

Statistical bulletin

GDP quarterly national accounts, UK: April to June 2018

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



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Next release:
9 November 2018

Notice

29 June 2018

During the final quality assurance of the Blue Book 2018 consistent Quarterly National Accounts dataset an error was discovered in the General Government Final Consumption Expenditure (GGFCE) chained volume measure (CVM). The error affects 2005 data, increasing annual GGFCE growth by around 1.7 percentage points from 2.3% to 4.0%. GGFCE in current prices is unaffected.

There is no impact on headline GDP growth or the GDP implied deflator, as the impact during 2005 would be offset by revisions to the expenditure alignment adjustment.

The GGFCE CVM series will be corrected and there will be a review of the alignment adjustment in the Blue Book 2019 consistent Quarterly National Accounts dataset.

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1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.4% between Quarter 1 (Jan to Mar) 2018 and Quarter 2 (Apr to June) 2018, unrevised from the first quarterly estimate of GDP.
- Growth in the latest quarter was driven by the services sector, which increased by 0.6%, due partly to an increase in retail sales.
- Household spending grew by 0.4%, while business investment decreased by 0.7% between Quarter 1 2018 and Quarter 2 2018.
- Nominal GDP grew by 0.8% in Quarter 2 2018, with compensation of employees growing by 0.7%.
- This release incorporates Value Added Tax (VAT) turnover data in the output approach to measuring GDP for the first quarter of 2018; GDP growth has been revised down to 0.1% in Quarter 1 2018, driven by a revision to the construction industry, which can in part be attributed to the inclusion of VAT turnover data.
- GDP was estimated to have increased by 1.7% between 2016 and 2017, unrevised from the previous estimate.

2 . Things you need to know about this release

Gross domestic product (GDP) growth is the main indicator of economic performance. There are three approaches used to measure GDP; the output approach, the expenditure approach and the income approach.

The quarterly national accounts are typically published around 90 days after the end of the quarter. At this stage, the data content of this estimate from the output approach to GDP has risen since the first quarterly estimate to around 91% 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](#).

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.

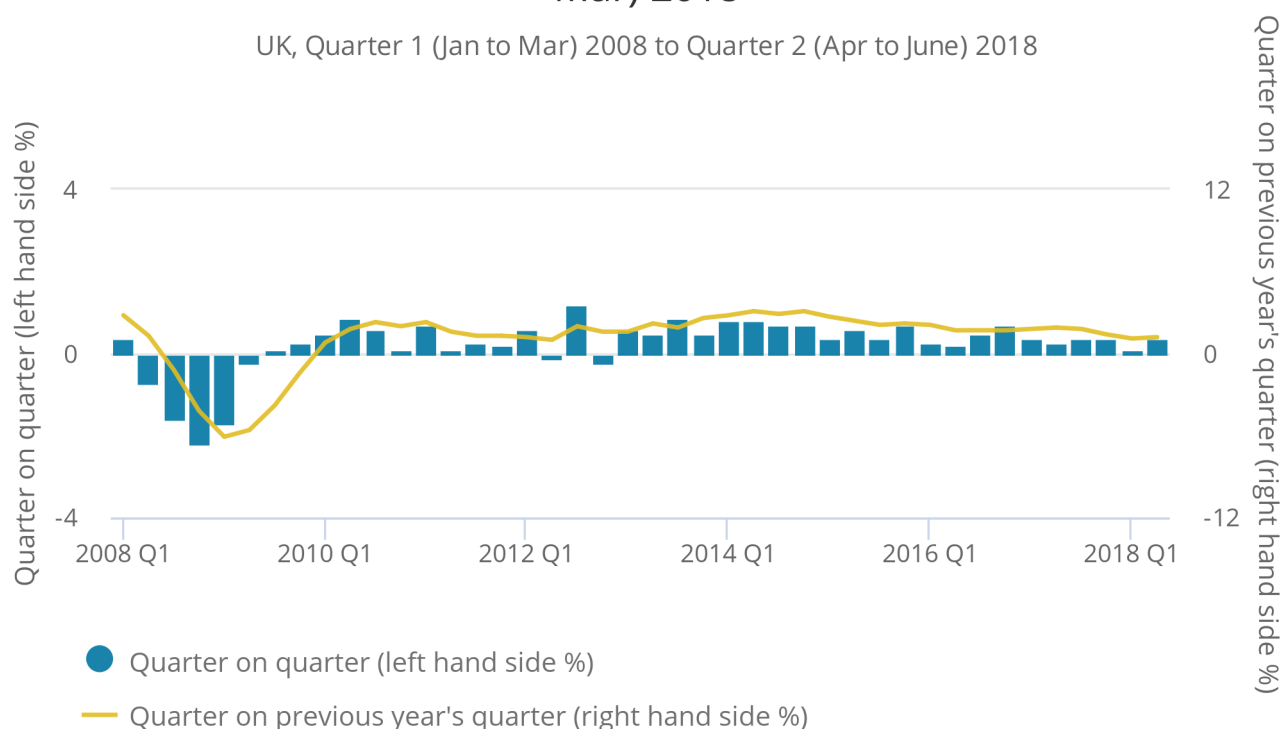
3 . The UK economy grew by an unrevised 0.4% in Quarter 2 2018, while growth in Quarter 1 2018 has been revised down to 0.1%

UK gross domestic product (GDP) is estimated to have increased by 0.4% in Quarter 2 (Apr to June) 2018, unrevised from the [first quarterly estimate of GDP](#). Compared with the same quarter a year ago, the UK economy has grown by 1.2% – revised down slightly from the previously published 1.3%.

Figure 1: Real GDP growth picks up to 0.4% in Quarter 2 (Apr to June) 2018, following revised growth of 0.1% in Quarter 1 (Jan to Mar) 2018

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 2 (Apr to June) 2018

Figure 1: Real GDP growth picks up to 0.4% in Quarter 2 (Apr to June) 2018, following revised growth of 0.1% in Quarter 1 (Jan to Mar) 2018



Source: Office for National Statistics

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).

All figures since Quarter 1 (Jan to Mar) 2017 are open to revision in today's publication. The headline figure for Quarter 2 2018 is unrevised at 0.4%, while the latest data show a slight upward revision to quarterly real GDP growth in both Quarter 1 2018 and Quarter 2 2017. All other quarters are unrevised (to one decimal place). The revision to Quarter 1 2018 brings growth back into line with the preliminary estimate of 0.1%.

Despite today's revisions, the recent narrative on UK GDP remains unchanged – the underlying trend is still one of slowing real GDP growth. The UK economy grew by 0.5% in the first half of 2018 compared with the second half of 2017, which marked the weakest six-monthly growth since the second half of 2011. Figure 1 shows that quarter on same quarter a year ago GDP growth has been on a declining trend since the end of 2014, recording a revised 1.1% in the year to Quarter 1 2018 – the weakest rate since Quarter 2 2012.

The implied GDP deflator represents the broadest measure of inflation in the domestic economy, as it reflects changes in the price of all goods and services that comprise GDP, including the price movements in private and government consumption, investment and the relative price of exports and imports. In the year to Quarter 2 2018, the GDP deflator increased by 2.0%, up from the previous estimate of 1.7%. This was driven primarily by a 1.1 percentage points upward revision to the general government consumption deflator, which is now estimated to have increased by 2.1% in the year to Quarter 2 2018. This reflects a downward revision to Quarter 2 2017 – driven by updates to current price data for healthcare expenditure – resulting in a lower base. In contrast, volumes are largely unaffected as these are recorded directly – that is, the goods and services of healthcare consumed by patients are recorded, rather than being deflated. While growth in the year to Quarter 2 2018 was revised up, quarter-on-quarter growth in the general government consumption deflator remains unrevised.

4 . Services and construction strengthen in Quarter 2 2018, following revised construction figures showing a weaker Quarter 1 2018 than estimated

The output measure of gross domestic product (GDP) grew by an unrevised 0.4% in Quarter 2 (Apr to June) 2018. This follows a soft patch earlier in the year, where the UK economy grew by a revised 0.1% in Quarter 1 (Jan to Mar) 2018. This downward revision has been driven by updated construction estimates, which is due largely to the incorporation of Value Added Tax (VAT) turnover data up to Quarter 1 2018, where VAT turnover data from approximately 85,000 businesses has now replaced data for 2,400 survey returns in the construction sample.

Despite the weaker construction outturn in Quarter 1 2018, the narrative on how industries have tracked over the past two quarters remains largely unchanged. There have been revisions to the estimates for energy supply in Quarter 2 2018, but Figure 2 reaffirms that there was a cold weather boost in Quarter 1 2018, which fell back in Quarter 2 due to warmer weather conditions.

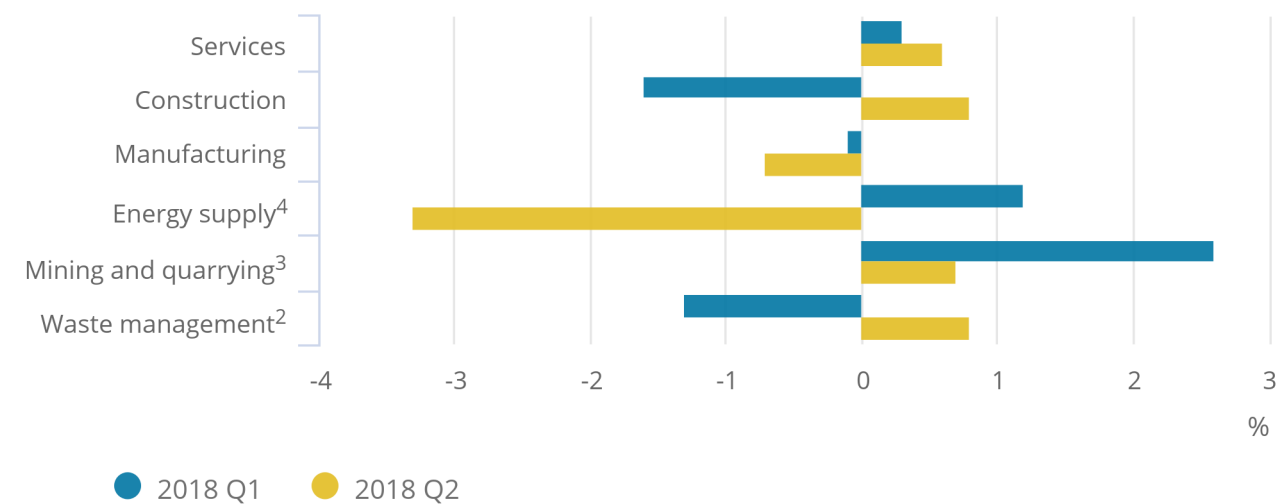
Following [changes to the GDP publication model](#), this is the first quarterly national accounts in which the revised monthly path for construction and production output have not been available in advance. These updated estimates will be published on 10 October 2018, along with any revisions to monthly figures for services output.

