4	1.0	1.6	–0.3		1.4
2018 Q1	1.6	–0.9	1.2	2.0		–1.0	–23.1	0.7	1.1	1.0	–2.3		0.7
Q2	0.4	2.8	0.8	–2.3		0.7	1.5	–1.8	1.5	0.3	5.8		1.0
Q3	1.3	2.5	1.5	3.7		–8.8	–4.8	1.8	0.9	1.5	–1.0		1.1
Q4	1.2	3.0	1.5	–2.2		–7.6	–1.2	–2.9	1.6	0.5	0.5		0.4
2019 Q1	0.4	0.4	0.4	1.5		10.7	3.8	2.6	1.6	1.2	0.1		1.0
Q2	1.1	3.5	1.6	1.9		–13.3	1.0	–	–0.8	0.7	2.0		0.9
Q3	0.8	2.0	1.0	1.3		4.2	3.8	1.7	–0.1	0.9	–1.2		0.7
Percentage change, latest quarter on corresponding quarter of previous year													
	CWNJ	CWNG	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2016 Q2	3.9	6.2	4.3	–0.9		16.8	2.7	1.3	5.4	3.8	3.8		3.8
Q3	4.5	9.0	5.2	–2.7		52.4	2.0	2.9	3.2	4.2	2.7		4.1
Q4	4.3	8.4	5.0	6.6		–4.7	2.2	5.0	4.6	4.9	4.1		4.8
2017 Q1	3.3	11.5	4.6	8.2		5.6	–1.7	7.4	3.8	5.1	2.6		4.8
Q2	3.6	7.0	4.2	2.7		13.3	–0.3	4.0	1.5	3.6	3.6		3.6
Q3	3.6	6.4	4.1	3.5		–7.3	–3.6	1.6	2.2	3.1	5.4		3.4
Q4	4.6	2.2	4.2	1.1		23.6	–18.6	2.8	2.1	3.4	3.5		3.5
2018 Q1	5.8	–0.9	4.6	1.2		2.0	–36.4	–0.2	3.1	3.1	1.2		2.9
Q2	4.3	1.0	3.8	4.5		–6.1	–36.2	1.2	4.3	3.3	4.8		3.6
Q3	4.7	2.0	4.2	8.2		–1.0	–37.3	5.1	4.7	4.5	1.9		4.3
Q4	4.6	7.4	5.1	1.0		–16.0	–26.6	–2.2	5.3	3.3	2.7		3.3
2019 Q1	3.4	8.9	4.3	0.6		–6.0	–0.9	–0.4	5.8	3.5	5.2		3.6
Q2	4.1	9.7	5.1	4.9		–19.0	–1.4	1.4	3.4	3.9	1.5		3.5
Q3	3.5	9.3	4.5	2.5		–7.5	7.5	1.3	2.3	3.3	1.3		3.1

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL²

UK DOMESTIC³

COICOP ¹	Net		Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
	Total	tourism													
	-	-	0	01	02	03	04	05	06	07	08	09	10	11	12
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2015	1 189 246	8 468	1 180 778	91 368	40 893	62 450	318 645	51 384	20 820	159 196	20 443	125 126	25 897	115 057	149 499
2016	1 252 934	13 923	1 239 011	95 238	40 997	64 769	335 515	54 318	21 974	166 828	21 445	133 419	27 918	119 941	156 649
2017	1 300 305	13 958	1 286 347	100 538	41 760	66 910	337 077	59 458	24 223	172 782	21 898	143 423	30 427	123 102	164 749
2018	1 356 650	15 862	1 340 788	104 378	44 434	67 499	347 462	65 576	26 528	183 896	21 538	149 854	31 190	124 693	173 740

Seasonally adjusted

2016 Q2	312 192	3 622	308 570	23 640	10 326	16 015	83 956	13 476	5 470	41 453	5 343	33 336	6 970	29 868	38 717
Q3	316 633	4 935	311 698	24 016	10 263	16 129	83 849	13 682	5 476	42 036	5 401	33 518	6 985	29 993	40 350
Q4	317 723	2 895	314 828	24 231	10 230	16 522	85 006	14 020	5 535	42 584	5 397	33 694	7 006	30 662	39 941
2017 Q1	322 444	3 704	318 740	24 658	10 183	16 751	84 048	14 268	5 799	43 704	5 393	35 014	7 563	30 492	40 867
Q2	323 934	3 096	320 838	25 026	10 475	16 758	83 921	14 918	6 070	42 359	5 491	35 913	7 591	30 708	41 608
Q3	325 010	3 302	321 708	25 245	10 464	16 714	84 209	15 167	6 125	42 680	5 524	36 076	7 622	31 053	40 829
Q4	328 917	3 856	325 061	25 609	10 638	16 687	84 899	15 105	6 229	44 039	5 490	36 420	7 651	30 849	41 445
2018 Q1	334 485	3 336	331 149	25 876	10 773	16 592	86 772	15 901	6 455	45 645	5 414	36 878	7 725	30 800	42 318
Q2	337 844	3 960	333 884	25 989	11 197	16 775	86 189	16 261	6 534	46 066	5 349	37 333	7 781	31 151	43 259
Q3	341 414	4 629	336 785	26 201	11 187	17 017	87 096	16 620	6 733	45 896	5 332	37 664	7 817	31 069	44 153
Q4	342 907	3 937	338 970	26 312	11 277	17 115	87 405	16 794	6 806	46 289	5 443	37 979	7 867	31 673	44 010
2019 Q1	344 886	4 341	340 545	26 457	11 360	17 468	87 736	16 973	6 897	46 292	5 472	38 115	7 900	31 669	44 206
Q2	347 126	4 865	342 261	26 658	11 285	17 711	89 176	17 236	6 854	46 728	5 458	38 210	7 930	31 698	43 317
Q3	349 476	4 248	345 228	26 838	11 425	17 955	89 126	17 200	6 894	47 172	5 489	38 768	7 960	32 379	44 022

Percentage change, latest year on previous year

	KG7Y	KG6U	KG9N	KG7F	KG9F	KG7G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P
2015	2.9	2.8	-2.1	-3.1	4.8	3.9	6.5	1.7	-0.2	0.4	6.1	10.9	3.8	2.3	4.8
2016	5.4	4.9	4.2	0.3	3.7	5.3	5.7	5.5	4.8	4.9	6.6	7.8	4.2	4.8	5.2
2017	3.8	3.8	5.6	1.9	3.3	0.5	9.5	10.2	3.6	2.1	7.5	9.0	2.6	5.2	5.2
2018	4.3	4.2	3.8	6.4	0.9	3.1	10.3	9.5	6.4	-1.6	4.5	2.5	1.3	5.5	5.5

Percentage change, latest quarter on previous quarter

	KG7Y	KG7U	KG9N	KG7F	KG9F	KG7G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P
2016 Q2	1.9	1.5	1.2	1.5	-0.5	1.5	2.6	-0.4	1.7	0.7	1.4	0.2	1.5	2.9	4.2
Q3	1.4	1.0	1.6	-0.6	0.7	-0.1	1.5	0.1	1.4	1.1	0.5	0.2	0.4	4.2	4.2
Q4	0.3	1.0	0.9	-0.3	2.4	1.4	2.5	1.1	1.3	-0.1	0.5	0.3	2.2	-1.0	-1.0
2017 Q1	1.5	1.2	1.8	-0.5	1.4	-1.1	1.8	4.8	2.6	-0.1	3.9	8.0	-0.6	2.3	2.3
Q2	0.5	0.7	1.5	2.9	-	-0.2	4.6	4.7	-3.1	1.8	2.6	0.4	0.7	1.8	1.8
Q3	0.3	0.3	0.9	-0.1	-0.3	0.3	1.7	0.9	0.8	0.6	0.5	0.4	1.1	-1.9	-1.9
Q4	1.2	1.0	1.4	1.7	-0.2	0.8	-0.4	1.7	3.2	-0.6	1.0	0.4	-0.7	1.5	1.5
2018 Q1	1.7	1.9	1.0	1.3	-0.6	2.2	5.3	3.6	3.6	-1.4	1.3	1.0	-0.2	2.1	2.1
Q2	1.0	0.8	0.4	3.9	1.1	-0.7	2.3	1.2	0.9	-1.2	1.2	0.7	1.1	2.2	2.2
Q3	1.1	0.9	0.8	-0.1	1.4	1.1	2.2	3.0	-0.4	-0.3	0.9	0.5	-0.3	2.1	2.1
Q4	0.4	0.6	0.4	0.8	0.6	0.4	1.0	1.1	0.9	2.1	0.8	0.6	1.9	-0.3	-0.3
2019 Q1	0.6	0.5	0.6	0.7	2.1	0.4	1.1	1.3	-	0.5	0.4	0.4	-	0.4	0.4
Q2	0.6	0.5	0.8	-0.7	1.4	1.6	1.5	-0.6	0.9	-0.3	0.2	0.4	0.1	-2.0	-2.0
Q3	0.7	0.9	0.7	1.2	1.4	-0.1	-0.2	0.6	1.0	0.6	1.5	0.4	2.1	1.6	1.6

Percentage change, latest quarter on corresponding quarter of previous year

	KG7Y	KG7U	KG9V	KG7F	KG9G	KG7G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P
2016 Q2	5.5	5.1	3.8	1.7	2.5	5.8	6.8	6.2	4.8	4.6	7.1	9.8	4.9	3.4	3.4
Q3	5.8	4.9	5.1	0.9	2.1	4.1	6.6	5.2	3.9	6.6	6.1	8.2	3.6	8.7	8.7
Q4	5.2	5.0	4.9	-	4.0	6.3	4.4	1.1	4.8	4.7	4.7	2.2	4.7	5.8	5.8
2017 Q1	5.2	4.9	5.6	-	4.0	1.6	8.6	5.6	7.2	1.7	6.5	8.7	3.7	8.6	8.6
Q2	3.8	4.0	5.9	1.4	4.6	-	10.7	11.0	2.2	2.8	7.7	8.9	2.8	7.5	7.5
Q3	2.6	3.2	5.1	2.0	3.6	0.4	10.9	11.9	1.5	2.3	7.6	9.1	3.5	1.2	1.2
Q4	3.5	3.3	5.7	4.0	1.0	-0.1	7.7	12.5	3.4	1.7	8.1	9.2	0.6	3.8	3.8
2018 Q1	3.7	3.9	4.9	5.8	-0.9	3.2	11.4	11.3	4.4	0.4	5.3	2.1	1.0	3.6	3.6
Q2	4.3	4.1	3.8	6.9	0.1	2.7	9.0	7.6	8.8	-2.6	4.0	2.5	1.4	4.0	4.0
Q3	5.0	4.7	3.8	6.9	1.8	3.4	9.6	9.9	7.5	-3.5	4.4	2.6	0.1	8.1	8.1
Q4	4.3	4.3	2.7	6.0	2.6	3.0	11.2	9.3	5.1	-0.9	4.3	2.8	2.7	6.2	6.2
2019 Q1	3.1	2.8	2.2	5.4	5.3	1.1	6.7	6.8	1.4	1.1	3.4	2.3	2.8	4.5	4.5
Q2	2.7	2.5	2.6	0.8	5.6	3.5	6.0	4.9	1.4	2.0	2.3	1.9	1.8	0.1	0.1
Q3	2.4	2.5	2.4	2.1	5.5	2.3	3.5	2.4	2.8	2.9	2.9	1.8	4.2	-0.3	-0.3

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.

E2 Household final consumption expenditure (goods and services)

Current prices

£ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Total	Net tourism	Total	Total	Goods			Services
					Durable goods	Semi- durable goods	Non- durable goods	
					D	SD	ND	S
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
2015	1 189 246	8 468	1 180 778	477 119	111 270	120 780	245 069	703 659
2016	1 252 934	13 923	1 239 011	497 251	119 915	125 648	251 688	741 760
2017	1 300 305	13 958	1 286 347	521 294	123 088	135 344	262 862	765 053
2018	1 356 650	15 862	1 340 788	547 777	128 348	140 199	279 230	793 011
Seasonally adjusted								
2016 Q2	312 192	3 622	308 570	124 057	30 012	31 216	62 829	184 513
Q3	316 633	4 935	311 698	124 134	30 030	31 194	62 910	187 564
Q4	317 723	2 895	314 828	126 464	30 022	32 086	64 356	188 364
2017 Q1	322 444	3 704	318 740	128 370	30 457	33 263	64 650	190 370
Q2	323 934	3 096	320 838	129 378	30 337	33 719	65 322	191 460
Q3	325 010	3 302	321 708	130 759	31 148	33 947	65 664	190 949
Q4	328 917	3 856	325 061	132 787	31 146	34 415	67 226	192 274
2018 Q1	334 485	3 336	331 149	135 562	31 878	34 459	69 225	195 587
Q2	337 844	3 960	333 884	136 060	32 099	34 767	69 194	197 824
Q3	341 414	4 629	336 785	137 410	31 757	35 348	70 305	199 375
Q4	342 907	3 937	338 970	138 745	32 614	35 625	70 506	200 225
2019 Q1	344 886	4 341	340 545	139 656	33 058	36 367	70 231	200 889
Q2	347 126	4 865	342 261	141 986	33 511	36 885	71 590	200 275
Q3	349 476	4 248	345 228	142 429	33 369	37 417	71 643	202 799
Percentage change, latest year on previous year								
	KG Y7		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9
2015	2.9		2.8	1.4	5.6	5.1	-2.1	3.8
2016	5.4		4.9	4.2	7.8	4.0	2.7	5.4
2017	3.8		3.8	4.8	2.6	7.7	4.4	3.1
2018	4.3		4.2	5.1	4.3	3.6	6.2	3.7
Percentage change, latest quarter on previous quarter								
	KG Y8		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2016 Q2	1.9		1.5	1.2	0.5	0.2	2.0	1.8
Q3	1.4		1.0	0.1	0.1	-0.1	0.1	1.7
Q4	0.3		1.0	1.9	-	2.9	2.3	0.4
2017 Q1	1.5		1.2	1.5	1.4	3.7	0.5	1.1
Q2	0.5		0.7	0.8	-0.4	1.4	1.0	0.6
Q3	0.3		0.3	1.1	2.7	0.7	0.5	-0.3
Q4	1.2		1.0	1.6	-	1.4	2.4	0.7
2018 Q1	1.7		1.9	2.1	2.4	0.1	3.0	1.7
Q2	1.0		0.8	0.4	0.7	0.9	-	1.1
Q3	1.1		0.9	1.0	-1.1	1.7	1.6	0.8
Q4	0.4		0.6	1.0	2.7	0.8	0.3	0.4
2019 Q1	0.6		0.5	0.7	1.4	2.1	-0.4	0.3
Q2	0.6		0.5	1.7	1.4	1.4	1.9	-0.3
Q3	0.7		0.9	0.3	-0.4	1.4	0.1	1.3
Percentage change, latest quarter on corresponding quarter of previous year								
	KG Y9		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2016 Q2	5.5		5.1	4.3	9.1	4.1	2.3	5.6
Q3	5.8		4.9	2.9	6.0	2.1	1.8	6.3
Q4	5.2		5.0	4.9	4.0	3.2	6.2	5.0
2017 Q1	5.2		4.9	4.7	2.0	6.8	5.0	5.0
Q2	3.8		4.0	4.3	1.1	8.0	4.0	3.8
Q3	2.6		3.2	5.3	3.7	8.8	4.4	1.8
Q4	3.5		3.3	5.0	3.7	7.3	4.5	2.1
2018 Q1	3.7		3.9	5.6	4.7	3.6	7.1	2.7
Q2	4.3		4.1	5.2	5.8	3.1	5.9	3.3
Q3	5.0		4.7	5.1	2.0	4.1	7.1	4.4
Q4	4.3		4.3	4.5	4.7	3.5	4.9	4.1
2019 Q1	3.1		2.8	3.0	3.7	5.5	1.5	2.7
Q2	2.7		2.5	4.4	4.4	6.1	3.5	1.2
Q3	2.4		2.5	3.7	5.1	5.9	1.9	1.7

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 NATIONAL ²																
UK DOMESTIC ³																
COICOP ¹	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
	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	1 206 496	12 402	1 194 064	88 948	42 392	62 597	323 872	51 625	21 297	159 842	21 045	125 699	27 134	117 650	152 223	
2016	1 252 934	13 923	1 239 011	95 238	40 997	64 769	335 515	54 318	21 974	166 828	21 445	133 419	27 918	119 941	156 649	
2017	1 281 722	13 958	1 267 764	98 489	40 441	65 309	333 401	58 374	23 493	168 961	21 494	140 978	29 467	120 547	166 810	
2018	1 302 614	14 620	1 287 994	100 216	40 982	65 460	338 057	63 320	25 331	169 976	20 926	143 913	29 411	118 519	171 883	

Seasonally adjusted

2016 Q2	312 091	3 629	308 457	23 528	10 253	15 974	83 778	13 469	5 435	41 445	5 330	33 200	6 969	29 920	39 167	
Q3	315 828	3 695	312 125	24 081	10 219	16 192	83 963	13 768	5 490	42 601	5 367	33 449	6 991	30 452	39 542	
Q4	317 381	3 531	313 878	24 599	10 339	16 671	85 103	14 032	5 528	41 722	5 403	33 877	6 979	30 110	39 494	
2017 Q1	318 897	3 511	315 386	24 554	10 080	16 657	83 366	14 193	5 700	42 595	5 303	34 826	7 380	29 682	41 050	
Q2	319 788	3 185	316 603	24 562	10 191	16 392	83 211	14 686	5 913	41 577	5 426	35 370	7 368	30 304	41 603	
Q3	321 032	3 443	317 589	24 690	10 059	16 173	83 162	14 774	5 902	42 485	5 403	35 345	7 375	30 562	41 659	
Q4	322 005	3 819	318 186	24 683	10 111	16 087	83 662	14 721	5 978	42 304	5 362	35 437	7 344	29 999	42 498	
2018 Q1	323 391	3 023	320 368	24 879	10 092	15 978	84 727	15 389	6 220	42 707	5 319	35 700	7 351	29 739	42 267	
Q2	325 297	3 731	321 566	25 011	10 388	16 244	84 178	15 674	6 262	42 856	5 238	35 970	7 360	29 660	42 725	
Q3	326 716	4 219	322 497	25 110	10 280	16 556	84 568	16 061	6 404	42 110	5 164	36 050	7 360	29 410	43 424	
Q4	327 210	3 647	323 563	25 216	10 222	16 682	84 584	16 196	6 445	42 303	5 205	36 193	7 340	29 710	43 467	
2019 Q1	327 861	3 921	323 940	25 281	10 123	17 111	84 638	16 263	6 513	42 105	5 186	36 183	7 250	29 585	43 702	
Q2	329 364	4 434	324 930	25 289	10 060	17 362	85 409	16 377	6 430	42 535	5 116	36 319	7 222	29 391	43 420	
Q3	330 240	3 429	326 811	25 322	10 135	17 545	85 293	16 376	6 415	43 034	5 127	36 683	7 205	29 787	43 889	

Percentage change, latest year on previous year

	KGZ5	KG7O	KG9Y	KGf6	KGG4	KGH2	KGH8	KGI9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8	
2015	2.9	2.5	-1.0	-4.2	4.5	2.7	8.2	0.4	1.9	0.2	6.2	0.1	1.4	3.1	
2016	3.8	3.8	7.1	-3.3	3.5	3.6	5.2	3.2	4.4	1.9	6.1	2.9	1.9	2.9	
2017	2.3	2.3	3.4	-1.4	0.8	-0.6	7.5	6.9	1.3	0.2	5.7	5.5	0.5	6.5	
2018	1.6	1.6	1.8	1.3	0.2	1.4	8.5	7.8	0.6	-2.6	2.1	-0.2	-1.7	3.0	

Percentage change, latest quarter on previous quarter

	KGZ6	KG7R	KGA3	KGf7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9	
2016 Q2	1.4	1.3	2.2	0.7	0.3	1.3	3.2	-1.6	0.9	-0.3	0.9	-0.1	1.6	1.9	
Q3	1.2	1.2	2.4	-0.3	1.4	0.2	2.2	1.0	2.8	0.7	0.8	0.3	1.8	1.0	
Q4	0.5	0.6	2.2	1.2	3.0	1.4	1.9	0.7	-2.1	0.7	1.3	-0.2	-1.1	-0.1	
2017 Q1	0.5	0.5	-0.2	-2.5	-0.1	-2.0	1.1	3.1	2.1	-1.9	2.8	5.7	-1.4	3.9	
Q2	0.3	0.4	-	1.1	-1.6	-0.2	3.5	3.7	-2.4	2.3	1.6	-0.2	2.1	1.3	
Q3	0.4	0.3	0.5	-1.3	-0.1	-0.1	0.6	-0.2	2.2	-0.4	-0.1	0.1	0.9	0.1	
Q4	0.3	0.2	-	0.5	-0.5	0.6	-0.4	1.3	-0.4	-0.8	0.3	-0.4	-1.8	2.0	
2018 Q1	0.4	0.7	0.8	-0.2	-0.7	1.3	4.5	4.0	1.0	-0.8	0.7	0.1	-0.9	-0.5	
Q2	0.6	0.4	0.5	2.9	1.7	-0.6	1.9	0.7	0.3	-1.5	0.8	0.1	-0.3	1.1	
Q3	0.4	0.3	0.4	-1.0	1.9	0.5	2.5	2.3	-1.7	-1.4	0.2	-	-0.8	1.6	
Q4	0.2	0.3	0.4	-0.6	0.8	-	0.8	0.6	0.5	0.8	0.4	-0.3	1.0	0.1	
2019 Q1	0.2	0.1	0.3	-1.0	2.6	0.1	0.4	1.1	-0.5	-0.4	-	-1.2	-0.4	0.5	
Q2	0.5	0.3	-	-0.6	1.5	0.9	0.7	-1.3	1.0	-1.3	0.4	-0.4	-0.7	-0.6	
Q3	0.3	0.6	0.1	0.7	1.1	-0.1	-	-0.2	1.2	0.2	1.0	-0.2	1.3	1.1	

Percentage change, latest quarter on corresponding quarter of previous year

	KGZ7	KG7U	KGA6	KGf8	KGG6	KGH4	KGI2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGf2	
2016 Q2	3.6	3.4	6.2	-3.6	1.9	3.5	5.9	2.5	3.9	0.8	5.9	3.3	2.0	1.7	
Q3	3.8	3.8	8.4	-3.1	2.4	2.8	6.6	3.6	5.4	2.5	5.3	3.0	3.1	2.7	
Q4	4.7	4.6	9.4	-0.3	5.2	5.4	4.5	-0.1	3.3	3.2	5.5	1.3	2.1	5.1	
2017 Q1	3.7	3.6	6.6	-1.0	4.6	0.8	8.8	3.2	3.7	-0.8	5.9	5.7	0.8	6.8	
Q2	2.5	2.6	4.4	-0.6	2.6	-0.7	9.0	8.8	0.3	1.8	6.5	5.7	1.3	6.2	
Q3	1.6	1.8	2.5	-1.6	-0.1	-1.0	7.3	7.5	-0.3	0.7	5.7	5.5	0.4	5.4	
Q4	1.5	1.4	0.3	-2.2	-3.5	-1.7	4.9	8.1	1.4	-0.8	4.6	5.2	-0.4	7.6	
2018 Q1	1.4	1.6	1.3	0.1	-4.1	1.6	8.4	9.1	0.3	0.3	2.5	-0.4	0.2	3.0	
Q2	1.7	1.6	1.8	1.9	-0.9	1.2	6.7	5.9	3.1	-3.5	1.7	-0.1	-2.1	2.7	
Q3	1.8	1.5	1.7	2.2	2.4	1.7	8.7	8.5	-0.9	-4.4	2.0	-0.2	-3.8	4.2	
Q4	1.6	1.7	2.2	1.1	3.7	1.1	10.0	7.8	-	-2.9	2.1	-0.1	-1.0	2.3	
2019 Q1	1.4	1.1	1.6	0.3	7.1	-0.1	5.7	4.7	-1.4	-2.5	1.4	-1.4	-0.5	3.4	
Q2	1.3	1.0	1.1	-3.2	6.9	1.5	4.5	2.7	-0.7	-2.3	1.0	-1.9	-0.9	1.6	
Q3	1.1	1.3	0.8	-1.4	6.0	0.9	2.0	0.2	2.2	-0.7	1.8	-2.1	1.3	1.1	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