Figure 2: Services and construction picked up in Quarter 2 (Apr to June) 2018, while manufacturing fell for two consecutive quarters

UK, Quarter 1 (Jan to Mar) 2018 and Quarter 2 (Apr to June) 2018

Figure 2: Services and construction picked up in Quarter 2 (Apr to June) 2018, while manufacturing fell for two consecutive quarters

UK, Quarter 1 (Jan to Mar) 2018 and Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

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. Waste management refers to Water supply, sewerage, etc. in table B1 of the statistical tables.
3. Mining and quarrying refers to Mining & quarrying including oil and gas extraction in table B1 of the statistical tables.
4. Energy supply refers to Electricity, gas, steam and air in table B1 of the statistical tables.

Today’s latest data show that construction output fell by 1.6% in Quarter 1 2018, revised down from a fall of 0.8% in the first quarterly estimate of GDP. This marks the weakest quarterly growth in construction output since Quarter 2 (Apr to June) 2012.

It was previously highlighted that the adverse weather conditions earlier in the year had some impact on construction output. The incorporation of more comprehensive administrative estimates from VAT returns appears to be in line with this view, with the impact on construction output in Quarter 1 2018 more marked than previously estimated.

Latest figures show that there was a bounceback in construction output in Quarter 2 2018, which increased by 0.8%. This is supported by external survey evidence such as the latest [Bank of England Agents' summary survey](#), which noted that recent dry weather had helped businesses "catch up on progress lost due to adverse weather-related disruption earlier in the year". The [Construction Purchasing Managers' Index \(PMI\)](#) for April 2018 also highlighted a recovery in construction activity following a snow-disrupted Quarter 1 2018, particularly for housebuilding but also in the commercial building and civil engineering sectors.

In the production sector, output fell by an unrevised 0.8% in Quarter 2 2018. However, this reflects offsetting revisions on a subsector level, with manufacturing growth revised up by 0.2 percentage points, and growth in water and waste management, and energy supply revised down by 1.1 and 0.6 percentage points respectively. The downward revision to energy supply has led to a more pronounced fall back from the cold weather boost to gas and electricity production in Quarter 1 2018 (Figure 2).

The recent picture in manufacturing remains unchanged, despite the upward revision in the latest quarter – Quarter 2 2018 still marks the second consecutive quarter of negative growth in the sector. This has not been seen since Quarter 1 2016 and largely reflects an easing in manufacturing export growth – consistent with the latest trade figures. The most recent [Index of Production bulletin](#) showed that growth in manufacturing export turnover (current prices, non-seasonally adjusted) has eased since early 2017, but remains above domestic manufacturing growth. The Bank of England Agents' Summary survey reported that manufacturing export volumes growth eased in Quarter 2 2018, but "remained firm and outpaced growth for the domestic market".

Latest figures also show a downward revision of 0.3 percentage points to total production growth in Quarter 1 2018, driven predominantly by a 3.0 percentage points downward revision to output in the water and waste management sector, primarily reflecting sampling improvements within these industries.

Growth in the services industries doubled to 0.6% in Quarter 2 2018, following relatively subdued growth of 0.3% in Quarter 1 2018. This was an upward revision of 0.1 percentage points compared with the first quarterly estimate and the strongest quarterly growth since Quarter 4 (Oct to Dec) 2016. The quarterly revision was driven primarily by accommodation and food services, which saw an upward revision of 2.0 percentage points. This revision reflects the incorporation of VAT turnover data up to Quarter 1 2018, which revised up the level of growth in March 2018 and impacted on growth in subsequent periods.

Retail trade was one of the areas identified as being affected by the adverse weather earlier in the year, with volumes falling by 0.3% in Quarter 1 2018. This was driven by a sharp decline in petrol sales, partly offset by a boost to online retail spending. Following this weakness in Quarter 1 2018, the retail industry bounced back in Quarter 2 2018, with output rising by 2.0% – driven by buoyant food and drink sales as consumers took advantage of the warm weather and World Cup celebrations. This is in line with external surveys such as the [British Retail Consortium's \(BRC\) Retail Sales Monitor \(RSM\)](#), which attributed the boost in demand for items such as beer, barbecues and summer clothing to these two factors, as well as the two Bank Holidays and the Royal Wedding. The [Services PMI](#) for June 2018 also noted that unusually favourable weather conditions had helped boost consumer spending.

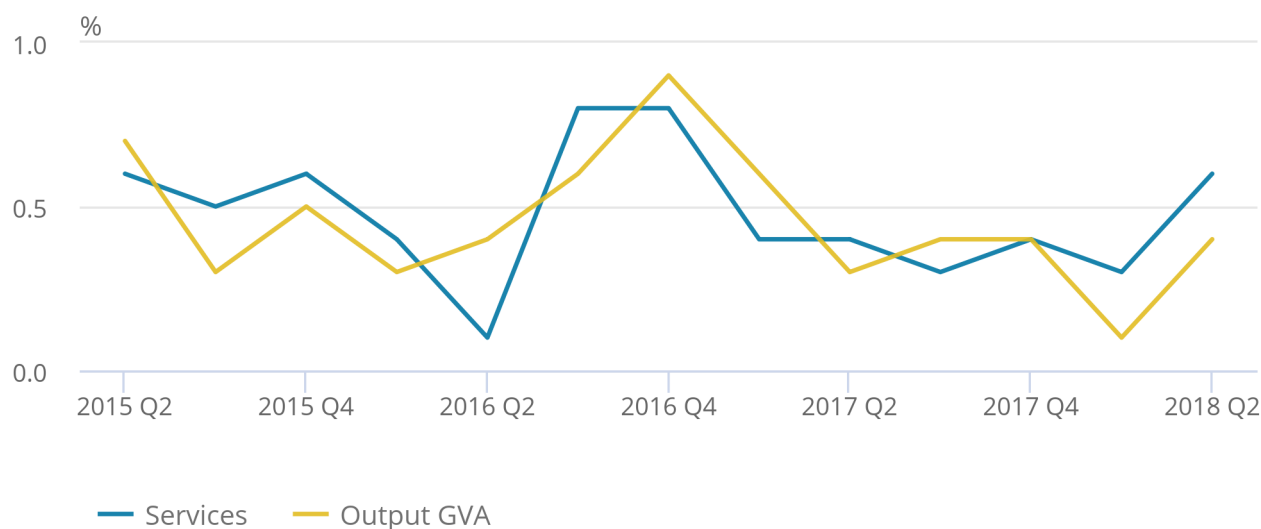
Looking over the longer-term, growth in the services industries has now outpaced growth in the overall UK economy for two consecutive quarters, which has not occurred since Quarter 1 2016 (Figure 3).

Figure 3: Services growth has outpaced growth in the overall economy for the past two quarters

UK, Quarter 2 (Apr to June) 2015 to Quarter 2 2018

Figure 3: Services growth has outpaced growth in the overall economy for the past two quarters

UK, Quarter 2 (Apr to June) 2015 to Quarter 2 2018



Source: Office for National Statistics

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. Output GVA data is published in Table L of the statistical tables.

[External survey evidence](#) for Quarter 2 2018 highlighted strength in business services and finance activity, particularly in relation to mergers and acquisitions, Brexit preparations and recent regulatory changes. However, the latest figures show that growth in the business services and finance sector slowed to 0.1% in Quarter 2 2018, following three consecutive quarters of being the largest growth contributor to overall services growth (Figure 4).

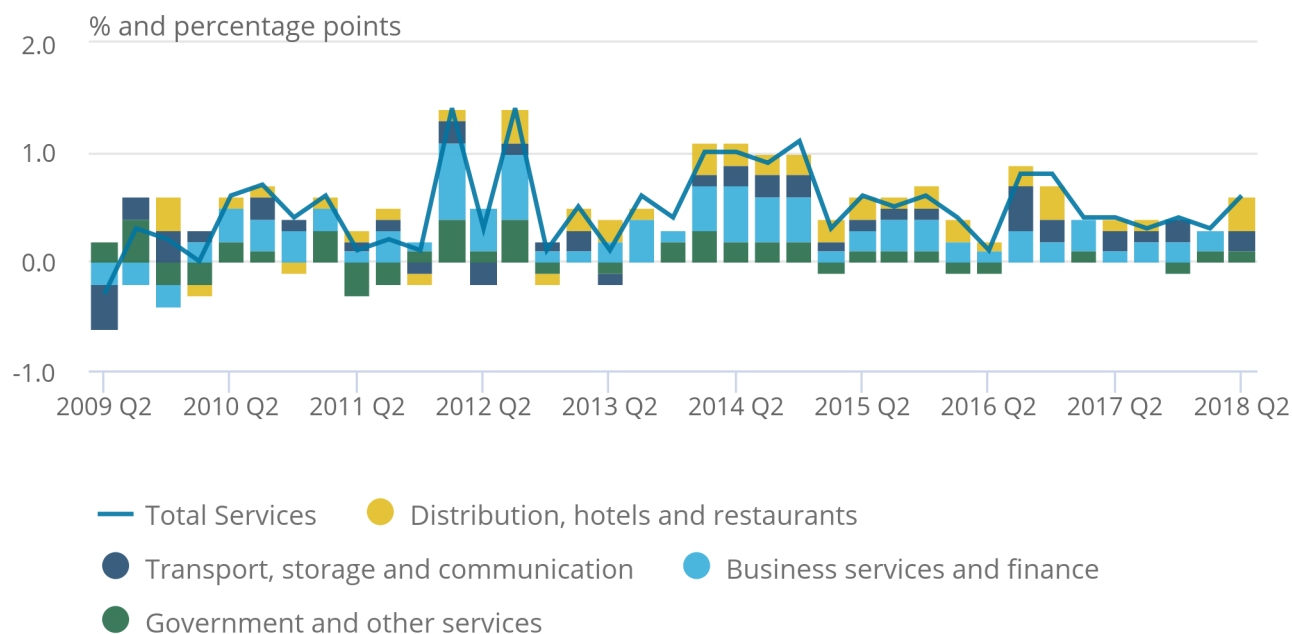
Business services and finance did not contribute to services growth (to one decimal place) in Quarter 2 2018, for the first time since Quarter 4 2009. The pickup in Quarter 2 2018 services growth was driven by distribution, hotels and restaurants, and transport, storage and communications (contributing 0.27 and 0.20 percentage points respectively).

Figure 4: Business services and finance activity did not contribute to services growth in Quarter 2 (Apr to June) 2018 for the first time since Quarter 4 (Oct to Dec) 2009

UK, Quarter 2 (Apr to June) 2009 and Quarter 2 (Apr to June) 2018

Figure 4: Business services and finance activity did not contribute to services growth in Quarter 2 (Apr to June) 2018 for the first time since Quarter 4 (Oct to Dec) 2009

UK, Quarter 2 (Apr to June) 2009 and Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), and Q4 refers to Quarter 4 (Oct to Dec).