Reference year 2016, £ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Goods							
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2015	1 206 496	12 402	1 194 064	474 471	111 462	121 032	241 951	719 728
2016	1 252 934	13 923	1 239 011	497 251	119 915	125 648	251 688	741 760
2017	1 281 722	13 958	1 267 764	508 679	120 290	132 981	255 408	759 085
2018	1 302 614	14 620	1 287 994	520 853	122 959	135 539	262 355	767 141
Seasonally adjusted								
2016 Q2	312 091	3 629	308 457	123 623	29 817	31 141	62 664	184 835
Q3	315 828	3 695	312 125	124 829	30 193	31 231	63 399	187 315
Q4	317 381	3 531	313 878	126 906	30 302	32 341	64 260	186 957
2017 Q1	318 897	3 511	315 386	126 699	30 298	33 363	63 038	188 687
Q2	319 788	3 185	316 603	126 565	29 529	33 159	63 877	190 038
Q3	321 032	3 443	317 589	127 426	30 416	33 071	63 939	190 163
Q4	322 005	3 819	318 186	127 989	30 047	33 388	64 554	190 197
2018 Q1	323 391	3 023	320 368	129 703	30 780	33 368	65 555	190 665
Q2	325 297	3 731	321 566	129 936	30 833	33 618	65 485	191 630
Q3	326 716	4 219	322 497	130 329	30 432	34 184	65 713	192 168
Q4	327 210	3 647	323 563	130 885	30 914	34 369	65 602	192 678
2019 Q1	327 861	3 921	323 940	131 690	31 083	35 167	65 440	192 250
Q2	329 364	4 434	324 930	133 379	31 731	35 751	65 897	191 551
Q3	330 240	3 429	326 811	133 670	31 914	36 118	65 638	193 141
Percentage change, latest year on previous year								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2015	2.9		2.5	3.3	6.3	6.2	0.6	2.0
2016	3.8		3.8	4.8	7.6	3.8	4.0	3.1
2017	2.3		2.3	2.3	0.3	5.8	1.5	2.3
2018	1.6		1.6	2.4	2.2	1.9	2.7	1.1
Percentage change, latest quarter on previous quarter								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2016 Q2	1.4		1.3	1.4	0.7	0.7	2.1	1.2
Q3	1.2		1.2	1.0	1.3	0.3	1.2	1.3
Q4	0.5		0.6	1.7	0.4	3.6	1.4	-0.2
2017 Q1	0.5		0.5	-0.2	-	3.2	-1.9	0.9
Q2	0.3		0.4	-0.1	-2.5	-0.6	1.3	0.7
Q3	0.4		0.3	0.7	3.0	-0.3	0.1	0.1
Q4	0.3		0.2	0.4	-1.2	1.0	1.0	-
2018 Q1	0.4		0.7	1.3	2.4	-0.1	1.6	0.2
Q2	0.6		0.4	0.2	0.2	0.7	-0.1	0.5
Q3	0.4		0.3	0.3	-1.3	1.7	0.3	0.3
Q4	0.2		0.3	0.4	1.6	0.5	-0.2	0.3
2019 Q1	0.2		0.1	0.6	0.5	2.3	-0.2	-0.2
Q2	0.5		0.3	1.3	2.1	1.7	0.7	-0.4
Q3	0.3		0.6	0.2	0.6	1.0	-0.4	0.8
Percentage change, latest quarter on corresponding quarter of previous year								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2016 Q2	3.6		3.4	4.4	7.4	3.4	3.5	2.7
Q3	3.8		3.8	4.2	6.8	2.0	4.0	3.6
Q4	4.7		4.6	6.2	6.3	4.2	7.2	3.5
2017 Q1	3.7		3.6	3.9	2.3	7.8	2.7	3.3
Q2	2.5		2.6	2.4	-1.0	6.5	1.9	2.8
Q3	1.6		1.8	2.1	0.7	5.9	0.9	1.5
Q4	1.5		1.4	0.9	-0.8	3.2	0.5	1.7
2018 Q1	1.4		1.6	2.4	1.6	-	4.0	1.0
Q2	1.7		1.6	2.7	4.4	1.4	2.5	0.8
Q3	1.8		1.5	2.3	0.1	3.4	2.8	1.1
Q4	1.6		1.7	2.3	2.9	2.9	1.6	1.3
2019 Q1	1.4		1.1	1.5	1.0	5.4	-0.2	0.8
Q2	1.3		1.0	2.6	2.9	6.3	0.6	-
Q3	1.1		1.3	2.6	4.9	5.7	-0.1	0.5

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									
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property	Total	
	NPEK	RPZG	L62R	L62S	L62T	L62U	NPQS	TLPX	TLPW	GGAE	EQED	TLPK	NPQS	
2015	183 576	51 158	8 130	686	58 083	22 990	324 623	20 202	51 960	66 214	115 921	70 324	324 623	
2016	195 973	52 418	8 362	725	60 904	25 316	343 694	24 623	56 102	69 319	120 018	73 630	343 694	
2017	204 945	55 290	8 464	773	69 191	18 417	357 080	22 064	66 328	77 655	117 290	73 743	357 080	
2018	204 701	57 144	4 567	759	77 449	18 019	362 639	17 731	64 476	82 018	118 831	79 583	362 639	

Seasonally adjusted

2016 Q2	48 768	13 225	2 113	221	15 015	6 116	85 457	5 945	14 150	17 128	29 840	18 394	85 457	
Q3	49 931	13 679	2 086	169	15 312	6 074	87 250	7 068	14 089	17 401	30 255	18 437	87 250	
Q4	49 436	13 375	2 135	179	15 633	6 345	87 102	5 395	14 086	17 768	31 326	18 527	87 102	
2017 Q1	50 752	13 429	2 187	168	16 591	4 647	87 774	5 523	16 102	18 777	29 266	18 106	87 774	
Q2	51 268	13 910	2 285	218	16 850	4 594	89 125	5 852	16 985	19 135	28 896	18 257	89 125	
Q3	51 562	13 790	2 195	196	17 317	4 626	89 686	5 696	16 356	19 512	29 619	18 503	89 686	
Q4	51 363	14 161	1 797	191	18 433	4 550	90 495	4 993	16 885	20 231	29 509	18 877	90 495	
2018 Q1	51 512	13 643	1 234	175	18 595	4 542	89 701	5 104	16 237	19 830	29 000	19 530	89 701	
Q2	51 352	14 007	1 181	206	19 401	4 477	90 624	4 534	16 383	20 581	29 081	20 045	90 624	
Q3	50 979	14 539	1 069	191	19 725	4 506	91 009	3 971	15 981	20 796	30 161	20 100	91 009	
Q4	50 858	14 955	1 083	187	19 728	4 494	91 305	4 122	15 875	20 811	30 589	19 908	91 305	
2019 Q1	51 859	15 783	1 117	178	20 024	4 487	93 448	3 580	15 931	21 141	32 445	20 351	93 448	
Q2	52 650	15 174	1 128	197	20 099	4 445	93 693	4 981	14 623	21 228	32 528	20 333	93 693	
Q3	52 689	15 864	1 099	193	20 457	4 511	94 813	4 435	15 972	21 555	32 091	20 760	94 813	

Percentage change, latest year on previous year

	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2015	9.6	0.5	-2.0	4.7	6.5	0.8	6.5	20.8	1.8	5.4	10.2	2.0	6.5	
2016	6.8	2.5	2.9	5.7	4.9	10.1	5.9	21.9	8.0	4.7	3.5	4.7	5.9	
2017	4.6	5.5	1.2	6.6	13.6	-27.3	3.9	-10.4	18.2	12.0	-2.3	0.2	3.9	
2018	-0.1	3.4	-46.0	-1.8	11.9	-2.2	1.6	-19.6	-2.8	5.6	1.3	7.9	1.6	

Percentage change, latest quarter on previous quarter

	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2016 Q2	1.9	8.9	4.2	41.7	0.5	-9.8	1.9	-4.3	2.7	0.6	4.3	0.7	1.9	
Q3	2.4	3.4	-1.3	-23.5	2.0	-0.7	2.1	18.9	-0.4	1.6	1.4	0.2	2.1	
Q4	-1.0	-2.2	2.3	5.9	2.1	4.5	-0.2	-23.7	-	2.1	3.5	0.5	-0.2	
2017 Q1	2.7	0.4	2.4	-6.1	6.1	-26.8	0.8	2.4	14.3	5.7	-6.6	-2.3	0.8	
Q2	1.0	3.6	4.5	29.8	1.6	-1.1	1.5	6.0	5.5	1.9	-1.3	0.8	1.5	
Q3	0.6	-0.9	-3.9	-10.1	2.8	0.7	0.6	-2.7	-3.7	2.0	2.5	1.3	0.6	
Q4	-0.4	2.7	-18.1	-2.6	6.4	-1.6	0.9	-12.3	3.2	3.7	-0.4	2.0	0.9	
2018 Q1	0.3	-3.7	-31.3	-8.4	0.9	-0.2	-0.9	2.2	-3.8	-2.0	-1.7	3.5	-0.9	
Q2	-0.3	2.7	-4.3	17.7	4.3	-1.4	1.0	-11.2	0.9	3.8	0.3	2.6	1.0	
Q3	-0.7	3.8	-9.5	-7.3	1.7	0.6	0.4	-12.4	-2.5	1.0	3.7	0.3	0.4	
Q4	-0.2	2.9	1.3	-2.1	-	-0.3	0.3	3.8	-0.7	0.1	1.4	-1.0	0.3	
2019 Q1	2.0	5.5	3.1	-4.8	1.5	-0.2	2.3	-13.1	0.4	1.6	6.1	2.2	2.3	
Q2	1.5	-3.9	1.0	10.7	0.4	-0.9	0.3	39.1	-8.2	0.4	0.3	-0.1	0.3	
Q3	0.1	4.5	-2.6	-2.0	1.8	1.5	1.2	-11.0	9.2	1.5	-1.3	2.1	1.2	

Percentage change, latest quarter on corresponding quarter of previous year

	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2016 Q2	6.7	2.1	9.7	47.3	1.1	6.6	5.1	32.8	11.3	2.1	1.2	3.0	5.1	
Q3	9.5	11.1	3.3	-4.0	4.3	3.0	8.2	79.8	9.5	4.2	2.5	4.3	8.2	
Q4	5.1	9.0	7.9	2.3	5.8	3.2	5.7	-1.4	2.8	6.0	8.9	4.8	5.7	
2017 Q1	6.1	10.6	7.8	7.7	11.0	-31.5	4.6	-11.1	16.9	10.3	2.3	-0.9	4.6	
Q2	5.1	5.2	8.1	-1.4	12.2	-24.9	4.3	-1.6	20.0	11.7	-3.2	-0.7	4.3	
Q3	3.3	0.8	5.2	16.0	13.1	-23.8	2.8	-19.4	16.1	12.1	-2.1	0.4	2.8	
Q4	3.9	5.9	-15.8	6.7	17.9	-28.3	3.9	-7.5	19.9	13.9	-5.8	1.9	3.9	
2018 Q1	1.5	1.6	-43.6	4.2	12.1	-2.3	2.2	-7.6	0.8	5.6	-0.9	7.9	2.2	
Q2	0.2	0.7	-48.3	-5.5	15.1	-2.5	1.7	-22.5	-3.5	7.6	0.6	9.8	1.7	
Q3	-1.1	5.4	-51.3	-2.6	13.9	-2.6	1.5	-30.3	-2.3	6.6	1.8	8.6	1.5	
Q4	-1.0	5.6	-39.7	-2.1	7.0	-1.2	0.9	-17.4	-6.0	2.9	3.7	5.5	0.9	
2019 Q1	0.7	15.7	-9.5	1.7	7.7	-1.2	4.2	-29.9	-1.9	6.6	11.9	4.2	4.2	
Q2	2.5	8.3	-4.5	-4.4	3.6	-0.7	3.4	9.9	-10.7	3.1	11.9	1.4	3.4	
Q3	3.4	9.1	2.8	1.0	3.7	0.1	4.2	11.7	-0.1	3.6	6.4	3.3	4.2	

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									
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products		Total
	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2015	187 908	51 220	8 260	694	59 020	24 480	331 615	20 137	53 966	67 280	118 409	71 920	331 615	
2016	195 973	52 418	8 362	726	60 903	25 312	343 690	24 623	56 102	69 318	120 017	73 629	343 690	
2017	201 708	54 433	8 250	768	65 719	18 428	349 306	22 332	63 289	73 969	115 956	73 760	349 306	
2018	198 681	55 120	4 326	739	72 155	17 500	348 521	16 562	62 038	76 483	114 224	79 214	348 521	

Seasonally adjusted

2016 Q2	48 954	13 258	2 097	221	15 058	6 088	85 673	5 930	14 264	17 164	29 918	18 409	85 673	
Q3	49 745	13 617	2 048	169	15 227	6 012	86 818	6 961	14 097	17 284	30 010	18 443	86 818	
Q4	48 801	13 308	2 162	179	15 513	6 337	86 301	5 547	13 522	17 682	31 088	18 463	86 301	
2017 Q1	49 910	13 264	2 150	169	16 110	4 733	86 336	5 650	15 365	18 260	29 021	18 040	86 336	
Q2	50 490	13 949	2 217	218	16 025	4 652	87 551	5 950	16 483	18 242	28 579	18 297	87 551	
Q3	50 603	13 517	2 140	193	16 205	4 560	87 218	5 732	15 723	18 345	28 922	18 496	87 218	
Q4	50 705	13 703	1 743	188	17 379	4 483	88 201	5 000	15 718	19 122	29 434	18 927	88 201	
2018 Q1	50 275	13 160	1 160	172	17 958	4 444	87 169	4 810	15 390	19 116	28 359	19 494	87 169	
Q2	49 859	13 412	1 122	200	18 058	4 313	86 964	4 195	15 474	19 181	28 198	19 916	86 964	
Q3	49 411	14 208	1 009	186	18 046	4 385	87 245	3 658	15 612	19 057	28 835	20 083	87 245	
Q4	49 136	14 340	1 035	181	18 093	4 358	87 143	3 899	15 562	19 129	28 832	19 721	87 143	
2019 Q1	49 619	14 583	1 018	171	18 353	4 343	88 087	3 326	15 107	19 372	30 095	20 187	88 087	
Q2	49 659	14 175	1 057	189	18 266	4 255	87 601	4 382	13 316	19 326	30 396	20 181	87 601	
Q3	49 677	14 122	1 010	183	18 458	4 296	87 746	4 152	14 319	19 469	29 307	20 499	87 746	

Percentage change, latest year on previous year

	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2015	7.2	-4.5	-4.4	3.4	3.0	0.5	3.7	19.5	-1.1	2.0	5.7	1.8	3.7	
2016	4.3	2.3	1.2	4.6	3.2	3.4	3.6	22.3	4.0	3.0	1.4	2.4	3.6	
2017	2.9	3.8	-1.3	5.8	7.9	-27.2	1.6	-9.3	12.8	6.7	-3.4	0.2	1.6	
2018	-1.5	1.3	-47.6	-3.8	9.8	-5.0	-0.2	-25.8	-2.0	3.4	-1.5	7.4	-0.2	

Percentage change, latest quarter on previous quarter

	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2016 Q2	1.0	8.4	2.0	40.8	-0.3	-11.4	0.9	-4.1	0.3	-0.1	3.2	0.5	0.9	
Q3	1.6	2.7	-2.3	-23.5	1.1	-1.2	1.3	17.4	-1.2	0.7	0.3	0.2	1.3	
Q4	-1.9	-2.3	5.6	5.9	1.9	5.4	-0.6	-20.3	-4.1	2.3	3.6	0.1	-0.6	
2017 Q1	2.3	-0.3	-0.6	-5.6	3.8	-25.3	-	1.9	13.6	3.3	-6.6	-2.3	-	
Q2	1.2	5.2	3.1	29.0	-0.5	-1.7	1.4	5.3	7.3	-0.1	-1.5	1.4	1.4	
Q3	0.2	-3.1	-3.5	-11.5	1.1	-2.0	-0.4	-3.7	-4.6	0.6	1.2	1.1	-0.4	
Q4	0.2	1.4	-18.6	-2.6	7.2	-1.7	1.1	-12.8	-	4.2	1.8	2.3	1.1	
2018 Q1	-0.8	-4.0	-33.4	-8.5	3.3	-0.9	-1.2	-3.8	-2.1	-	-3.7	3.0	-1.2	
Q2	-0.8	1.9	-3.3	16.3	0.6	-2.9	-0.2	-12.8	0.5	0.3	-0.6	2.2	-0.2	
Q3	-0.9	5.9	-10.1	-7.0	-0.1	1.7	0.3	-12.8	0.9	-0.6	2.3	0.8	0.3	
Q4	-0.6	0.9	2.6	-2.7	0.3	-0.6	-0.1	6.6	-0.3	0.4	-	-1.8	-0.1	
2019 Q1	1.0	1.7	-1.6	-5.5	1.4	-0.3	1.1	-14.7	-2.9	1.3	4.4	2.4	1.1	
Q2	0.1	-2.8	3.8	10.5	-0.5	-2.0	-0.6	31.7	-11.9	-0.2	1.0	-	-0.6	
Q3	-	-0.4	-4.4	-3.2	1.1	1.0	0.2	-5.2	7.5	0.7	-3.6	1.6	0.2	

Percentage change, latest quarter on corresponding quarter of previous year

	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2016 Q2	4.5	3.0	8.7	45.4	-0.3	-1.2	3.1	31.0	8.6	0.8	-0.7	0.7	3.1	
Q3	6.7	11.4	0.7	-5.1	2.6	-3.5	5.7	76.0	5.9	2.4	0.2	1.7	5.7	
Q4	2.1	10.0	6.8	1.7	3.7	-1.8	3.4	3.4	-5.4	4.1	7.7	2.4	3.4	
2017 Q1	3.0	8.4	4.6	7.6	6.7	-31.2	1.7	-8.6	8.1	6.2	0.1	-1.5	1.7	
Q2	3.1	5.2	5.7	-1.4	6.4	-23.6	2.2	0.3	15.6	6.3	-4.5	-0.6	2.2	
Q3	1.7	-0.7	4.5	14.2	6.4	-24.2	0.5	-17.7	11.5	6.1	-3.6	0.3	0.5	
Q4	3.9	3.0	-19.4	5.0	12.0	-29.3	2.2	-9.9	16.2	8.1	-5.3	2.5	2.2	
2018 Q1	0.7	-0.8	-46.0	1.8	11.5	-6.1	1.0	-14.9	0.2	4.7	-2.3	8.1	1.0	
Q2	-1.2	-3.8	-49.4	-8.3	12.7	-7.3	-0.7	-29.5	-6.1	5.1	-1.3	8.8	-0.7	
Q3	-2.4	5.1	-52.9	-3.6	11.4	-3.8	-	-36.2	-0.7	3.9	-0.3	8.6	-	
Q4	-3.1	4.6	-40.6	-3.7	4.1	-2.8	-1.2	-22.0	-1.0	-	-2.0	4.2	-1.2	
2019 Q1	-1.3	10.8	-12.2	-0.6	2.2	-2.3	1.1	-30.9	-1.8	1.3	6.1	3.6	1.1	
Q2	-0.4	5.7	-5.8	-5.5	1.2	-1.3	0.7	4.5	-13.9	0.8	7.8	1.3	0.7	
Q3	0.5	-0.6	0.1	-1.6	2.3	-2.0	0.6	13.5	-8.3	2.2	1.6	2.1	0.6	

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.

G1 Changes in inventories at current prices ¹

£ million

	Mining and quarrying	Manufacturing industries				Elect- ricity, gas and water supply	Distributive trades		Other industries ³	Changes in inventories ³
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²		
Level of inventories held at end-December 2016	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
2015	FAHS 1 178	FAGF 1 382	FADY -110	FALR 538	NZTP 1 810	FAGI 26	FBHE -1 258	FAHA 1 341	CWVD 6 116	CAEX 9 213
2016	-2 302	926	1 840	112	2 878	80	-485	1 281	2 128	3 580
2017	-427	77	-1 864	850	-937	-79	5 771	-1 135	1 534	4 727
2018	-400	-411	3 197	-727	2 059	-449	3 613	-1 893	202	3 132
Seasonally adjusted										
2016 Q2	-1 087	-304	62	978	736	-1 755	-358	59	2 383	-22
Q3	-393	1 485	76	-722	839	1 232	-429	73	-503	819
Q4	-682	105	1 509	-524	1 090	1 370	525	1 116	-768	2 651
2017 Q1	-35	922	-1 318	-649	-1 045	47	1 451	-967	3 697	3 148
Q2	356	-567	970	314	717	-82	2 208	-186	-2 432	581
Q3	-7	-417	846	766	1 195	-17	226	-88	-1 043	266
Q4	-741	139	-2 362	419	-1 804	-27	1 886	106	1 312	732
2018 Q1	-269	-37	-77	-164	-278	-466	1 778	188	-1 736	-783
Q2	-134	-596	2 084	-346	1 142	60	-1 154	-1 036	1 121	-1
Q3	-187	-33	296	-6	257	-227	2 035	-484	-1 471	-77
Q4	190	255	894	-211	938	184	954	-561	2 288	3 993
2019 Q1	212	1 676	350	1 222	3 248	-78	1 159	290	166	4 997
Q2	-252	2 564	-834	-1 969	-239	-4	583	385	2 982	3 455
Q3	130	-170	-518	-1 052	-1 740	157	-666	-323	-2 822	-5 264

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

G2 Changes in inventories at chained volume measures¹

Reference year 2016, £ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades		Other industries ³	Changes in inventories ³
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²		
Level of inventories held at end-December 2016	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
2015	FAEA 2 993	FBNF 2 704	FBNG 774	FBNH 1 168	DHBM 4 605	FAEB -71	FAJX 596	FBYN 2 197	DLWX 8 021	CAFU 16 067
2016	-2 302	926	1 840	112	2 878	80	-485	1 281	2 128	3 580
2017	-1 441	-485	-3 076	393	-3 168	-435	3 883	-3 735	-4 081	-8 974
2018	-499	-908	3 250	-1 530	812	-644	1 740	-3 135	-3 770	-5 494
Seasonally adjusted										
2016 Q2	-508	-205	93	221	-285	-57	30	193	-483	-398
Q3	-809	1 508	-91	-53	1 721	16	-141	158	2 159	3 154
Q4	-168	-196	1 806	-101	1 571	193	-330	540	-902	-113
2017 Q1	-606	941	-1 894	-494	-1 447	-152	684	-1 344	2 288	-577
Q2	548	-815	537	120	-158	28	2 062	-557	-4 156	-2 232
Q3	-283	-554	843	372	661	-151	52	-689	-2 375	-2 784
Q4	-1 100	-57	-2 562	395	-2 224	-160	1 085	-1 145	162	-3 381
2018 Q1	-64	-44	-314	1	-357	-366	1 151	124	-3 195	-2 706
Q2	-336	-410	2 320	-661	1 249	-45	-1 280	-1 115	570	-957
Q3	-305	-84	170	-441	-355	-342	1 525	-688	-2 821	-2 985
Q4	206	-370	1 074	-429	275	109	344	-1 456	1 676	1 154
2019 Q1	257	1 821	-26	1 354	3 149	-1	1 207	460	-1 890	3 181
Q2	-275	2 081	-1 364	-2 120	-1 403	-31	-101	99	2 071	360
Q3	50	218	-589	-1 296	-1 667	59	-956	-525	-5 363	-8 400

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

H1 Exports and imports of goods and services

Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2015	285 960	244 089	530 049	403 657	152 850	556 507	-117 697	91 239	-26 458
2016	297 922	269 577	567 499	432 101	167 721	599 822	-134 179	101 856	-32 323
2017	337 466	291 619	629 085	473 361	180 851	654 212	-135 895	110 768	-25 127
2018	349 608	306 870	656 478	488 973	197 292	686 265	-139 365	109 578	-29 787
Seasonally adjusted									
2016 Q2	74 108	65 444	139 552	104 611	40 547	145 158	-30 503	24 897	-5 606
Q3	73 570	67 690	141 260	112 322	42 724	155 046	-38 752	24 966	-13 786
Q4	80 753	72 094	152 847	113 736	44 802	158 538	-32 983	27 292	-5 691
2017 Q1	82 138	71 279	153 417	116 161	44 684	160 845	-34 023	26 595	-7 428
Q2	84 864	72 791	157 655	118 181	45 292	163 473	-33 317	27 499	-5 818
Q3	84 557	74 467	159 024	119 272	45 684	164 956	-34 715	28 783	-5 932
Q4	85 907	73 082	158 989	119 747	45 191	164 938	-33 840	27 891	-5 949
2018 Q1	84 870	74 423	159 293	117 637	47 516	165 153	-32 767	26 907	-5 860
Q2	87 338	75 079	162 417	121 225	48 107	169 332	-33 887	26 972	-6 915
Q3	89 343	77 267	166 610	123 817	49 044	172 861	-34 474	28 223	-6 251
Q4	88 057	80 101	168 158	126 294	52 625	178 919	-38 237	27 476	-10 761
2019 Q1	89 100	78 862	167 962	139 179	51 641	190 820	-50 079	27 221	-22 858
Q2	85 388	76 782	162 170	120 044	53 032	173 076	-34 656	23 750	-10 906
Q3	94 115	81 091	175 206	123 337	52 279	175 616	-29 222	28 812	-410
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2015	-2.1	2.3	-0.1	-2.3	6.5	-			
2016	4.2	10.4	7.1	7.0	9.7	7.8			
2017	13.3	8.2	10.9	9.5	7.8	9.1			
2018	3.6	5.2	4.4	3.3	9.1	4.9			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2016 Q2	6.6	1.7	4.3	3.1	2.3	2.9			
Q3	-0.7	3.4	1.2	7.4	5.4	6.8			
Q4	9.8	6.5	8.2	1.3	4.9	2.3			
2017 Q1	1.7	-1.1	0.4	2.1	-0.3	1.5			
Q2	3.3	2.1	2.8	1.7	1.4	1.6			
Q3	-0.4	2.3	0.9	0.9	0.9	0.9			
Q4	1.6	-1.9	-	0.4	-1.1	-			
2018 Q1	-1.2	1.8	0.2	-1.8	5.1	0.1			
Q2	2.9	0.9	2.0	3.1	1.2	2.5			
Q3	2.3	2.9	2.6	2.1	1.9	2.1			
Q4	-1.4	3.7	0.9	2.0	7.3	3.5			
2019 Q1	1.2	-1.5	-0.1	10.2	-1.9	6.7			
Q2	-4.2	-2.6	-3.4	-13.7	2.7	-9.3			
Q3	10.2	5.6	8.0	2.7	-1.4	1.5			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2016 Q2	-0.3	7.7	3.3	4.0	6.1	4.6			
Q3	4.8	14.5	9.2	14.4	12.4	13.8			
Q4	14.7	13.5	14.1	13.5	14.4	13.7			
2017 Q1	18.2	10.8	14.6	14.5	12.7	14.0			
Q2	14.5	11.2	13.0	13.0	11.7	12.6			
Q3	14.9	10.0	12.6	6.2	6.9	6.4			
Q4	6.4	1.4	4.0	5.3	0.9	4.0			
2018 Q1	3.3	4.4	3.8	1.3	6.3	2.7			
Q2	2.9	3.1	3.0	2.6	6.2	3.6			
Q3	5.7	3.8	4.8	3.8	7.4	4.8			
Q4	2.5	9.6	5.8	5.5	16.5	8.5			
2019 Q1	5.0	6.0	5.4	18.3	8.7	15.5			
Q2	-2.2	2.3	-0.2	-1.0	10.2	2.2			
Q3	5.3	4.9	5.2	-0.4	6.6	1.6			