5 . Growth in household consumption slows in Quarter 2 2018, while business investment falls for two consecutive quarters

The expenditure measure of gross domestic product (GDP) increased by an unrevised 0.4% in Quarter 2 (Apr to June) 2018. Private consumption and gross capital formation (GCF) both contributed positively to growth, while government consumption and net trade subtracted from growth (Figure 5).

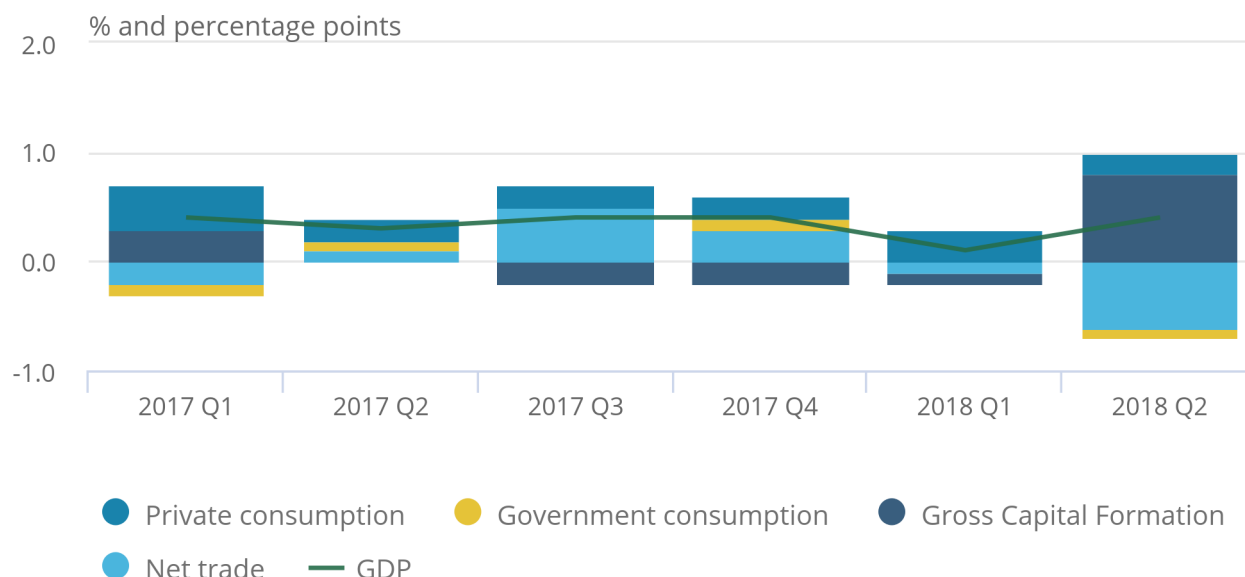
Today's latest figures reflect a 0.8 percentage points downward revision to government consumption growth in Quarter 2 2018, which had previously been estimated to have contributed positively to overall GDP growth. Within GCF, there was also a notable 1.2 percentage points downward revision to business investment growth, which is now estimated to have fallen by 0.7% in Quarter 2 2018.

Figure 5: Gross capital formation drove growth in the expenditure measure of GDP in Quarter 2 (Apr to June) 2018, while net trade subtracted from growth

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 2 (Apr to June) 2018

Figure 5: Gross capital formation drove growth in the expenditure measure of GDP in Quarter 2 (Apr to June) 2018, while net trade subtracted from growth

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), and Q4 refers to Quarter 4 (Oct to Dec).
2. Private consumption is the sum of household consumption and non-profit institutions serving households (NPISH) consumption.

Growth in household consumption was relatively subdued in 2017, as households faced weak growth in real wages and the inflationary squeeze on household budgets following the past depreciation of sterling. Household consumption growth slowed to 0.4% in Quarter 2 2018, following upwardly revised growth of 0.5% in Quarter 1 (Jan to Mar) 2018. The 0.3 percentage points upward revision to Quarter 1 2018 growth was due primarily to the incorporation of additional survey data and changes to the forecasting method for health insurance. Today's figures show that the slowdown in household consumption seen throughout 2017 has stabilised in recent quarters (Figure 6).

Driving the pickup in growth in Quarter 1 2018 were miscellaneous goods (primarily life insurance), which accounted for over half of total household consumption growth in the quarter, and housing. These rises were partly offset by a 1.5% fall in restaurants and hotels expenditure in Quarter 1 2018, the weakest quarterly growth seen since the financial crisis.

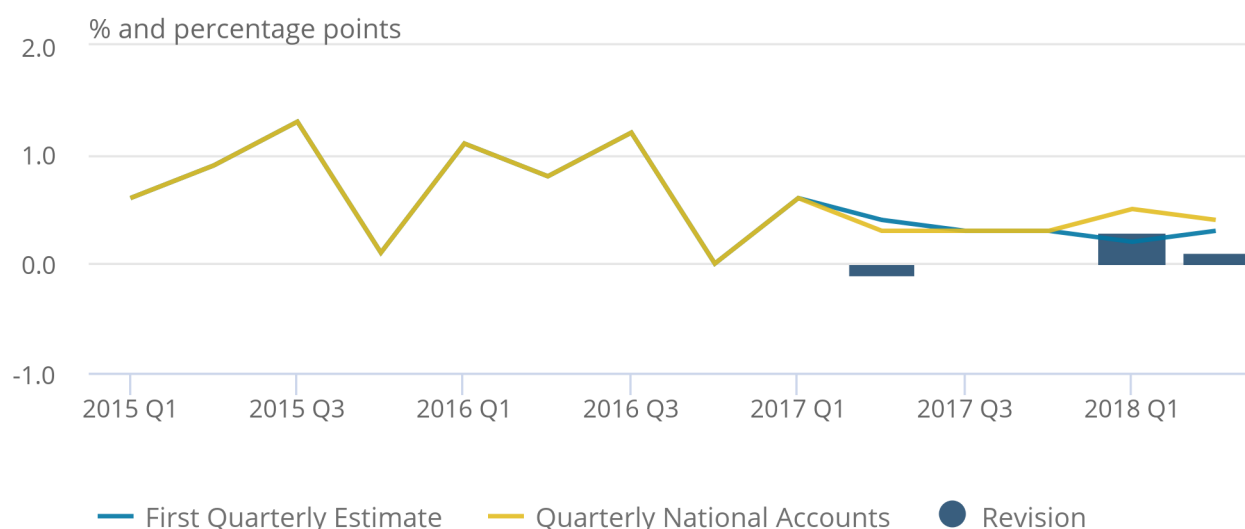
Following strength in Quarter 1 2018, housing expenditure fell back in Quarter 2 2018, accounting for most of the slowdown in overall household consumption growth. This in part reflected a fall in energy use following the adverse weather earlier in the year.

Figure 6: Household consumption growth slowed to 0.4% in Quarter 2 (Apr to June) 2018, following growth of 0.5% in Quarter 1 (Jan to Mar) 2018

UK, Quarter 1 (Jan to Mar) 2015 and Quarter 2 (Apr to June) 2018

Figure 6: Household consumption growth slowed to 0.4% in Quarter 2 (Apr to June) 2018, following growth of 0.5% in Quarter 1 (Jan to Mar) 2018

UK, Quarter 1 (Jan to Mar) 2015 and Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

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).

Gross fixed capital formation (GFCF) is now estimated to have fallen by 0.5% in Quarter 2 2018, revised down from positive growth of 0.8% in the first quarterly estimate of GDP. Business investment has been revised down from positive growth of 0.5% to a fall of 0.7% in today's latest estimates. This revision was driven by the receipt of additional survey data, which brings the response rate into line with that which is typically observed for the Quarterly National Accounts. This was one area that had been highlighted would see a lower response rate in the new first estimate, as a result of the changes to the GDP publication model.

To offset some of the revisions that you might expect from using data at an earlier point in the data collection period, we are investigating how we can better anticipate the likely impact of downwards bias in initial estimates due to large capital expenditure tending to be reported later in the collection period. We are also reviewing the ways in which we estimate for non-response to the Quarterly Acquisition and Disposal of Capital Assets (QCAS) Survey, as well as progressively moving the survey online to facilitate earlier response.

With these latest figures, Quarter 2 2018 marked the fourth consecutive slowing in business investment growth – with falling expenditure in the last two quarters. While external surveys suggest that this recent weakness may at least in part reflect uncertainty around Brexit, investment intentions remain modestly positive. Meanwhile, private dwelling investment was revised up in Quarter 2 2018, by 1.4 percentage points to a rise of 2.4%, while general government investment was revised down by 5.5 percentage points, to a rise of 1.3%. The revision to general government investment reflected updated data from central government and local authorities.

Figure 7: There has been a notable revision to GFCF growth in Quarter 2 (Apr to June) 2018, driven by business investment and government investment

UK, Quarter 4 (Oct to Dec) 2016 and Quarter 2 (Apr to June) 2018

Figure 7: There has been a notable revision to GFCF growth in Quarter 2 (Apr to June) 2018, driven by business investment and government investment

UK, Quarter 4 (Oct to Dec) 2016 and Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

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).

While GFCF subtracted 0.1 percentage points from GDP growth in Quarter 2 2018, Figure 5 shows that gross capital formation (GCF) – which includes changes in inventories and net investment of valuables – was the largest growth contributor in the quarter, with a positive contribution of 0.8 percentage points. This difference was due partly to a sharp rise in non-monetary gold (NMG), which is recorded within the national accounts as a change to valuables. An equivalent but offsetting impact is recorded within trade in goods and services, such that the impact of NMG on headline GDP is neutral. The increase in GCF also reflects the application of an alignment adjustment to changes in inventories. More information on the alignment adjustment is available in the [Quality and methodology section](#).

General government consumption fell by 0.4% in Quarter 2 2018, primarily reflecting a decrease in other central government consumption (which includes items such as public administration, and water and waste management services). Growth in government consumption has been revised since the previous estimate of a rise of 0.4%. The largest contributors to this revision were central government other, and military defence consumption. This was driven by the receipt of additional monthly outturn data.

Net trade made a negative contribution of 0.6 percentage points to GDP growth in Quarter 2 2018, revised up from the first estimate of GDP. There have been revisions to the quarterly growth profile for both exports and imports throughout 2017 and 2018, which primarily reflect updated data from HM Revenue and Customs (HMRC) as well as the International Trade in Services (ITIS) Survey.