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	301 409	251 247	552 388	412 975	161 631	574 575	-22 187
2016	297 922	269 577	567 499	432 101	167 721	599 822	-32 323
2017	316 737	285 386	602 123	444 634	176 204	620 838	-18 715
2018	316 184	293 326	609 510	444 935	188 290	633 225	-23 715
Seasonally adjusted							
2016 Q2 ²	75 454	66 720	142 154	106 382	41 324	147 688	-5 534
Q3 ²	72 200	66 322	138 543	110 408	41 641	152 072	-13 529
Q4 ²	76 097	70 876	147 009	109 733	43 747	153 493	-6 484
2017 Q1	76 982	70 674	147 656	109 435	43 039	152 474	-4 818
Q2	80 051	71 139	151 190	111 732	44 230	155 962	-4 772
Q3	79 982	72 789	152 771	112 254	44 721	156 975	-4 204
Q4	79 722	70 784	150 506	111 213	44 214	155 427	-4 921
2018 Q1	79 251	71 771	151 022	109 736	46 114	155 850	-4 828
Q2	78 772	71 875	150 647	110 717	46 034	156 751	-6 104
Q3	80 293	73 840	154 133	111 472	46 541	158 013	-3 880
Q4	77 868	75 840	153 708	113 010	49 601	162 611	-8 903
2019 Q1	80 177	73 959	154 136	129 155	48 448	177 603	-23 467
Q2	75 621	72 178	147 799	108 693	49 740	158 433	-10 634
Q3	83 434	76 076	159 510	108 931	49 085	158 016	1 494
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2015	5.4	1.8	3.8	4.1	9.1	5.4	
2016	-1.2	7.3	2.7	4.6	3.8	4.4	
2017	6.3	5.9	6.1	2.9	5.1	3.5	
2018	-0.2	2.8	1.2	0.1	6.9	2.0	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2016 Q2	1.7	1.6	1.7	0.8	0.8	0.8	
Q3	-4.3	-0.6	-2.5	3.8	0.8	3.0	
Q4	5.4	6.9	6.1	-0.6	5.1	0.9	
2017 Q1	1.2	-0.3	0.4	-0.3	-1.6	-0.7	
Q2	4.0	0.7	2.4	2.1	2.8	2.3	
Q3	-0.1	2.3	1.0	0.5	1.1	0.6	
Q4	-0.3	-2.8	-1.5	-0.9	-1.1	-1.0	
2018 Q1	-0.6	1.4	0.3	-1.3	4.3	0.3	
Q2	-0.6	0.1	-0.2	0.9	-0.2	0.6	
Q3	1.9	2.7	2.3	0.7	1.1	0.8	
Q4	-3.0	2.7	-0.3	1.4	6.6	2.9	
2019 Q1	3.0	-2.5	0.3	14.3	-2.3	9.2	
Q2	-5.7	-2.4	-4.1	-15.8	2.7	-10.8	
Q3	10.3	5.4	7.9	0.2	-1.3	-0.3	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2016 Q2	-2.0	8.3	2.5	4.8	1.6	3.9	
Q3	-4.2	7.5	1.1	9.0	2.9	7.3	
Q4	1.4	9.8	5.3	4.9	6.1	5.2	
2017 Q1	3.8	7.6	5.6	3.7	5.0	4.0	
Q2	6.1	6.6	6.4	5.0	7.0	5.6	
Q3	10.8	9.8	10.3	1.7	7.4	3.2	
Q4	4.8	-0.1	2.4	1.3	1.1	1.3	
2018 Q1	2.9	1.6	2.3	0.3	7.1	2.2	
Q2	-1.6	1.0	-0.4	-0.9	4.1	0.5	
Q3	0.4	1.4	0.9	-0.7	4.1	0.7	
Q4	-2.3	7.1	2.1	1.6	12.2	4.6	
2019 Q1	1.2	3.0	2.1	17.7	5.1	14.0	
Q2	-4.0	0.4	-1.9	-1.8	8.1	1.1	
Q3	3.9	3.0	3.5	-2.3	5.5	-	

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	1 744 182	1 709 325	1 709 325	–	96.1	96.1	98.1	98.1	98.1
2016	1 778 133	1 778 133	1 778 134	–1	100.0	100.0	100.0	100.0	100.0
2017	1 813 229	1 846 693	1 846 694	–1	103.9	103.9	102.0	102.0	102.0
2018	1 832 207	1 907 477	1 911 067	–3 590	107.3	107.5	103.0	103.2	103.7
Seasonally adjusted									
2016 Q2	443 035	443 490	443 490	–	99.8	99.8	99.7	99.7	99.7
Q3	445 449	446 573	446 574	–1	100.5	100.5	100.2	100.2	100.2
Q4	448 704	452 082	452 082	–	101.7	101.7	100.9	100.9	100.9
2017 Q1	451 405	457 806	457 668	138	103.0	103.0	101.5	101.5	101.5
Q2	452 532	460 056	459 891	165	103.5	103.5	101.8	101.8	101.8
Q3	453 971	461 067	460 954	113	103.7	103.7	102.1	102.1	102.1
Q4	455 321	467 764	468 181	–417	105.2	105.3	102.4	102.5	102.6
2018 Q1	455 283	471 951	472 227	–276	106.2	106.2	102.4	102.5	102.8
Q2	457 521	474 230	474 431	–201	106.7	106.7	102.9	103.0	103.4
Q3	459 609	480 138	481 125	–987	108.0	108.2	103.4	103.6	104.1
Q4	459 794	481 158	483 284	–2 126	108.2	108.7	103.4	103.9	104.4
2019 Q1	462 662	486 447	488 573	–2 126	109.4	109.9	104.1	104.5	105.0
Q2	461 936	491 098	492 773	–1 675	110.5	110.9	103.9	104.3	104.9
Q3	463 991	495 635	496 829	–1 194	111.5	111.8	104.4	104.6	105.3
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2015	2.2	3.0	3.0		3.0	3.0	2.2	2.2	2.2
2016	1.9	4.0	4.0		4.0	4.0	1.9	1.9	1.9
2017	2.0	3.9	3.9		3.9	3.9	2.0	2.0	2.0
2018	1.0	3.3	3.5		3.3	3.5	1.0	1.2	1.6
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2016 Q2	0.5	1.7	1.7		1.7	1.7	0.5	0.5	0.5
Q3	0.5	0.7	0.7		0.7	0.7	0.5	0.5	0.5
Q4	0.7	1.2	1.2		1.2	1.2	0.7	0.7	0.7
2017 Q1	0.6	1.3	1.2		1.3	1.2	0.6	0.6	0.6
Q2	0.2	0.5	0.5		0.5	0.5	0.2	0.2	0.3
Q3	0.3	0.2	0.2		0.2	0.2	0.3	0.3	0.4
Q4	0.3	1.5	1.6		1.5	1.6	0.3	0.4	0.5
2018 Q1	–	0.9	0.9		0.9	0.9	–	–	0.2
Q2	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.6
Q3	0.5	1.2	1.4		1.2	1.4	0.5	0.6	0.7
Q4	–	0.2	0.4		0.2	0.4	–	0.3	0.3
2019 Q1	0.6	1.1	1.1		1.1	1.1	0.6	0.6	0.6
Q2	–0.2	1.0	0.9		1.0	0.9	–0.2	–0.3	–0.2
Q3	0.4	0.9	0.8		0.9	0.8	0.4	0.3	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2016 Q2	1.8	3.7	3.7		3.7	3.7	1.8	1.8	1.8
Q3	2.0	4.1	4.1		4.1	4.1	2.0	2.0	2.0
Q4	2.0	4.8	4.8		4.8	4.8	2.0	2.0	2.0
2017 Q1	2.4	5.0	5.0		5.0	5.0	2.4	2.3	2.3
Q2	2.1	3.7	3.7		3.7	3.7	2.1	2.1	2.1
Q3	1.9	3.2	3.2		3.2	3.2	1.9	1.9	1.9
Q4	1.5	3.5	3.6		3.5	3.6	1.5	1.6	1.7
2018 Q1	0.9	3.1	3.2		3.1	3.2	0.9	0.9	1.3
Q2	1.1	3.1	3.2		3.1	3.2	1.1	1.2	1.6
Q3	1.2	4.1	4.4		4.1	4.4	1.2	1.5	1.9
Q4	1.0	2.9	3.2		2.9	3.2	1.0	1.3	1.7
2019 Q1	1.6	3.1	3.5		3.1	3.5	1.6	2.0	2.2
Q2	1.0	3.6	3.9		3.6	3.9	1.0	1.3	1.4
Q3	1.0	3.2	3.3		3.2	3.3	1.0	1.0	1.2

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			
	DMUN	DMUM	DMUQ
2016 Q2	-954	-961	-799
Q3	1 861	1 852	-1 791
Q4	-1 984	-1 972	1 827
2017 Q1	1 863	1 833	126
Q2	-1 967	-1 937	-241
Q3	-349	-342	44
Q4	453	446	71
2018 Q1	-739	-713	1 960
Q2	1 620	1 560	-403
Q3	-2 085	-1 997	431
Q4	1 204	1 150	-1 988
2019 Q1	-1 655	-1 576	-1 756
Q2	1 319	1 242	547
Q3	-1 924	-1 805	977

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

Selected financial year variables 1,2

£ millions except deflator index which is 2018/19 = 100

	Current prices					Chained Volume Measures (reference year 2016)				
	Gross domestic product at market prices	Gross domestic product at market prices non seasonally adjusted	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Gross domestic product at market prices	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Implied GDP deflator at market prices ^{3 4}
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2015/16	1 934 489	1 934 600	1 723 821	375 641	49 666	1 967 966	1 752 769	380 173	49 428	94.0835
2016/17	2 019 115	2 019 484	1 799 847	383 393	53 708	2 006 495	1 788 490	381 572	53 447	96.3111
2017/18	2 086 798	2 085 654	1 861 834	388 194	55 504	2 038 569	1 818 069	382 586	54 329	97.9750
2018/19	2 163 287	2 167 078	1 928 587	400 420	59 284	2 070 498	1 845 908	386 873	56 543	100.0000
Seasonally adjusted										
2016 Q2	497 571	496 920	443 490	95 240	13 225	497 593	443 035	95 290	13 258	95.7085
Q3	500 711	495 160	446 574	95 635	13 679	499 836	445 450	95 386	13 617	95.8802
Q4	507 375	511 554	452 082	96 021	13 375	503 083	448 704	95 477	13 308	96.5292
2017 Q1	513 458	515 850	457 701	96 497	13 429	505 983	451 301	95 419	13 264	97.1267
Q2	515 534	512 093	459 955	95 869	13 910	507 255	452 432	95 460	13 949	97.2748
Q3	517 788	513 359	461 056	96 670	13 790	508 982	453 960	95 724	13 517	97.3686
Q4	524 887	530 365	468 191	97 631	14 161	511 014	455 736	95 905	13 703	98.3111
2018 Q1	528 589	529 837	472 632	98 024	13 643	511 318	455 941	95 497	13 160	98.9456
Q2	533 844	530 412	475 041	98 355	14 007	514 011	458 302	95 430	13 412	99.4057
Q3	539 878	535 871	481 547	99 472	14 539	517 029	460 958	95 991	14 208	99.9425
Q4	541 993	548 184	483 362	100 379	14 955	518 136	461 901	97 235	14 340	100.1197
2019 Q1	547 572	552 611	488 637	102 214	15 783	521 322	464 747	98 217	14 583	100.5321
Q2	552 581	546 045	493 152	104 239	15 174	520 356	463 870	99 354	14 175	101.6401
Q3	556 672	551 474	497 548	104 390	15 864	522 525	465 786	98 715	14 122	101.9675
Percentage change, latest financial year on previous financial year										
2015/16	3.2	3.4	3.1	1.5	-2.5	2.3	2.1	2.2	-6.5	0.9
2016/17	4.4	4.4	4.4	2.1	8.1	2.0	2.0	0.4	8.1	2.4
2017/18	3.4	3.3	3.4	1.3	3.3	1.6	1.7	0.3	1.7	1.7
2018/19	3.7	3.9	3.6	3.1	6.8	1.6	1.5	1.1	4.1	2.1
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2016 Q2	1.6	1.0	1.7	0.6	8.9	0.5	0.5	-0.1	8.4	1.0
Q3	0.6	-0.4	0.7	0.4	3.4	0.5	0.5	0.1	2.7	0.2
Q4	1.3	3.3	1.2	0.4	-2.2	0.6	0.7	0.1	-2.3	0.7
2017 Q1	1.2	0.8	1.2	0.5	0.4	0.6	0.6	-0.1	-0.3	0.6
Q2	0.4	-0.7	0.5	-0.7	3.6	0.3	0.3	-	5.2	0.2
Q3	0.4	0.2	0.2	0.8	-0.9	0.3	0.3	0.3	-3.1	0.1
Q4	1.4	3.3	1.5	1.0	2.7	0.4	0.4	0.2	1.4	1.0
2018 Q1	0.7	-0.1	0.9	0.4	-3.7	0.1	-	-0.4	-4.0	0.6
Q2	1.0	0.1	0.5	0.3	2.7	0.5	0.5	-0.1	1.9	0.5
Q3	1.1	1.0	1.4	1.1	3.8	0.6	0.6	0.6	5.9	0.5
Q4	0.4	2.3	0.4	0.9	2.9	0.2	0.2	1.3	0.9	0.2
2019 Q1	1.0	0.8	1.1	1.8	5.5	0.6	0.6	1.0	1.7	0.4
Q2	0.9	-1.2	0.9	2.0	-3.9	-0.2	-0.2	1.2	-2.8	1.1
Q3	0.7	1.0	0.9	0.1	4.5	0.4	0.4	-0.6	-0.4	0.3
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2016 Q2	3.8	4.7	3.7	2.3	2.1	1.9	1.8	0.8	3.0	1.9
Q3	4.1	3.9	4.1	1.3	11.1	1.9	2.0	0.2	11.4	2.1
Q4	4.8	4.1	4.8	2.7	9.0	1.8	2.0	0.5	10.0	3.0
2017 Q1	4.8	4.9	5.0	2.0	10.6	2.2	2.3	0.1	8.4	2.5
Q2	3.6	3.1	3.7	0.7	5.2	1.9	2.1	0.2	5.2	1.6
Q3	3.4	3.7	3.2	1.1	0.8	1.8	1.9	0.4	-0.7	1.6
Q4	3.5	3.7	3.6	1.7	5.9	1.6	1.6	0.4	3.0	1.8
2018 Q1	2.9	2.7	3.3	1.6	1.6	1.1	1.0	0.1	-0.8	1.9
Q2	3.6	3.6	3.3	2.6	0.7	1.3	1.3	-	-3.8	2.2
Q3	4.3	4.4	4.4	2.9	5.4	1.6	1.5	0.3	5.1	2.6
Q4	3.3	3.4	3.2	2.8	5.6	1.4	1.4	1.4	4.6	1.8
2019 Q1	3.6	4.3	3.4	4.3	15.7	2.0	1.9	2.8	10.8	1.6
Q2	3.5	2.9	3.8	6.0	8.3	1.2	1.2	4.1	5.7	2.2
Q3	3.1	2.9	3.3	4.9	9.1	1.1	1.0	2.8	-0.6	2.0

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

2 All data are seasonally adjusted unless otherwise specified.

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

purposes, whereas in table A1 it is expressed as 2016 = 100.

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

O Selected implied deflators¹

2018 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2015	94.0858	94.0791	94.1346
2016	95.8646	96.0900	96.0516
2017	97.9622	97.9086	97.8270
2018	100.0000	100.0000	100.0000
Seasonally adjusted			
2016 Q2	95.8719	96.0896	96.1541
Q3	96.0990	96.2620	96.2979
Q4	96.5133	96.9136	96.7786
2017 Q1	97.7611	97.5134	97.4177
Q2	97.6143	97.6622	97.6527
Q3	97.8363	97.7563	97.5570
Q4	98.6373	98.7026	98.6806
2018 Q1	99.2681	99.3396	99.5719
Q2	99.6738	99.8016	99.5638
Q3	100.5110	100.3405	100.3459
Q4	100.5471	100.5183	100.5184
2019 Q1	100.3794	100.9324	100.9932
Q2	101.7354	102.0448	102.1190
Q3	102.5029	102.3735	102.6055
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2015	0.1	0.6	0.8
2016	1.9	2.1	2.0
2017	2.2	1.9	1.8
2018	2.1	2.1	2.2
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2016 Q2	0.9	1.0	1.2
Q3	0.2	0.2	0.1
Q4	0.4	0.7	0.5
2017 Q1	1.3	0.6	0.7
Q2	-0.2	0.2	0.2
Q3	0.2	0.1	-0.1
Q4	0.8	1.0	1.2
2018 Q1	0.6	0.6	0.9
Q2	0.4	0.5	-
Q3	0.8	0.5	0.8
Q4	-	0.2	0.2
2019 Q1	-0.2	0.4	0.5
Q2	1.4	1.1	1.1
Q3	0.8	0.3	0.5
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2016 Q2	1.8	1.9	1.9
Q3	1.7	2.1	2.1
Q4	2.9	3.0	2.7
2017 Q1	2.9	2.5	2.6
Q2	1.8	1.6	1.6
Q3	1.8	1.6	1.3
Q4	2.2	1.8	2.0
2018 Q1	1.5	1.9	2.2
Q2	2.1	2.2	2.0
Q3	2.7	2.6	2.9
Q4	1.9	1.8	1.9
2019 Q1	1.1	1.6	1.4
Q2	2.1	2.2	2.6
Q3	2.0	2.0	2.3

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	1 916 896	29 441	1 957 920	30 071
2016	65 648	1 995 478	30 397	1 995 478	30 397
2017	66 040	2 071 667	31 370	2 033 234	30 788
2018	66 436	2 144 304	32 276	2 060 494	31 015
Seasonally adjusted					
2016 Q2	65 648	497 571	7 579	497 593	7 580
Q3	65 746	500 711	7 616	499 836	7 603
Q4	65 844	507 375	7 706	503 083	7 641
2017 Q1	65 942	513 458	7 787	505 983	7 673
Q2	66 040	515 534	7 806	507 255	7 681
Q3	66 139	517 788	7 829	508 982	7 696
Q4	66 238	524 887	7 924	511 014	7 715
2018 Q1	66 337	528 589	7 968	511 318	7 708
Q2	66 436	533 844	8 035	514 011	7 737
Q3	66 535	539 878	8 114	517 029	7 771
Q4	66 634	541 993	8 134	518 136	7 776
2019 Q1	66 734	547 572	8 205	521 322	7 812
Q2	66 833	552 581	8 268	520 356	7 786
Q3	66 924	556 672	8 318	522 525	7 808
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2015		3.0	2.1	2.4	1.6
2016		4.1	3.2	1.9	1.1
2017		3.8	3.2	1.9	1.3
2018		3.5	2.9	1.3	0.7
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2016 Q2		1.6	1.4	0.5	0.3
Q3		0.6	0.5	0.5	0.3
Q4		1.3	1.2	0.6	0.5
2017 Q1		1.2	1.1	0.6	0.4
Q2		0.4	0.2	0.3	0.1
Q3		0.4	0.3	0.3	0.2
Q4		1.4	1.2	0.4	0.2
2018 Q1		0.7	0.6	0.1	-0.1
Q2		1.0	0.8	0.5	0.4
Q3		1.1	1.0	0.6	0.4
Q4		0.4	0.2	0.2	0.1
2019 Q1		1.0	0.9	0.6	0.5
Q2		0.9	0.8	-0.2	-0.3
Q3		0.7	0.6	0.4	0.3
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2016 Q2		3.8	2.9	1.9	1.1
Q3		4.1	3.3	1.9	1.1
Q4		4.8	4.1	1.8	1.1
2017 Q1		4.8	4.1	2.2	1.6
Q2		3.6	3.0	1.9	1.3
Q3		3.4	2.8	1.8	1.2
Q4		3.5	2.8	1.6	1.0
2018 Q1		2.9	2.3	1.1	0.5
Q2		3.6	2.9	1.3	0.7
Q3		4.3	3.6	1.6	1.0
Q4		3.3	2.7	1.4	0.8
2019 Q1		3.6	3.0	2.0	1.3
Q2		3.5	2.9	1.2	0.6
Q3		3.1	2.5	1.1	0.5

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

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

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

Revisions Analysis¹

Revisions since previously published estimates

£ million

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	4 026
less Basic price adjustment	KB7E	52
Gross value added at basic prices	KB7F	3 974

Gross domestic product: expenditure at current prices (Table C1)

National expenditure on goods and services at market prices

Households	KB7K	1 921
Non-profit institutions serving households	KB7L	-15
General government	KB7M	243
Gross fixed capital formation	KB7N	-544
Changes in inventories	KB7O	-1 196
Acquisitions less disposals of valuables	KB7P	897
Total	KB7Q	1 306
Total exports	KB7R	14 248
Total imports	KB7S	6 306
Statistical discrepancy (expenditure)	KB7T	-5 222

Gross domestic product: income at current prices (Table D)

Compensation of employees	KB7U	727
Gross operating surplus of corporations	KB7V	101
Other income	KB7W	-2 966
Gross value added at factor cost	KB7X	-2 138
Taxes on products & production less Subsidies	KB7Y	3
Statistical discrepancy (income)	KB7Z	6 161

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

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	-0.1

Percentage changes in volume of GVA output components (Table B1)

GVA at basic prices		
Agriculture, forestry and fishing	KB83	1.0
Mining and quarrying inc oil & gas extraction	KB84	0.5
Manufacturing	KB85	0.5
Electricity, gas, steam and air	KB86	0.3
Water supply, sewerage	KNT7	2.3
Total Production	KB87	0.7
Construction	KB88	0.4
Distribution, hotels and restaurants	KB89	0.2
Transport storage and communications	KB8A	0.6
Business services and finance	KB8B	-0.3
Government and other services	KB8C	-0.4
Total services	KB8D	-0.1
Total GVA	KB8E	-0.1
Total GVA excluding Oil	KB8F	0.3

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	-0.5
General government	KB8I	-0.2
Gross fixed capital formation	KB8J	-0.1
Total	KB8K	-0.1
Total exports	KB8L	2.1
Total imports	KB8M	1.3

Revisions Analysis¹

Revisions since previously published estimates

continued

£ million

		2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1	2019 Q2	2019 Q3
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	826	1 456	1 122	622	-312	683	1 743
less Basic price adjustment	KB7E	5	-95	126	16	-6	152	-626
Gross value added at basic prices	KB7F	821	1 551	996	606	-306	531	2 369
Gross domestic product: expenditure at current prices (Table C1)								
National expenditure on goods and services at market prices								
Households	KB7K	250	48	836	787	1 189	886	736
Non-profit institutions serving households	KB7L	-4	1	-5	-7	-1	-4	-14
General government	KB7M	-126	183	443	-257	-2	-202	-1 628
Gross fixed capital formation	KB7N	-196	-6	-242	-100	-254	795	1 469
Changes in inventories	KB7O	1 456	-2 645	-878	871	-24	1 088	-2 690
Acquisitions less disposals of valuables	KB7P	-2	-5	-10	914	819	-184	211
Total	KB7Q	1 378	-2 424	144	2 208	1 727	2 379	-1 916
Total exports	KB7R	1 586	5 794	4 304	2 564	1 182	5 284	9 508
Total imports	KB7S	1 660	665	1 654	2 327	1 291	4 796	3 508
Statistical discrepancy (expenditure)	KB7T	-478	-1 249	-1 672	-1 823	-1 930	-2 184	-2 341
Gross domestic product: income at current prices (Table D)								
Compensation of employees	KB7U	255	40	175	257	443	510	851
Gross operating surplus of corporations	KB7V	661	747	-434	-873	-1 911	-894	914
Other income	KB7W	-244	-561	-792	-1 369	-1 666	-2 063	-2 655
Gross value added at factor cost	KB7X	672	226	-1 051	-1 985	-3 134	-2 447	-890
Taxes on products & production less Subsidies	KB7Y	-430	-42	288	187	211	202	-458
Statistical discrepancy (income)	KB7Z	584	1 272	1 885	2 420	2 611	2 928	3 091

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

		2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1	2019 Q2	2019 Q3
Latest less previously published growth rates for GDP in chained volume terms								
Percentage changes in volume of GDP (Table A2)								
Gross domestic product chained volume measures								
Quarter on quarter growth	KB82	-	-	-	-0.1	-	-	0.1
Quarter on same quarter a year earlier	KB94	-	-	-	-0.1	-0.1	-0.1	0.1
Percentage changes in volume of GVA output components (Table B1)								
GVA at basic prices quarter on quarter growth								
Agriculture, forestry and fishing	KB83	1.0	-0.1	-	-0.1	-0.4	0.1	0.1
Mining and quarrying inc oil & gas extraction	KB84	0.7	-0.2	-0.2	0.3	-0.2	-0.1	1.6
Manufacturing	KB85	0.5	0.2	-	-0.2	0.4	0.2	0.1
Electricity, gas, steam and air	KB86	0.4	-	0.4	-0.7	-	-0.8	-1.1
Water supply, sewerage	KNT7	0.5	1.9	0.2	0.8	-0.8	0.3	0.4
Total Production	KB87	0.4	0.3	0.1	-0.2	0.2	0.1	0.1
Construction	KB88	0.4	0.1	-0.1	-0.2	0.1	0.2	0.6
Distribution, hotels and restaurants	KB89	0.2	-	0.1	-0.2	0.3	0.1	0.1
Transport storage and communications	KB8A	0.7	-0.2	0.2	-0.1	-0.2	-0.1	-
Business services and finance	KB8B	-0.3	-0.2	-	-	0.1	-0.1	0.2
Government and other services	KB8C	-0.5	0.1	-	0.1	-0.1	0.2	0.1
Total services	KB8D	-0.1	-	0.1	-	-	0.1	0.1
Total GVA	KB8E	-	-	-	-0.1	-	-	0.1
Total GVA excluding Oil	KB8F	0.2	0.1	-	-	-	-	0.2
Percentage changes in volume of GDP expenditure components (Table C2)								
National expenditure on goods and services at market prices quarter on quarter growth								
Households	KB8G	-0.1	0.1	0.1	-	-0.1	0.1	-0.1
Non-profit institutions serving households	KB8H	-0.4	-0.1	-0.2	-	-0.1	0.2	0.4
General government	KB8I	-0.2	-0.1	0.2	-0.3	0.2	0.1	-0.9
Gross fixed capital formation	KB8J	-0.3	0.2	-0.2	-	0.2	0.3	0.4
Total	KB8K	0.1	-0.5	0.2	0.2	0.1	0.1	-1.0
Total exports	KB8L	1.0	2.4	-1.1	-0.8	-1.3	2.5	2.7
Total imports	KB8M	1.2	0.2	-0.1	0.1	-1.1	2.2	-1.1