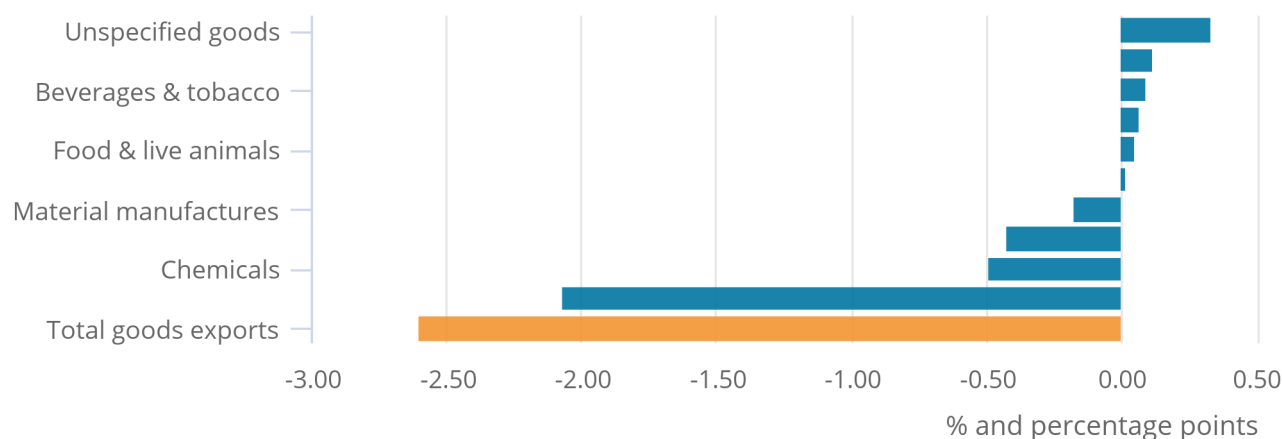
Today's figures for trade in goods are consistent with [UK trade figures](#) published on 10 September 2018, while trade in services data have been updated. Total export volumes are now estimated to have fallen by 2.2% in Quarter 2 2018, reflecting a fall in both goods and services exports (by 2.6% and 1.9% respectively). This has been revised up from a fall of 3.6% in the first estimate of GDP. Figure 8 shows that virtually all of the decrease in goods exports in Quarter 2 2018 was due to machinery and transport equipment (mainly cars), which fell by 5.0% – the sharpest quarterly fall since Quarter 2 2011. This is consistent with the fall in manufacturing output in Quarter 2 2018.

Figure 8: Contributions to goods export volumes growth in Quarter 2 (Apr to June) 2018

UK, Quarter 2 (Apr to June) 2018

Figure 8: Contributions to goods export volumes growth in Quarter 2 (Apr to June) 2018

UK, Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

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. Contributions are rounded to two decimal places.

Looking over the longer-term, Quarter 2 2018 marked the second consecutive quarterly fall in export volumes, which has not occurred since Quarter 4 (Oct to Dec) 2013. This follows relatively strong growth of 5.7% in 2017, which was the strongest annual growth rate since 2011. While goods and services both contributed to this softening in Quarter 2 2018, it was services that accounted for all of the fall in Quarter 1 2018. Meanwhile, import volumes recorded its third consecutive quarter of negative growth in Quarter 2 2018, falling by 0.2%.

6 . Growth in compensation of employees slows in Quarter 2 2018

Nominal gross domestic product (GDP) grew by 0.8% in Quarter 2 (Apr to June) 2018, revised up from the previously published estimate of 0.7%. This was driven by upward revisions to both compensation of employees (CoE) and gross operating surplus (GOS), and was partly offset by a downward revision to other income (other GOS and mixed income).

Growth in CoE was revised up despite a downward revision to the level of CoE in Quarter 2 2018, due to CoE levels in Quarter 1 2018 being revised down more. This reflected downward revisions to employers' social contributions, mostly offset by upward revisions to wages and salaries. CoE growth is now estimated to have slowed to 0.7% in Quarter 2 2018, marking the second consecutive slowing in quarterly CoE growth (Figure 9).

Today's latest figures show revisions to the quarterly profile of CoE across 2017 and 2018, reflecting updates to both the level of wages and salaries and employer's social contributions. Wages and salaries have been revised up to reflect the incorporation of new data for the public sector and the alignment of private sector wages and salaries to comparable labour market data. Employers' social contributions have been revised down due to the removal of upwards balancing adjustments previously applied to [employer's contributions](#) from Quarter 1 (Jan to Mar) 2017 to Quarter 1 2018.

While CoE still contributed 0.4 percentage points to nominal GDP growth in Quarter 2 2018, it was taxes less subsidies that was the largest growth contributor (0.5 percentage points). Taxes less subsidies recorded its strongest quarterly increase since Quarter 1 2011 (4.5%), partly reflecting a bounceback from a weak Quarter 1 2018. This was driven by movements in taxes, which increased by 3.1% in Quarter 2 2018 following a 0.5% fall in the previous quarter.

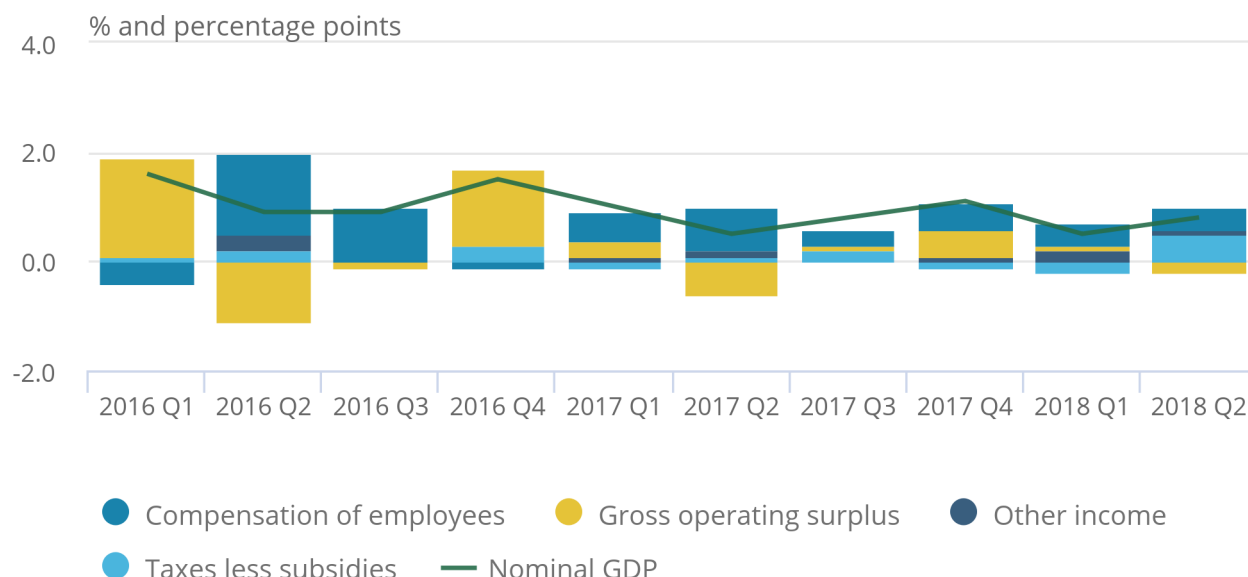
Other income growth also slowed, but contributed positively to growth in Quarter 2 2018. Meanwhile, GOS contributed negatively to nominal GDP growth for the first time since Quarter 2 (Apr to June) 2017. However, this largely reflects the application of an alignment adjustment in the calculation of profits for private non-financial corporations.

Figure 9: Nominal GDP growth in Quarter 2 (Apr to June) 2018 was driven by taxes less subsidies, while growth in CoE slowed

UK, Quarter 1 (Jan to Mar) 2016 and Quarter 2 (Apr to June) 2018

Figure 9: Nominal GDP growth in Quarter 2 (Apr to June) 2018 was driven by taxes less subsidies, while growth in CoE slowed

UK, Quarter 1 (Jan to Mar) 2016 and Quarter 2 (Apr to June) 2018



Source: Office for National Statistics

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. Gross operating surplus includes the operation surplus of financial corporations, private non-financial corporations and public corporations.
3. Other income includes mixed income and the operating surplus of the non-corporate sector.

Today's figures also show an upward revision to annual nominal GDP growth in 2017, from 3.6% to 3.8%. This was driven by upward revisions across all main components – CoE, GOS, other income and taxes less subsidies.

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

The estimates quoted in this international comparison section are the latest available estimates at the time of preparation of this statistical bulletin and may subsequently have been revised.

All the areas included within our international comparisons saw positive growth in Quarter 2 (Apr to June) 2018, with Japan bouncing back to 0.7% from a negative 0.2% growth in Quarter 1 (Jan to Mar) 2018. The strongest growth seen in this quarter was 1.0% by the USA.

European Union (EU28) economies grew by an average of 0.4% in Quarter 2 2018. This means that average gross domestic product (GDP) growth between countries in the area has been positive for 21 consecutive quarters. G7 countries saw an average of 0.8% growth in Quarter 2 2018 – the strongest quarterly growth since Quarter 3 (July to Sept) 2014 (when it was also 0.8%). All G7 countries are above pre-economic downturn peaks except for Italy, whose GDP remains 5.3% below the pre-downturn peak (Quarter 1 2008).

The areas showing the biggest recoveries over this period are Canada and the US, up 19.5% and 18.1% respectively since the downturn. UK GDP is now 10.8% above the level recorded in Quarter 1 2008.

The data used for these international comparisons are gathered from the [Organisation for Economic Co-operation and Development's website](#) excluding the data from the UK, which is compiled within Office for National Statistics.

Table 1: International GDP growth rate comparisons

Chained volume measures, seasonally adjusted

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2016	0.6	0.7	0.5	0.7	0.9	0.2	0.3	0.6	0.8	0.4
Q2 2016	0.3	0.3	0.3	-0.2	0.4	0.1	0.2	-0.3	0.2	0.6
Q3 2016	0.4	0.3	0.4	0.2	0.2	0.2	0.5	1.1	0.3	0.5
Q4 2016	0.8	0.8	0.4	0.6	0.4	0.5	0.7	0.6	0.2	0.4
Q1 2017	0.7	0.7	0.6	0.8	1.1	0.5	0.4	1.0	0.7	0.4
Q2 2017	0.6	0.7	0.6	0.6	0.5	0.4	0.3	1.1	0.5	0.7
Q3 2017	0.6	0.7	0.6	0.7	0.6	0.4	0.4	0.4	0.6	0.7
Q4 2017	0.6	0.7	0.5	0.7	0.5	0.3	0.4	0.4	0.2	0.6
Q1 2018	0.4	0.4	0.3	0.2	0.4	0.3	0.1	0.4	-0.2	0.5
Q2 2018	0.4	0.4	0.8	0.2	0.5	0.2	0.4	0.7	0.7	1.0

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

Notes:

1. Percentage change on previous period.
2. EU28 is the European Union.
3. EA19 is the Eurozone.
4. G7 is the Group of Seven countries.
5. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
6. Non UK countries and groupings may show revisions in the back series due to NSI revisions.

8 . Links to related statistics

Release content

All data in this bulletin are seasonally adjusted estimates. Non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). These data can be downloaded directly from the [UKEA dataset](#) and on the [UKEA main aggregates](#) dataset table. Data published in the UKEA reflect data as published on 28 September 2018 and will be next updated on 21 December 2018 when the Quarter 3 (July to Sept) 2018 quarterly national accounts release and UKEA will become consistent.