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2016	-5.5	1.1	-2.0	0.2	3.7	7.1	3.9	2.0	3.7	2.8	2.7	-0.5
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
Contributions to growth	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2016	-0.04	0.16	-0.02	0.02	0.06	0.09	0.24	1.58	0.49	0.29	0.90	-0.10
2017	0.04	0.24	0.01	0.23	-0.03	0.03	0.39	1.32	0.32	0.39	0.35	0.26
2018	-0.02	0.11	0.04	0.09	-0.02	0.01	-	1.58	0.40	0.42	0.59	0.15
Percentage change, latest quarter on previous quarter												
Growth	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017 Q2	0.1	-0.4	1.0	-0.1	0.9	-4.0	0.3	0.4	0.5	1.6	-0.2	0.5
Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.8	1.3	-1.1	2.4	-2.8	-1.4	1.7	0.4	1.2	1.3	-0.2	0.5
Q2	-0.3	-1.7	-1.2	-2.6	2.0	1.5	-1.0	0.2	0.1	0.5	-0.1	0.4
Q3	-0.1	0.1	-0.1	0.1	-1.8	1.6	1.2	0.5	0.2	0.6	0.5	0.5
Contributions to growth	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2017 Q2	-	-0.05	0.01	-0.01	0.01	-0.05	0.02	0.28	0.06	0.18	-0.06	0.10
Q3	-	0.12	0.01	0.10	-	0.01	0.01	0.24	0.05	0.06	0.17	-0.05
Q4	-0.01	0.14	-0.02	0.16	-	0.01	0.05	0.28	0.02	0.12	0.18	-0.04
2018 Q1	-0.01	-0.02	0.01	-0.02	0.02	-0.02	-0.11	0.34	0.06	-0.01	0.24	0.05
Q2	-0.01	-0.06	0.04	-0.04	-0.07	0.03	0.05	0.61	0.25	0.16	0.11	0.09
Q3	-	0.08	0.03	0.01	0.02	0.02	0.06	0.52	0.16	0.23	0.06	0.08
Q4	-	-0.12	-0.01	-0.08	-0.01	-0.01	-	0.41	0.07	0.14	0.12	0.09
2019 Q1	-0.01	0.18	-0.01	0.23	-0.04	-0.02	0.11	0.34	0.16	0.15	-0.08	0.11
Q2	-	-0.23	-0.01	-0.26	0.03	0.02	-0.06	0.14	0.02	0.06	-0.03	0.09
Q3	-	0.01	-	0.01	-0.03	0.02	0.07	0.37	0.02	0.07	0.17	0.11
Percentage change, latest quarter on corresponding quarter of previous year												
Growth	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2017 Q2	6.6	0.2	2.8	0.6	-3.7	0.2	6.5	2.1	2.8	4.6	1.3	1.6
Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-2.3	0.6	5.4	1.2	-7.2	1.7	3.6	2.4	4.8	6.2	0.6	1.7
Q2	-1.6	-0.8	-0.6	-1.1	-0.2	1.0	1.8	1.8	3.0	5.3	0.2	1.7
Q3	-1.4	-1.3	-3.7	-1.0	-3.5	0.8	1.9	1.6	2.0	3.8	0.5	1.8
Contributions to growth	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2017 Q2	0.04	0.02	0.02	0.06	-0.06	-	0.40	1.63	0.37	0.49	0.43	0.35
Q3	0.05	0.27	-	0.26	-0.01	0.02	0.36	1.23	0.38	0.35	0.21	0.30
Q4	0.03	0.31	0.02	0.33	-0.05	0.01	0.33	0.97	0.17	0.38	0.20	0.22
2018 Q1	-0.02	0.20	0.01	0.21	0.04	-0.06	-0.04	1.15	0.19	0.35	0.54	0.07
Q2	-0.02	0.19	0.04	0.18	-0.05	0.03	-0.01	1.48	0.39	0.33	0.71	0.05
Q3	-0.03	0.15	0.05	0.10	-0.03	0.04	0.05	1.77	0.49	0.49	0.60	0.18
Q4	-0.02	-0.12	0.06	-0.14	-0.04	0.02	-	1.90	0.54	0.52	0.53	0.31
2019 Q1	-0.02	0.08	0.05	0.12	-0.11	0.02	0.22	1.89	0.64	0.68	0.20	0.36
Q2	-0.01	-0.10	-0.01	-0.11	-	0.01	0.11	1.42	0.41	0.59	0.06	0.36
Q3	-0.01	-0.17	-0.04	-0.10	-0.05	0.01	0.12	1.26	0.27	0.43	0.18	0.39

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

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

Short Guide to National Accounts

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

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	Households	Non-profit institutions ³	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2016	3.8	-1.5	1.0	-0.6	3.6	4.3	2.7	4.4	
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5	
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2016	2.39	-0.04	0.19	-0.10	0.62	0.41	0.76	1.28	-0.52
2017	1.44	—	0.05	-0.29	0.28	0.29	1.74	1.05	0.68
2018	1.02	—	0.08	0.25	-0.04	-0.15	0.37	0.63	-0.26
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2017 Q2	0.3	0.5	—	0.3	1.4	1.2	2.4	2.3	
Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6	
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0	
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3	
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6	
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8	
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9	
2019 Q1	0.2	-0.2	1.0	18.2	1.1	1.0	0.3	9.2	
Q2	0.5	-0.9	1.2	-15.4	-0.6	0.1	-4.1	-10.8	
Q3	0.3	0.9	-0.6	-11.4	0.2	—	7.9	-0.3	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2017 Q2	0.18	0.01	0.01	0.05	0.24	0.11	0.70	0.69	0.01
Q3	0.25	-0.01	0.05	-0.08	-0.07	0.02	0.31	0.20	0.11
Q4	0.19	0.02	0.04	0.21	0.19	0.02	-0.45	-0.30	-0.14
2018 Q1	0.27	0.01	-0.08	-0.21	-0.20	-0.08	0.10	0.09	0.02
Q2	0.37	-0.02	-0.01	0.43	-0.04	-0.08	-0.08	0.18	-0.26
Q3	0.27	—	0.11	-0.36	0.05	-0.09	0.70	0.25	0.44
Q4	0.10	—	0.24	0.73	-0.02	-0.05	-0.08	0.92	-1.00
2019 Q1	0.13	-0.01	0.19	3.19	0.18	0.09	0.09	3.01	-2.93
Q2	0.29	-0.02	0.22	-3.17	-0.09	0.01	-1.26	-3.83	2.57
Q3	0.17	0.02	-0.12	-2.00	0.03	—	2.33	-0.08	2.41
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2017 Q2	2.5	-0.2	0.2	0.9	2.2	3.1	6.4	5.6	
Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2	
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3	
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2	
Q2	1.7	-0.2	—	2.0	-0.7	-1.2	-0.4	0.5	
Q3	1.8	0.2	0.3	0.5	—	-2.4	0.9	0.7	
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6	
2019 Q1	1.4	-0.9	2.8	23.7	1.1	-1.3	2.1	14.0	
Q2	1.3	-1.0	4.1	2.1	0.7	-0.4	-1.9	1.1	
Q3	1.1	-0.2	2.8	-7.7	0.6	0.5	3.5	—	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2017 Q2	1.63	—	0.03	0.15	0.38	0.31	1.82	1.66	0.15
Q3	1.34	0.01	0.07	-1.46	0.08	0.17	2.85	0.98	1.87
Q4	0.54	0.04	0.09	0.53	0.38	0.38	0.70	0.38	0.31
2018 Q1	0.88	0.03	0.02	-0.03	0.17	0.07	0.68	0.69	-0.01
Q2	1.08	—	-0.01	0.36	-0.12	-0.12	-0.11	0.16	-0.27
Q3	1.11	—	0.05	0.08	0.01	-0.23	0.27	0.21	0.06
Q4	1.01	-0.01	0.26	0.60	-0.21	-0.31	0.64	1.45	-0.81
2019 Q1	0.87	-0.02	0.53	4.03	0.18	-0.13	0.63	4.43	-3.80
Q2	0.79	-0.02	0.76	0.37	0.12	-0.04	-0.57	0.34	-0.91
Q3	0.68	—	0.52	-1.30	0.10	0.05	1.08	—	1.08

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

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

3 Non-profit institutions serving households

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

Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations ³	Other income ⁴	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Growth				
	KGI3	KH4V	KH6T	KH65
2016	4.1	3.8	4.5	4.0
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2016	2.00	0.81	0.80	0.49
2017	2.07	0.84	0.42	0.46
2018	2.15	0.20	0.76	0.32
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2017 Q2	1.6	-3.2	0.3	2.2
Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.4	2.6	1.6	0.1
Q2	1.6	-	-0.8	2.0
Q3	1.0	1.7	-0.1	-1.2
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2017 Q2	0.78	-0.70	0.05	0.26
Q3	0.49	-0.38	0.10	0.19
Q4	0.33	0.94	0.19	-0.04
2018 Q1	0.56	0.16	0.19	-0.28
Q2	0.40	-0.39	0.27	0.68
Q3	0.73	0.37	0.16	-0.13
Q4	0.74	-0.62	0.29	0.06
2019 Q1	0.20	0.52	0.28	0.01
Q2	0.75	-0.01	-0.13	0.24
Q3	0.47	0.33	-0.02	-0.14
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2017 Q2	4.2	4.0	1.5	3.6
Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.3	-0.4	5.8	5.2
Q2	5.1	1.4	3.4	1.5
Q3	4.5	1.3	2.3	1.3
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2017 Q2	2.03	0.85	0.27	0.44
Q3	2.00	0.34	0.39	0.65
Q4	2.06	0.62	0.38	0.44
2018 Q1	2.19	-0.04	0.53	0.15
Q2	1.86	0.27	0.77	0.59
Q3	2.09	1.08	0.83	0.24
Q4	2.50	-0.48	0.94	0.33
2019 Q1	2.10	-0.08	1.02	0.62
Q2	2.46	0.30	0.60	0.18
Q3	2.20	0.28	0.40	0.16

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

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

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

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

AD Annex D - Implied GDP deflator growths- Expenditure components of GDP¹

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure			Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
	Households	Non-profit institutions ²	General government				
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2016	1.5	0.4	1.1	4.6	2.2	4.2	3.2
2017	1.4	1.1	1.1	6.3	2.2	4.5	5.4
2018	2.7	1.5	2.0	0.1	1.8	3.1	2.8
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2017 Q2	0.2	0.6	-0.7	-0.9	0.1	0.4	-0.6
Q3	-0.1	0.7	0.6	0.9	1.0	-0.2	0.3
Q4	0.9	—	0.8	0.6	-0.2	1.5	1.0
2018 Q1	1.3	—	0.8	-1.7	0.3	-0.2	-0.1
Q2	0.4	1.3	0.4	0.2	1.3	2.2	1.9
Q3	0.6	0.1	0.5	2.1	0.1	0.3	1.3
Q4	0.3	—	-0.4	-0.5	0.4	1.2	0.6
2019 Q1	0.4	0.5	0.8	-3.1	1.3	-0.4	-2.4
Q2	0.2	1.3	0.8	6.2	0.8	0.7	1.7
Q3	0.4	-0.5	0.8	2.8	1.0	0.1	1.7
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2017 Q2	1.3	0.9	0.5	6.0	2.1	6.2	6.6
Q3	0.9	1.4	0.7	8.1	2.3	2.1	3.1
Q4	2.0	1.0	1.2	1.6	1.7	1.6	2.7
2018 Q1	2.3	1.3	1.5	-1.0	1.2	1.5	0.5
Q2	2.5	2.0	2.6	—	2.4	3.4	3.1
Q3	3.2	1.3	2.6	1.3	1.4	3.8	4.1
Q4	2.6	1.4	1.4	0.2	2.1	3.6	3.7
2019 Q1	1.7	1.9	1.4	-1.3	3.1	3.3	1.4
Q2	1.5	1.8	1.8	4.6	2.6	1.8	1.1
Q3	1.3	1.2	2.0	5.2	3.6	1.6	1.6

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

² Non-profit institutions serving households

AE

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

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constru- ction	Total Services	Distrib- ution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage change, latest year on previous year												
Current estimates³												
2016	L3BB -5.5	L3BG 1.1	L3BH -2.0	L3BN 0.2	L3DM 3.7	L3DQ 7.1	L3DW 3.9	L3E2 2.0	L3GP 3.7	KI8L 2.8	KI8N 2.7	KI8P -0.5
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
Previous estimates²												
2016	A2EQ -5.5	A2ER 1.1	A2ET -2.0	A2ES 0.2	A2EU 3.7	A2EV 7.1	A2EW 3.9	A2EY 2.0	A2F2 3.7	A2F3 2.8	A2F4 2.7	A2F5 -0.5
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-4.0	0.1	4.8	0.4	-1.9	-1.8	-0.4	2.1	2.8	3.2	2.1	1.1
Revisions												
2016	ZZ52 -	ZZ53 -	ZZ55 -	ZZ54 -	ZZ56 -	ZZ57 -	ZZ58 -	ZZ59 -	ZZ5A -	ZZ5B -	ZZ5C -	ZZ5D -
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	1	0.7	0.5	0.5	0.3	2.3	0.4	-0.1	0.2	0.6	-0.3	-0.4
Percentage change, latest quarter on previous quarter												
Current estimates³												
2017 Q2	L3BB 0.1	L3BG -0.4	L3BH 1.0	L3BN -0.1	L3DM 0.9	L3DQ -4.0	L3DW 0.3	L3E2 0.4	L3GP 0.5	KI8L 1.6	KI8N -0.2	KI8P 0.5
Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.8	1.3	-1.1	2.4	-2.8	-1.4	1.7	0.4	1.2	1.3	-0.2	0.5
Q2	-0.3	-1.7	-1.2	-2.6	2.0	1.5	-1.0	0.2	0.1	0.5	-0.1	0.4
Q3	-0.1	0.1	-0.1	0.1	-1.8	1.6	1.2	0.5	0.2	0.6	0.5	0.5
Previous estimates²												
2017 Q2	A2CX 0.1	A2CY -0.4	A2DO 1.0	A2DL -0.1	A2DR 0.9	A2DS -4.0	A2DT 0.3	A2DU 0.4	A2DV 0.5	A2DW 1.6	A2DX -0.2	A2DY 0.5
Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-3.0	-0.5	0.8	-0.7	1.2	-2.3	-2.2	0.5	0.2	-0.8	1.0	0.7
Q2	-0.9	-0.7	5.0	-0.6	-5.1	0.3	0.7	0.8	1.9	1.6	0.5	0.3
Q3	-0.3	0.5	3.4	0.1	1.2	1.6	1.2	0.6	1.1	1.8	0.2	0.4
Q4	0.8	-0.7	-1.7	-0.6	-0.2	-1.7	0.2	0.5	0.7	1.3	0.3	0.3
2019 Q1	-1.4	1.1	-0.9	2.0	-2.8	-0.6	1.6	0.4	0.9	1.5	-0.3	0.6
Q2	-0.4	-1.8	-1.1	-2.8	2.8	1.2	-1.2	0.1	-	0.6	-	0.2
Q3	-0.2	-	-1.7	-	-0.7	1.2	0.6	0.4	0.1	0.6	0.3	0.4
Revisions												
2017 Q2	ZZ4A -	ZZ4B -	ZZ4D -	ZZ4C -	ZZ4E -	ZZ4F -	ZZ4G -	ZZ4H -	ZZ4I -	ZZ4J -	ZZ4K -	ZZ4L -
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	1.0	0.4	0.7	0.5	0.4	0.5	0.4	-0.1	0.2	0.7	-0.3	-0.5
Q2	-0.1	0.3	-0.2	0.2	-	1.9	0.1	-	-	-0.2	-0.2	0.1
Q3	-	0.1	-0.2	-	0.4	0.2	-0.1	0.1	0.1	0.2	-	-
Q4	-0.1	-0.2	0.3	-0.2	-0.7	0.8	-0.2	-	-0.2	-0.1	-	0.1
2019 Q1	-0.4	0.2	-0.2	0.4	-	-0.8	0.1	-	0.3	-0.2	0.1	-0.1
Q2	0.1	0.1	-0.1	0.2	-0.8	0.3	0.2	0.1	0.1	-0.1	-0.1	0.2
Q3	0.1	0.1	1.6	0.1	-1.1	0.4	0.6	0.1	0.1	-	0.2	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)

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

AE

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

continued

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	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 Q2	6.6	0.2	2.8	0.6	-3.7	0.2	6.5	2.1	2.8	4.6	1.3	1.6
Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-2.3	0.6	5.4	1.2	-7.2	1.7	3.6	2.4	4.8	6.2	0.6	1.7
Q2	-1.6	-0.8	-0.6	-1.1	-0.2	1.0	1.8	1.8	3.0	5.3	0.2	1.7
Q3	-1.4	-1.3	-3.7	-1.0	-3.5	0.8	1.9	1.6	2.0	3.8	0.5	1.8
Previous estimates²												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2017 Q2	6.6	0.2	2.8	0.6	-3.7	0.2	6.5	2.1	2.8	4.6	1.3	1.6
Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-3.3	1.1	0.5	1.7	2.3	-4.7	-1.1	1.5	1.3	2.5	1.8	0.8
Q2	-4.3	0.7	4.5	1.2	-3.8	-0.4	-0.6	2.0	2.7	2.5	2.5	0.6
Q3	-5.1	0.3	6.7	0.4	-3.0	0.2	0.4	2.4	3.4	3.8	2.2	1.2
Q4	-3.5	-1.5	7.6	-1.7	-3.0	-2.1	-0.2	2.6	4.0	4.1	2.0	1.7
2019 Q1	-1.9	0.2	5.8	0.9	-6.9	-0.4	3.7	2.4	4.7	6.5	0.8	1.6
Q2	-1.4	-0.9	-0.3	-1.3	0.9	0.5	1.8	1.7	2.7	5.4	0.3	1.4
Q3	-1.3	-1.4	-5.3	-1.4	-1.0	0.1	1.2	1.4	1.7	4.1	0.4	1.5
Revisions												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2017 Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	1.1	0.4	0.7	0.4	0.4	0.5	0.4	-0.1	0.1	0.7	-0.2	-0.5
Q2	1.1	0.7	0.5	0.6	0.3	2.4	0.4	-0.1	0.2	0.5	-0.4	-0.4
Q3	1.0	0.8	0.2	0.6	0.7	2.7	0.4	-0.2	0.3	0.7	-0.4	-0.4
Q4	1.0	0.6	0.6	0.3	-0.1	3.4	0.2	-0.2	-	0.6	-0.4	-0.3
2019 Q1	-0.4	0.4	-0.4	0.3	-0.3	2.1	-0.1	-	0.1	-0.3	-0.2	0.1
Q2	-0.2	0.1	-0.3	0.2	-1.1	0.5	-	0.1	0.3	-0.1	-0.1	0.3
Q3	-0.1	0.1	1.6	0.4	-2.5	0.7	0.7	0.2	0.3	-0.3	0.1	0.3

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

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

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

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

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

Seasonally adjusted data

Reference year 2016

Final consumption expenditure								
	House-holds	Non-prof- it instit- utions ³	General govern- ment	Gross Capital Formation	Gross Fixed Capital Formation	Business investme nt	Total exports	less Total imports
Percentage change, latest year on previous year								
Current estimates⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2016	3.8	-1.5	1.0	-0.6	3.6	4.3	2.7	4.4
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0
Previous estimates²								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2016	3.8	-1.5	1.0	-0.6	3.6	4.3	2.7	4.4
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5
2018	1.6	0.7	0.6	1.4	-0.1	-1.6	-0.9	0.7
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2016	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-
2018	-	-0.5	-0.2	-	-0.1	0.1	2.1	1.3
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2017 Q2	0.3	0.5	-	0.3	1.4	1.2	2.4	2.3
Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9
2019 Q1	0.2	-0.2	1.0	18.2	1.1	1.0	0.3	9.2
Q2	0.5	-0.9	1.2	-15.4	-0.6	0.1	-4.1	-10.8
Q3	0.3	0.9	-0.6	-11.4	0.2	-	7.9	-0.3
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2017 Q2	0.3	0.5	-	0.3	1.4	1.2	2.4	2.3
Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0
2018 Q1	0.5	0.7	-0.2	-2.7	-0.9	-1.0	-0.7	-0.9
Q2	0.5	-0.8	-	5.6	-0.4	-0.6	-2.6	0.4
Q3	0.3	0.3	0.4	-2.9	0.5	-0.8	3.4	0.9
Q4	0.2	0.1	1.6	2.6	-0.1	-1.0	0.5	2.8
2019 Q1	0.3	-0.1	0.8	17.4	0.9	0.8	1.6	10.3
Q2	0.4	-1.1	1.1	-15.6	-0.9	-0.4	-6.6	-13.0
Q3	0.4	0.5	0.3	-7.2	-0.2	-	5.2	0.8
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2017 Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2018 Q1	-0.1	-0.4	-0.2	1.5	-0.3	0.2	1.0	1.2
Q2	0.1	-0.1	-0.1	-3.1	0.2	-0.2	2.4	0.2
Q3	0.1	-0.2	0.2	0.9	-0.2	-0.1	-1.1	-0.1
Q4	-	-	-0.3	1.7	-	0.4	-0.8	0.1
2019 Q1	-0.1	-0.1	0.2	0.8	0.2	0.2	-1.3	-1.1
Q2	0.1	0.2	0.1	0.2	0.3	0.5	2.5	2.2
Q3	-0.1	0.4	-0.9	-4.2	0.4	-	2.7	-1.1

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)

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								
	House- holds	Non-prof- it instit- utions ³	General govern- ment ⁵	Gross capital formation	Gross fixed capital formation	Business investme nt	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 Q2	2.5	-0.2	0.2	0.9	2.2	3.1	6.4	5.6
Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2
Q2	1.7	-0.2	—	2.0	-0.7	-1.2	-0.4	0.5
Q3	1.8	0.2	0.3	0.5	—	-2.4	0.9	0.7
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6
2019 Q1	1.4	-0.9	2.8	23.7	1.1	-1.3	2.1	14.0
Q2	1.3	-1.0	4.1	2.1	0.7	-0.4	-1.9	1.1
Q3	1.1	-0.2	2.8	-7.7	0.6	0.5	3.5	—
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2017 Q2	2.5	-0.2	0.2	0.9	2.2	3.1	6.4	5.6
Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.5	1.6	0.3	-1.7	1.2	0.6	1.2	1.0
Q2	1.8	0.3	0.2	3.6	-0.6	-1.2	-3.7	-0.8
Q3	1.6	0.8	0.3	1.1	0.2	-2.3	-1.4	-0.5
Q4	1.5	0.2	1.8	2.4	-1.0	-3.4	0.5	3.2
2019 Q1	1.3	-0.6	2.8	23.6	0.8	-1.6	2.8	14.9
Q2	1.1	-0.9	4.0	-1.3	0.3	-1.4	-1.4	-0.4
Q3	1.2	-0.7	3.9	-5.7	-0.4	-0.6	0.2	-0.6
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2017 Q2	—	—	—	—	—	—	—	—
Q3	—	—	—	—	—	—	—	—
Q4	—	—	—	—	—	—	—	—
2018 Q1	-0.1	-0.4	-0.2	1.6	-0.2	0.1	1.1	1.2
Q2	-0.1	-0.5	-0.2	-1.6	-0.1	—	3.3	1.3
Q3	0.2	-0.6	—	-0.6	-0.2	-0.1	2.3	1.2
Q4	0.1	-0.6	-0.4	1.0	-0.2	0.3	1.6	1.4
2019 Q1	0.1	-0.3	—	0.1	0.3	0.3	-0.7	-0.9
Q2	0.2	-0.1	0.1	3.4	0.4	1.0	-0.5	1.5
Q3	-0.1	0.5	-1.1	-2.0	1.0	1.1	3.3	0.6

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	4.1	3.8	4.5	4.0
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
2016	4.1	3.8	4.5	4.0
2017	4.3	4.0	2.4	3.8
2018	4.3	0.9	5.2	2.7
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2016	—	—	—	—
2017	—	—	—	—
2018	0.1	—	-0.9	—
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KGI4	KH4W	KH6U	KH66
2017 Q2	1.6	-3.2	0.3	2.2
Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.4	2.6	1.6	0.1
Q2	1.6	—	-0.8	2.0
Q3	1.0	1.7	-0.1	-1.2
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2017 Q2	1.6	-3.2	0.3	2.2
Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.1	0.1	1.4	-1.6
Q2	0.9	-1.9	1.9	5.1
Q3	1.5	2.9	1.2	-1.5
Q4	1.4	-2.5	2.2	0.6
2019 Q1	0.3	3.6	1.9	—
Q2	1.5	-0.9	-0.4	2.0
Q3	0.9	0.1	0.5	-0.2
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2017 Q2	—	—	—	—
Q3	—	—	—	—
Q4	—	—	—	—
2018 Q1	0.1	0.6	-0.3	-0.7
Q2	-0.1	0.1	-0.4	0.7
Q3	—	-1.1	-0.3	0.5
Q4	0.1	-0.4	-0.6	-0.1
2019 Q1	0.1	-1.0	-0.3	0.1
Q2	0.1	0.9	-0.4	—
Q3	0.1	1.6	-0.6	-1.0

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 Q2	4.2	4.0	1.5	3.6
Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.3	-0.4	5.8	5.2
Q2	5.1	1.4	3.4	1.5
Q3	4.5	1.3	2.3	1.3
Previous estimates²				
	A2CP	A2CQ	A2CR	A2CS
2017 Q2	4.2	4.0	1.5	3.6
Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.5	-0.8	3.3	1.9
Q2	3.7	0.6	5.0	4.8
Q3	4.1	5.5	5.5	1.5
Q4	5.0	-1.4	6.7	2.4
2019 Q1	4.2	1.9	7.3	4.1
Q2	4.9	2.9	5.0	1.1
Q3	4.3	0.2	4.2	2.4
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2017 Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	0.1	0.6	-0.2	-0.7
Q2	0.1	0.6	-0.7	-
Q3	0.1	-0.4	-0.8	0.4
Q4	0.1	-0.8	-1.4	0.3
2019 Q1	0.1	-2.3	-1.5	1.1
Q2	0.2	-1.5	-1.6	0.4
Q3	0.2	1.1	-1.9	-1.1

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)