Business investment

Further details on business investment along with revision triangles and a real time database are available within the datasets of the [Business investment release](#), published on 28 September 2018.

Quarterly sector accounts and balance of payments

The [Quarterly sector accounts](#) and [Balance of payments](#) releases were published on 28 September 2018.

Consumer trends

Estimates of household final consumption expenditure for the UK are also available in the [Consumer trends release](#), published on 28 September 2018.

Monthly GDP

On 10 September 2018, estimates of [Monthly GDP](#) were published for July 2018. The [Index of Services](#), [Index of Production](#) and [Construction output in Great Britain](#) publications covering the period up to July 2018 are also available.

9 . Are there any upcoming changes?

International Passenger Survey

Estimates derived from the International Passenger Survey (IPS) are used to help measure exports and imports of travel services. The IPS has recently transferred data collection from paper forms to tablet computers. While initial analysis of the new data found no detectable discontinuities, we are continuing to check the data. Therefore, headline trade and other national accounts estimates will continue to include some forecast data for exports and imports of travel services in the most recent periods. More information is available in the [Overseas travel and tourism release](#).

National Accounts articles

On 11 October 2018, we will publish an article discussing the [Latest developments to UK National Accounts and Balance of Payments, changes to be implemented for Blue Book and Pink Book 2019](#).

Monthly GDP

The Monthly GDP release on 10 October 2018 will for the first time include contributions to growth, in addition to indices and growth rates. Contributions to growth will be available for all sectors published in the Monthly GDP 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 the national accounts are comprehensive and provide different perspectives on the economy, for example, sales by retailers and purchases by households.

Important quality issues

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

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

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

Many different approaches can be used to summarise revisions; the “Validation and quality assurance” 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 last two quarters where the output data takes the lead due to its larger data content.

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

Alignment adjustments, found in Table M of the [quarterly national accounts datasets](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed. This has been the case for the income approach in Quarter 1 (Jan to Mar) 2017 and Quarter 2 (Apr to June) 2017, and the expenditure approach in Quarter 1 2018. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the expenditure and income components of GDP as required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content.

The size and direction of the quarterly alignment adjustments in Quarter 2 2018 indicate that in this quarter, the level of expenditure is lower than the level of output and income is higher than the level of output.

Table 2 shows the balancing adjustments applied to the GDP estimates in this publication. The quarterly and annual growth rates should be interpreted in the context of these adjustments.

Table 2: Balancing adjustments applied to the quarterly national accounts dataset for Quarter 1 2017 (Jan to Mar) to Quarter 2 (Apr to June) 2018

GDP measurement approach and component adjustment applied to		Q1 2017	Q2 2017	Q3 2017	Q4 2017	Q1 2018	Q2 2018
Expenditure							
Change in inventories	Current prices			500		-1600	-800
	Chained volume measure			500		-350	
Income							
Private non-financial corporations GOS	Current prices	500		500			
Financial corporations GOS	Current prices			200	200		
Household GOS	Current prices						-500

Source: Office for National Statistics

Notes:

1. Adjustments are in £ million.

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).

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
2014	93.6	93.7	96.0	95.7	95.4	95.0	98.5	97.6	97.9
2015	96.3	96.4	98.2	98.1	97.9	97.6	98.4	98.0	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.8	103.8	101.7	102.0	102.6	103.3	102.3	102.0	101.8
Seasonally adjusted									
2015 Q1	94.9	95.1	97.4	97.4	97.9	96.9	98.0	97.4	97.7
Q2	96.5	96.7	98.0	98.0	98.9	97.5	99.0	98.5	98.6
Q3	96.6	96.6	98.4	98.3	98.6	97.8	98.6	98.1	98.2
Q4	97.0	97.1	99.1	98.8	96.2	98.3	98.1	97.9	98.2
2016 Q1	98.6	98.6	99.5	99.1	98.8	98.8	99.3	99.1	99.4
Q2	99.4	99.4	99.6	99.6	98.9	99.5	100.0	99.8	99.9
Q3	100.3	100.4	100.1	100.2	100.3	100.3	100.1	100.2	100.2
Q4	101.7	101.7	100.8	101.1	102.1	101.5	100.6	100.9	100.5
2017 Q1	102.7	102.7	101.3	101.5	103.0	102.7	101.6	101.5	101.2
Q2	103.2	103.4	101.5	101.8	101.9	103.0	101.8	101.7	101.6
Q3	104.1	104.0	101.9	102.1	102.8	103.5	102.4	102.1	101.8
Q4	105.2	105.3	102.3	102.5	102.8	104.1	103.2	102.9	102.8
2018 Q1	105.8	106.0	102.4	102.6	103.6	104.2	103.4	103.3	103.4
Q2	106.6	106.6	102.8	103.0	103.8	104.7	103.7	103.7	103.5
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2014	4.7	4.6	2.9	3.4	3.5	3.7	1.2	1.7	1.2
2015	2.8	2.8	2.3	2.5	2.6	2.8	-0.1	0.4	0.2
2016	3.9	3.8	1.8	1.9	2.1	2.4	1.6	2.1	1.9
2017	3.8	3.8	1.7	2.0	2.6	3.3	2.3	2.0	1.8
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2015 Q1	0.5	0.7	0.4	0.3	2.2	0.5	-0.2	0.1	0.4
Q2	1.7	1.7	0.6	0.7	1.1	0.6	1.0	1.1	1.0
Q3	0.1	-0.1	0.4	0.3	-0.4	0.3	-0.4	-0.4	-0.4
Q4	0.5	0.5	0.7	0.5	-2.4	0.5	-0.5	-0.3	-
2016 Q1	1.6	1.5	0.3	0.3	2.7	0.4	1.2	1.3	1.2
Q2	0.9	0.9	0.2	0.4	0.1	0.7	0.7	0.7	0.4
Q3	0.9	0.9	0.5	0.6	1.4	0.8	0.2	0.4	0.3
Q4	1.5	1.3	0.7	0.9	1.8	1.2	0.5	0.7	0.4
2017 Q1	1.0	1.0	0.4	0.4	0.9	1.2	1.0	0.5	0.6
Q2	0.5	0.6	0.3	0.3	-1.1	0.4	0.3	0.2	0.4
Q3	0.8	0.6	0.4	0.3	0.9	0.5	0.5	0.5	0.3
Q4	1.1	1.3	0.4	0.4	-0.1	0.5	0.8	0.7	0.9
2018 Q1	0.5	0.7	0.1	0.1	0.8	0.1	0.2	0.4	0.6
Q2	0.8	0.5	0.4	0.4	0.2	0.5	0.3	0.4	0.1
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2015 Q1	3.0	3.2	2.7	3.3	3.6	3.6	-0.2	0.3	-0.1
Q2	3.2	3.3	2.4	2.9	3.8	3.1	0.2	0.7	0.3
Q3	2.3	2.0	2.1	2.2	2.7	2.4	-0.2	0.2	-0.2
Q4	2.8	2.8	2.2	1.8	0.4	2.0	-0.1	0.5	0.9
2016 Q1	3.9	3.6	2.1	1.8	0.9	1.9	1.3	1.7	1.8
Q2	3.0	2.8	1.7	1.6	-	2.0	0.9	1.3	1.3
Q3	3.8	3.9	1.7	1.9	1.7	2.5	1.5	2.1	2.0
Q4	4.9	4.7	1.7	2.3	6.1	3.2	2.5	3.1	2.4
2017 Q1	4.2	4.2	1.8	2.4	4.3	4.0	2.3	2.4	1.8
Q2	3.8	3.9	1.9	2.2	3.0	3.6	1.9	1.9	1.7
Q3	3.8	3.6	1.8	1.9	2.6	3.2	2.3	1.9	1.7
Q4	3.4	3.6	1.4	1.4	0.7	2.6	2.6	1.9	2.2
2018 Q1	2.9	3.2	1.1	1.1	0.5	1.5	1.8	1.8	2.2
Q2	3.2	3.1	1.2	1.2	1.9	1.6	1.9	2.0	1.9

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

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

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

A2 National accounts aggregates¹

£ million

	Current prices					Chained Volume Measures (Reference year 2016)				
	Gross national income at market prices	Net income from abroad ²	Gross domestic product at market prices	less Basic price 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	
2014	1 806 468	-37 827	1 844 295	198 340	1 645 955	1 890 493	209 942	1 680 700	1 669 769	
2015	1 852 845	-42 994	1 895 839	203 800	1 692 039	1 934 903	211 411	1 723 523	1 711 310	
2016	1 920 116	-49 408	1 969 524	213 479	1 756 045	1 969 524	213 479	1 756 045	1 743 298	
2017	2 011 674	-32 797	2 044 471	220 893	1 823 578	2 003 817	213 020	1 790 797	1 778 185	
Seasonally adjusted										
2015 Q1	457 205	-10 090	467 295	49 777	417 518	479 734	52 180	427 535	424 741	
Q2	469 235	-5 993	475 229	50 726	424 503	482 464	52 024	430 425	427 251	
Q3	466 800	-8 742	475 541	51 621	423 920	484 552	52 849	431 718	428 558	
Q4	459 605	-18 169	477 774	51 676	426 098	488 153	54 358	433 845	430 760	
2016 Q1	470 818	-14 512	485 326	52 667	432 659	489 736	54 606	435 169	432 081	
Q2	475 548	-13 944	489 494	52 981	436 513	490 502	53 391	437 116	433 934	
Q3	482 658	-11 072	493 730	53 153	440 577	492 816	52 908	439 892	436 496	
Q4	491 092	-9 880	500 974	54 678	446 296	496 470	52 574	443 868	440 787	
2017 Q1	500 677	-5 206	505 882	54 944	450 938	498 645	52 961	445 684	442 519	
Q2	498 775	-9 459	508 235	54 492	453 743	499 942	53 138	446 804	443 598	
Q3	504 983	-7 397	512 380	55 888	456 492	501 695	53 359	448 336	445 116	
Q4	507 239	-10 735	517 974	55 569	462 405	503 535	53 562	449 973	446 952	
2018 Q1	514 017	-6 726	520 742	55 212	465 530	504 001	53 637	450 364	447 200	
Q2	515 919	-8 811	524 731	56 867	467 864	506 031	53 862	452 169	449 001	
Percentage change,latest year on previous year										
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8	
2014	4.7		4.7		4.6	2.9		3.4	3.4	
2015	2.6		2.8		2.8	2.3		2.5	2.5	
2016	3.6		3.9		3.8	1.8		1.9	1.9	
2017	4.8		3.8		3.8	1.7		2.0	2.0	
Percentage change, latest quarter on previous quarter										
	KH75		IHYN		KGL8	IHYQ		KGM9		
2015 Q1	0.8		0.5		0.7	0.4		0.3	0.3	
Q2	2.6		1.7		1.7	0.6		0.7	0.6	
Q3	-0.5		0.1		-0.1	0.4		0.3	0.3	
Q4	-1.5		0.5		0.5	0.7		0.5	0.5	
2016 Q1	2.4		1.6		1.5	0.3		0.3	0.3	
Q2	1.0		0.9		0.9	0.2		0.4	0.4	
Q3	1.5		0.9		0.9	0.5		0.6	0.6	
Q4	1.7		1.5		1.3	0.7		0.9	1.0	
2017 Q1	2.0		1.0		1.0	0.4		0.4	0.4	
Q2	-0.4		0.5		0.6	0.3		0.3	0.2	
Q3	1.2		0.8		0.6	0.4		0.3	0.3	
Q4	0.4		1.1		1.3	0.4		0.4	0.4	
2018 Q1	1.3		0.5		0.7	0.1		0.1	0.1	
Q2	0.4		0.8		0.5	0.4		0.4	0.4	
Percentage change, latest quarter on corresponding quarter of previous year										
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9	
2015 Q1	2.4		3.0		3.2	2.7		3.3	3.3	
Q2	3.6		3.2		3.3	2.4		2.9	2.8	
Q3	2.8		2.3		2.0	2.1		2.2	2.1	
Q4	1.4		2.8		2.8	2.2		1.8	1.7	
2016 Q1	3.0		3.9		3.6	2.1		1.8	1.7	
Q2	1.3		3.0		2.8	1.7		1.6	1.6	
Q3	3.4		3.8		3.9	1.7		1.9	1.9	
Q4	6.9		4.9		4.7	1.7		2.3	2.3	
2017 Q1	6.3		4.2		4.2	1.8		2.4	2.4	
Q2	4.9		3.8		3.9	1.9		2.2	2.2	
Q3	4.6		3.8		3.6	1.8		1.9	2.0	
Q4	3.3		3.4		3.6	1.4		1.4	1.4	
2018 Q1	2.7		2.9		3.2	1.1		1.1	1.1	
Q2	3.4		3.2		3.1	1.2		1.2	1.2	

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

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

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

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

2016 = 100

	Production							Service industries						Gross value added excluding oil & gas
	Agri- culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr- uction	Distri- bution, hotels & restaura- nts	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added ⁴	
2016 Weights³	7	10	100	17	10	138	60	134	106	335	221	796	1000	993
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2014	104.9	92.3	99.6	96.9	91.5	97.9	92.0	92.2	92.9	95.5	99.1	95.5	95.7	95.8
2015	106.0	99.7	99.6	97.9	94.7	99.0	96.1	96.3	96.7	98.0	100.0	98.1	98.1	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.9	100.6	102.6	98.3	103.0	102.0	107.2	102.1	104.6	102.1	100.4	102.0	102.0	102.0
Seasonally adjusted														
2015 Q1	106.0	94.7	100.2	99.5	91.5	98.8	95.1	95.0	95.5	97.2	99.5	97.2	97.4	97.5
Q2	107.0	102.7	99.8	97.6	95.3	99.5	96.3	96.1	96.5	97.6	100.0	97.9	98.0	98.0
Q3	106.3	101.8	99.3	98.5	95.7	99.2	95.7	96.6	97.1	98.2	100.2	98.3	98.3	98.3
Q4	104.6	99.7	99.2	96.1	96.0	98.6	97.2	97.6	97.7	98.9	100.5	98.9	98.8	98.8
2016 Q1	100.7	97.9	99.0	98.1	97.8	98.7	97.5	98.7	98.0	99.3	100.3	99.3	99.1	99.1
Q2	99.7	100.1	100.2	102.5	100.5	100.5	99.2	99.2	98.2	99.6	99.9	99.4	99.6	99.6
Q3	99.5	105.1	99.7	98.5	100.6	100.1	100.2	100.1	101.0	100.3	99.8	100.2	100.2	100.2
Q4	100.1	97.0	101.0	100.9	101.2	100.7	103.1	101.9	102.8	100.8	100.0	101.0	101.1	101.1
2017 Q1	102.1	100.3	101.7	96.8	104.0	101.1	106.6	101.6	103.1	101.6	100.4	101.5	101.5	101.5
Q2	102.7	102.1	101.9	97.6	102.9	101.5	106.8	101.9	104.3	101.8	100.6	101.8	101.8	101.8
Q3	103.6	102.3	102.8	99.8	102.3	102.4	107.4	102.3	104.9	102.3	100.5	102.1	102.1	102.1
Q4	103.3	97.8	104.1	99.1	103.0	102.9	108.0	102.4	106.2	102.8	100.2	102.5	102.5	102.6
2018 Q1	102.0	100.3	104.0	100.2	101.7	103.1	106.3	102.7	106.2	103.3	100.5	102.8	102.6	102.6
Q2	102.1	101.0	103.3	96.9	102.5	102.2	107.2	104.3	107.7	103.4	100.8	103.4	103.0	103.0
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2014	12.2	0.6	2.9	-6.0	0.7	1.5	8.8	4.4	2.8	3.5	2.2	3.2	3.4	3.4
2015	1.1	8.0	-	1.0	3.4	1.2	4.4	4.5	4.1	2.6	0.9	2.7	2.5	2.5
2016	-5.6	0.3	0.4	2.1	5.6	1.0	4.1	3.8	3.4	2.1	-	1.9	1.9	1.9
2017	2.9	0.6	2.6	-1.7	3.0	2.0	7.2	2.1	4.6	2.1	0.4	2.0	2.0	2.0
Percentage change, latest quarter on previous quarter														
													KGM9	
2015 Q1	-1.3	2.2	-	2.5	0.2	0.5	1.1	1.1	0.5	0.3	-0.5	0.3	0.3	0.3
Q2	0.9	8.4	-0.4	-1.8	4.2	0.7	1.2	1.2	1.0	0.4	0.5	0.6	0.7	0.6
Q3	-0.6	-0.9	-0.4	0.8	0.4	-0.3	-0.6	0.5	0.6	0.6	0.2	0.5	0.3	0.3
Q4	-1.7	-2.0	-0.2	-2.4	0.3	-0.6	1.5	1.0	0.6	0.7	0.3	0.6	0.5	0.5
2016 Q1	-3.7	-1.9	-0.1	2.1	1.8	0.1	0.3	1.1	0.4	0.5	-0.2	0.4	0.3	0.3
Q2	-1.1	2.2	1.2	4.6	2.8	1.8	1.7	0.5	0.2	0.3	-0.4	0.1	0.4	0.4
Q3	-0.2	5.1	-0.5	-3.9	0.1	-0.4	1.1	0.9	2.9	0.7	-0.1	0.8	0.6	0.6
Q4	0.6	-7.8	1.3	2.4	0.6	0.6	2.9	1.7	1.8	0.5	0.1	0.8	0.9	1.0
2017 Q1	2.0	3.5	0.6	-4.0	2.8	0.4	3.4	-0.3	0.3	0.8	0.5	0.4	0.4	0.4
Q2	0.6	1.8	0.3	0.8	-1.0	0.3	0.2	0.3	1.1	0.2	0.2	0.4	0.3	0.2
Q3	0.9	0.2	0.9	2.2	-0.6	0.9	0.5	0.3	0.6	0.5	-0.2	0.3	0.3	0.3
Q4	-0.3	-4.4	1.3	-0.7	0.7	0.6	0.6	0.2	1.2	0.5	-0.2	0.4	0.4	0.4
2018 Q1	-1.2	2.6	-0.1	1.2	-1.3	0.1	-1.6	0.2	-	0.5	0.2	0.3	0.1	0.1
Q2	0.1	0.7	-0.7	-3.3	0.8	-0.8	0.8	1.6	1.5	0.1	0.4	0.6	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
2015 Q1	3.9	1.7	1.4	4.5	-2.1	1.5	6.7	5.0	5.1	3.4	1.3	3.3	3.3	3.3
Q2	2.4	10.3	0.2	1.7	5.0	1.8	5.7	4.9	4.6	2.7	1.2	2.9	2.9	2.8
Q3	0.7	12.5	-0.7	-0.9	5.7	1.2	2.1	4.4	3.8	2.4	0.8	2.5	2.2	2.1
Q4	-2.6	7.6	-1.1	-1.0	5.1	0.3	3.3	3.9	2.8	2.0	0.5	2.0	1.8	1.7
2016 Q1	-5.0	3.3	-1.1	-1.4	6.8	-0.1	2.5	3.9	2.6	2.1	0.8	2.1	1.8	1.7
Q2	-6.8	-2.5	0.5	5.0	5.4	1.0	3.0	3.2	1.8	2.0	-0.1	1.6	1.6	1.6
Q3	-6.5	3.3	0.4	0.1	5.1	0.9	4.7	3.7	4.0	2.1	-0.3	1.9	1.9	1.9
Q4	-4.3	-2.8	1.9	5.0	5.3	2.1	6.1	4.4	5.3	1.9	-0.5	2.1	2.3	2.3
2017 Q1	1.3	2.5	2.7	-1.3	6.4	2.4	9.4	2.9	5.2	2.2	0.2	2.2	2.4	2.4
Q2	3.0	2.0	1.7	-4.8	2.4	0.9	7.7	2.7	6.2	2.2	0.7	2.4	2.2	2.2
Q3	4.2	-2.7	3.1	1.2	1.6	2.3	7.1	2.1	3.9	2.0	0.6	1.9	1.9	2.0
Q4	3.1	0.8	3.1	-1.8	1.8	2.2	4.7	0.5	3.3	2.0	0.3	1.5	1.4	1.4
2018 Q1	-0.1	-	2.3	3.5	-2.2	2.0	-0.3	1.1	2.9	1.7	-	1.3	1.1	1.1
Q2	-0.5	-1.1	1.3	-0.7	-0.4	0.8	0.4	2.3	3.3	1.6	0.2	1.5	1.2	1.2

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

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

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

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

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

2016 = 100

Service industries											
	Wholesale and retail trade	Transport storage and communications	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services ⁴	Total services
2016 Weights³	104	106	30	73	138	123	47	59	75	40	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2014	91.7	92.9	94.0	99.5	96.0	92.5	103.8	98.9	96.9	98.2	95.5
2015	95.8	96.7	98.5	96.6	99.4	97.2	101.8	100.6	98.4	100.2	98.1
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.9	104.6	102.7	100.4	101.0	104.4	100.3	100.5	99.6	102.1	102.0
Seasonally adjusted											
2015 Q1	94.4	95.5	97.4	98.5	98.0	95.6	102.8	100.1	97.0	99.4	97.2
Q2	95.7	96.5	97.8	95.8	99.2	97.0	102.2	100.3	98.4	99.9	97.9
Q3	96.1	97.1	98.4	95.2	100.1	97.9	101.2	100.8	98.9	100.3	98.3
Q4	96.9	97.7	100.4	97.1	100.3	98.3	101.1	101.0	99.4	101.2	98.9
2016 Q1	98.6	98.0	99.2	98.7	100.5	98.4	100.5	100.5	100.1	99.9	99.3
Q2	99.2	98.2	99.3	99.4	99.9	99.4	99.8	99.8	100.1	99.7	99.4
Q3	100.2	101.0	100.1	101.2	99.7	100.4	99.8	99.7	100.0	99.7	100.2
Q4	102.0	102.8	101.5	100.7	99.9	101.8	99.8	100.0	99.7	100.6	101.0
2017 Q1	101.3	103.1	102.8	101.2	100.5	103.0	99.9	100.8	99.7	101.9	101.5
Q2	101.7	104.3	102.7	100.7	101.0	103.3	100.4	100.4	99.8	102.7	101.8
Q3	102.2	104.9	102.5	100.1	101.3	104.7	100.3	100.4	99.4	102.7	102.1
Q4	102.4	106.2	102.7	99.5	101.3	106.5	100.5	100.4	99.5	101.1	102.5
2018 Q1	102.5	106.2	103.4	99.9	101.6	107.2	100.6	100.4	99.6	101.8	102.8
Q2	104.2	107.7	104.8	100.0	101.5	107.5	100.7	100.9	99.7	102.8	103.4
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2014	4.9	2.8	2.7	-1.7	3.1	7.5	-1.8	1.5	3.4	6.2	3.2
2015	4.5	4.1	4.8	-2.9	3.5	5.1	-1.9	1.7	1.5	2.0	2.7
2016	4.4	3.4	1.5	3.5	0.6	2.9	-1.8	-0.6	1.6	-0.2	1.9
2017	1.9	4.6	2.7	0.4	1.0	4.4	0.3	0.5	-0.4	2.1	2.0
Percentage change, latest quarter on previous quarter											
2015 Q1	1.0	0.5	1.6	-1.2	1.0	0.4	-1.0	0.5	-1.3	0.1	0.3
Q2	1.4	1.0	0.5	-2.7	1.2	1.4	-0.6	0.1	1.5	0.4	0.6
Q3	0.5	0.6	0.6	-0.6	0.9	1.0	-0.9	0.5	0.5	0.5	0.5
Q4	0.8	0.6	2.0	2.0	0.2	0.4	-0.2	0.2	0.4	0.9	0.6
2016 Q1	1.8	0.4	-1.2	1.7	0.1	0.1	-0.6	-0.5	0.8	-1.2	0.4
Q2	0.6	0.2	0.1	0.8	-0.5	0.9	-0.6	-0.7	-	-0.2	0.1
Q3	0.9	2.9	0.8	1.8	-0.2	1.0	-	-0.1	-0.1	-	0.8
Q4	1.8	1.8	1.4	-0.4	0.1	1.5	-	0.3	-0.3	0.9	0.8
2017 Q1	-0.7	0.3	1.3	0.5	0.6	1.1	0.1	0.9	-0.1	1.3	0.4
Q2	0.4	1.1	-0.1	-0.5	0.6	0.3	0.5	-0.4	0.1	0.8	0.4
Q3	0.5	0.6	-0.2	-0.6	0.3	1.4	-0.1	-	-0.4	-	0.3
Q4	0.2	1.2	0.2	-0.6	0.1	1.7	0.2	-0.1	0.1	-1.6	0.4
2018 Q1	0.1	-	0.6	0.4	0.2	0.7	0.1	-	0.2	0.7	0.3
Q2	1.7	1.5	1.3	-	-	0.2	-	0.5	0.1	0.9	0.6
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2015 Q1	4.9	5.1	5.5	-1.1	3.3	6.6	-1.1	2.3	1.2	2.6	3.3
Q2	5.0	4.6	4.6	-3.9	3.6	5.9	-1.6	1.5	2.3	2.0	2.9
Q3	4.4	3.8	4.4	-4.0	3.8	4.9	-2.4	1.7	1.7	1.6	2.5
Q4	3.7	2.8	4.8	-2.6	3.4	3.2	-2.6	1.3	1.0	1.9	2.0
2016 Q1	4.5	2.6	1.9	0.2	2.5	3.0	-2.2	0.3	3.2	0.5	2.1
Q2	3.7	1.8	1.5	3.8	0.8	2.5	-2.3	-0.4	1.7	-0.1	1.6
Q3	4.2	4.0	1.7	6.3	-0.4	2.5	-1.4	-1.1	1.1	-0.6	1.9
Q4	5.3	5.3	1.1	3.8	-0.5	3.6	-1.2	-1.1	0.4	-0.6	2.1
2017 Q1	2.7	5.2	3.6	2.6	-	4.6	-0.6	0.3	-0.5	1.9	2.2
Q2	2.5	6.2	3.4	1.3	1.1	3.9	0.5	0.6	-0.3	3.0	2.4
Q3	2.0	3.9	2.4	-1.1	1.6	4.4	0.4	0.7	-0.7	3.0	1.9
Q4	0.3	3.3	1.3	-1.2	1.5	4.6	0.7	0.4	-0.3	0.5	1.5
2018 Q1	1.2	2.9	0.6	-1.3	1.1	4.1	0.7	-0.5	-	-	1.3
Q2	2.4	3.3	2.1	-0.8	0.5	4.0	0.3	0.5	-0.1	0.1	1.5

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										Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less Total imports	Trade balance ⁶			
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2014	1 142 350	56 259	357 101	305 747	175 594	12 565	–	–52 187	3 970 520	292 239	262 549	967	–29 675	–	1 844 295	
2015	1 178 915	56 566	361 028	319 432	184 620	7 046	–	–164 192	2 823 519	610 244	433 546	594	–26 984	–	1 895 839	
2016	1 235 247	57 343	367 974	331 442	187 032	8 556	–	–151 200	411 556	961 255	372 587	848	–30 887	–	1 969 524	
2017	1 285 949	57 843	372 750	350 689	195 296	3 096	–	354 207	681 617	763 268	444 640	503	–22 740	–3 470	2 044 471	
Seasonally adjusted																
2015 Q1	290 220	14 139	90 075	79 609	46 422	193	1 832	2 508	476 744	130 245	606 989	139 694	–9 449	–	467 295	
Q2	293 370	14 128	89 420	80 279	46 328	3 330	223	–325	480 202	131 032	611 234	136 005	–4 973	–	475 229	
Q3	296 059	14 133	91 090	79 035	45 461	2 164	–1 721	–671	481 810	127 895	609 705	134 164	–6 269	–	475 541	
Q4	299 266	14 166	90 443	80 509	46 409	1 359	–334	–1 676	484 067	130 438	614 505	136 731	–6 293	–	477 774	
2016 Q1	303 176	14 217	91 626	80 667	45 850	2 046	–84	295	492 027	131 401	623 428	138 102	–6 701	–	485 326	
Q2	306 925	14 287	91 550	82 434	46 690	1 712	–900	–1 196	495 712	136 044	631 756	142 262	–6 218	–	489 494	
Q3	310 953	14 371	92 032	83 994	47 583	3 500	1 981	2 620	507 470	138 462	645 932	152 202	–13 740	–	493 730	
Q4	314 193	14 468	92 766	84 347	46 909	1 298	–997	–1 870	505 202	151 054	656 256	155 282	–4 228	–	500 974	
2017 Q1	318 499	14 475	92 970	85 479	47 222	2 613	477	–581	513 455	150 707	664 162	157 929	–7 222	–351	505 882	
Q2	320 447	14 467	92 864	87 419	48 744	544	–991	194	515 935	152 146	668 081	159 174	–7 028	–672	508 235	
Q3	321 477	14 451	93 054	88 297	49 417	1 044	1 357	108	518 431	156 336	674 767	161 288	–4 952	–1 099	512 380	
Q4	325 526	14 450	93 862	89 494	49 913	–1 105	–843	633	522 860	158 574	681 434	162 112	–3 538	–1 348	517 974	
2018 Q1	329 859	14 448	94 730	89 130	49 823	–3 246	–2 917	329	525 250	157 758	683 008	161 030	–3 272	–1 236	520 742	
Q2	331 834	14 439	94 734	88 771	49 450	672	789	1 384	531 834	157 542	689 376	163 648	–6 106	–997	524 731	
Percentage change, latest year on previous year																
	KG Y7	KG Z8	KH 2C	KG 6O	KG 6N				KG X3	KH 2O	KG V7	KH 3H			IH YM	
2014	4.0	3.4	3.0	8.6	5.9				4.7	–0.6	3.5	–0.5			4.7	
2015	3.2	0.5	1.1	4.5	5.1				2.6	–0.1	2.0	–0.6			2.8	
2016	4.8	1.4	1.9	3.8	1.3				4.0	7.2	4.7	7.5			3.9	
2017	4.1	0.9	1.3	5.8	4.4				3.5	10.9	5.1	9.0			3.8	
Percentage change, latest quarter on previous quarter																
	KG Y8	KG Z9	KH 2D	KG 6W	KG 6V				KG X4	KH 2P	KG V8	KH 3I			IH YN	
2015 Q1	0.4	–	0.3	2.3	4.0				0.5	–1.2	0.2	–0.9			0.5	
Q2	1.1	–0.1	–0.7	0.8	–0.2				0.7	0.6	0.7	–2.6			1.7	
Q3	0.9	–	1.9	–1.5	–1.9				0.3	–2.4	–0.3	–1.4			0.1	
Q4	1.1	0.2	–0.7	1.9	2.1				0.5	2.0	0.8	1.9			0.5	
2016 Q1	1.3	0.4	1.3	0.2	–1.2				1.6	0.7	1.5	1.0			1.6	
Q2	1.2	0.5	–0.1	2.2	1.8				0.7	3.5	1.3	3.0			0.9	
Q3	1.3	0.6	0.5	1.9	1.9				2.4	1.8	2.2	7.0			0.9	
Q4	1.0	0.7	0.8	0.4	–1.4				–0.4	9.1	1.6	2.0			1.5	
2017 Q1	1.4	–	0.2	1.3	0.7				1.6	–0.2	1.2	1.7			1.0	
Q2	0.6	–0.1	–0.1	2.3	3.2				0.5	1.0	0.6	0.8			0.5	
Q3	0.3	–0.1	0.2	1.0	1.4				0.5	2.8	1.0	1.3			0.8	
Q4	1.3	–	0.9	1.4	1.0				0.9	1.4	1.0	0.5			1.1	
2018 Q1	1.3	–	0.9	–0.4	–0.2				0.5	–0.5	0.2	–0.7			0.5	
Q2	0.6	–0.1	–	–0.4	–0.7				1.3	–0.1	0.9	1.6			0.8	
Percentage change, latest quarter on corresponding quarter of previous year																
	KG Y9	KH 22	KH 2E	KG 76	KG 75				KG X5	KH 2Q	KG V9	KH 3J			IH YO	
2015 Q1	3.2	1.4	0.6	5.3	8.0				3.3	1.2	2.8	2.4			3.0	
Q2	3.1	0.5	2.0	6.4	5.5				3.1	–0.1	2.4	–0.1			3.2	
Q3	3.0	0.1	1.1	2.8	3.2				2.0	–0.6	1.4	–1.7			2.3	
Q4	3.6	0.2	0.7	3.4	4.0				2.1	–1.0	1.4	–3.0			2.8	
2016 Q1	4.5	0.6	1.7	1.3	–1.2				3.2	0.9	2.7	–1.1			3.9	
Q2	4.6	1.1	2.4	2.7	0.8				3.2	3.8	3.4	4.6			3.0	
Q3	5.0	1.7	1.0	6.3	4.7				5.3	8.3	5.9	13.4			3.8	
Q4	5.0	2.1	2.6	4.8	1.1				4.4	15.8	6.8	13.6			4.9	
2017 Q1	5.1	1.8	1.5	6.0	3.0				4.4	14.7	6.5	14.4			4.2	
Q2	4.4	1.3	1.4	6.0	4.4				4.1	11.8	5.7	11.9			3.8	
Q3	3.4	0.6	1.1	5.1	3.9				2.2	12.9	4.5	6.0			3.8	
Q4	3.6	–0.1	1.2	6.1	6.4				3.5	5.0	3.8	4.4			3.4	
2018 Q1	3.6	–0.2	1.9	4.3	5.5				2.3	4.7	2.8	2.0			2.9	
Q2	3.6	–0.2	2.0	1.5	1.4				3.1	3.5	3.2	2.8			3.2	

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										Gross domestic product at market prices
	Households	Non-profit institutions ²	General government ⁷	Gross fixed capital formation	Of which business investment ³	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Exports	Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI
2014	1 165 059	57 035	360 149	313 472	180 608	14 477	-1	-97 190	1 901 970	527 797	2 429 522	539 475	-11 678	-	1 890 493
2015	1 196 525	56 874	365 223	324 016	187 355	11 146	-1	-360 195	1 953 172	551 228	2 504 151	569 120	-17 892	-	1 934 903
2016	1 235 247	57 343	367 974	331 442	187 031	8 556	-	-151 200	411 556	961 255	572 372	587 848	-30 887	-	1 969 524
2017	1 258 913	56 903	367 457	342 351	190 313	-832	-	285 202	507 077	588 689	2 613 766	606 556	-17 867	-3 393	2 003 817
Seasonally adjusted															
2015 Q1	295 287	14 220	90 461	80 808	47 195	1 011	1 878	2 536	486 411	136 932	623 264	143 349	-6 417	-	479 734
Q2	297 798	14 293	91 291	81 764	47 152	3 154	223	-345	484 867	138 061	622 843	140 387	-2 326	-	482 464
Q3	301 636	14 166	91 806	80 017	45 985	4 199	-1 757	-748	488 607	136 744	625 287	140 793	-4 049	-	484 552
Q4	301 804	14 195	91 665	81 427	47 023	2 782	-345	-1 803	493 287	139 491	632 757	144 591	-5 100	-	488 153
2016 Q1	305 101	14 251	92 044	81 415	46 221	1 881	-86	284	495 416	138 252	633 733	143 976	-5 724	-	489 736
Q2	307 595	14 345	91 959	82 695	46 622	347	-903	-1 264	495 847	139 554	635 416	144 900	-5 346	-	490 502
Q3	311 268	14 338	91 802	83 909	47 330	1 173	1 977	2 626	506 847	135 108	642 147	149 364	-14 256	-	492 816
Q4	311 283	14 409	92 003	83 423	46 858	5 155	-988	-1 797	502 301	144 047	646 076	149 608	-5 561	-	496 470
2017 Q1	313 246	14 333	91 596	84 217	46 756	2 694	468	-572	505 514	143 535	649 049	150 058	-6 523	-346	498 645
Q2	314 160	14 261	91 971	85 750	47 593	262	-976	180	506 584	145 133	651 717	151 114	-5 981	-661	499 942
Q3	315 215	14 166	91 802	85 912	47 857	-889	1 328	95	506 301	149 249	655 550	152 779	-3 530	-1 076	501 695
Q4	316 292	14 143	92 088	86 472	48 107	-2 899	-820	582	506 678	150 772	657 450	152 605	-1 833	-1 310	503 535
2018 Q1	317 896	14 067	92 275	85 625	47 846	-2 365	-2 822	252	507 750	149 639	657 389	152 192	-2 553	-1 196	504 001
Q2	319 088	13 948	91 937	85 224	47 507	1 195	762	1 259	512 651	146 299	658 950	151 958	-5 659	-961	506 031
Percentage change, latest year on previous year															
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHY9
2014	2.1	1.1	2.2	7.2	5.2			3.4	2.3	3.1	3.8				2.9
2015	2.7	-0.3	1.4	3.4	3.7			2.7	4.4	3.1	5.5				2.3
2016	3.2	0.8	0.8	2.3	-0.2			2.4	1.0	2.1	3.3				1.8
2017	1.9	-0.8	-0.1	3.3	1.8			1.2	5.7	2.2	3.2				1.7
Percentage change, latest quarter on previous quarter															
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHYQ
2015 Q1	0.6	0.1	0.5	1.7	3.3			0.7	1.2	0.8	2.2				0.4
Q2	0.9	0.5	0.9	1.2	-0.1			-0.3	0.8	-0.1	-2.1				0.6
Q3	1.3	-0.9	0.6	-2.1	-2.5			0.8	-1.0	0.4	0.3				0.4
Q4	0.1	0.2	-0.2	1.8	2.3			1.0	2.0	1.2	2.7				0.7
2016 Q1	1.1	0.4	0.4	-	-1.7			0.4	-0.9	0.2	-0.4				0.3
Q2	0.8	0.7	-0.1	1.6	0.9			0.1	0.9	0.3	0.6				0.2
Q3	1.2	-	-	1.5	1.5			2.2	-3.2	1.1	3.1				0.5
Q4	-	0.5	-	-0.6	-1.0			-0.9	6.6	0.6	0.2				0.7
2017 Q1	0.6	-0.5	-0.4	1.0	-0.2			0.6	-0.4	0.5	0.3				0.4
Q2	0.3	-0.5	0.4	1.8	1.8			0.2	1.1	0.4	0.7				0.3
Q3	0.3	-0.7	-0.2	0.2	0.6			-0.1	2.8	0.6	1.1				0.4
Q4	0.3	-0.2	0.3	0.7	0.5			0.1	1.0	0.3	-0.1				0.4
2018 Q1	0.5	-0.5	0.2	-1.0	-0.5			0.2	-0.8	-	-0.3				0.1
Q2	0.4	-0.8	-0.4	-0.5	-0.7			1.0	-2.2	0.2	-0.2				0.4
Percentage change, latest quarter on corresponding quarter of previous year															
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR
2015 Q1	2.3	-0.8	1.0	4.4	7.0			3.5	5.7	4.0	8.3				2.7
Q2	2.7	0.4	1.2	5.3	4.0			2.9	4.2	3.2	5.9				2.4
Q3	3.0	-0.6	1.6	1.3	1.2			2.2	4.8	2.8	4.9				2.1
Q4	2.8	-0.1	1.8	2.5	2.9			2.2	3.1	2.4	3.0				2.2
2016 Q1	3.3	0.2	1.7	0.8	-2.1			1.9	1.0	1.7	0.4				2.1
Q2	3.3	0.4	0.7	1.1	-1.1			2.3	1.1	2.0	3.2				1.7
Q3	3.2	1.2	0.2	4.9	2.9			3.7	-1.2	2.7	6.1				1.7
Q4	3.1	1.5	0.4	2.5	-0.4			1.8	3.3	2.1	3.5				1.7
2017 Q1	2.7	0.6	-0.5	3.4	1.2			2.0	3.8	2.4	4.2				1.8
Q2	2.1	-0.6	-	3.7	2.1			2.2	4.0	2.6	4.3				1.9
Q3	1.3	-1.2	-0.2	2.4	1.1			-0.1	10.5	2.1	2.3				1.8
Q4	1.6	-1.8	0.1	3.7	2.7			0.9	4.7	1.8	2.0				1.4
2018 Q1	1.5	-1.9	0.7	1.7	2.3			0.4	4.3	1.3	1.4				1.1
Q2	1.6	-2.2	-	-0.6	-0.2			1.2	0.8	1.1	0.6				1.2

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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

D Gross domestic product by category of income: current prices¹

£ million

Gross operating surplus of corporations											
	Compensation of employees	Private non-financial corporations ²	Of which alignment adjustment	Financial corporations	Public corporations	Total ³	Other income ⁴	Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2014	899 969	338 165	–	59 371	16 550	414 086	305 856	1 619 911	224 384	–	1 844 295
2015	928 459	346 248	–	50 341	17 280	413 869	322 906	1 665 234	230 605	–	1 895 839
2016	963 406	357 702	–	56 980	17 625	432 307	333 887	1 729 600	239 924	–	1 969 524
2017	1 004 398	370 871	–	58 359	16 883	446 113	337 991	1 788 502	246 882	9 087	2 044 471
Seasonally adjusted											
2015 Q1	228 320	86 525	1 090	14 134	3 804	104 464	78 492	411 276	56 019	–	467 295
Q2	230 772	89 617	831	12 220	4 877	106 714	80 177	417 663	57 566	–	475 229
Q3	234 183	86 323	–1 054	10 294	4 400	101 016	81 855	417 054	58 487	–	475 541
Q4	235 184	83 783	–867	13 693	4 199	101 675	82 382	419 241	58 533	–	477 774
2016 Q1	233 322	92 810	1 912	13 640	3 929	110 376	82 608	426 306	59 020	–	485 326
Q2	240 398	86 104	–1 681	14 358	4 943	105 406	83 888	429 692	59 802	–	489 494
Q3	245 066	84 982	–1 987	15 582	4 428	104 992	83 782	433 840	59 890	–	493 730
Q4	244 620	93 806	1 756	13 400	4 325	111 533	83 609	439 762	61 212	–	500 974
2017 Q1	246 867	94 341	2 294	14 612	3 970	112 923	83 926	443 716	60 897	1 269	505 882
Q2	250 576	90 543	–2 022	14 572	4 756	109 871	84 387	444 834	61 389	2 012	508 235
Q3	252 221	91 323	–1 783	14 533	4 462	110 318	84 590	447 129	62 561	2 690	512 380
Q4	254 734	94 664	1 511	14 642	3 695	113 001	85 088	452 823	62 035	3 116	517 974
2018 Q1	256 848	96 379	1 614	13 979	3 000	113 358	86 250	456 456	61 028	3 258	520 742
Q2	258 616	95 187	–1 344	14 652	2 741	112 580	86 712	457 908	63 745	3 078	524 731
Percentage change, latest year on previous year											
	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2014	2.2	10.2		2.9	1.3	8.7	6.9	4.7	5.1		4.7
2015	3.2	2.4		–15.2	4.4	–0.1	5.6	2.8	2.8		2.8
2016	3.8	3.3		13.2	2.0	4.5	3.4	3.9	4.0		3.9
2017	4.3	3.7		2.4	–4.2	3.2	1.2	3.4	2.9		3.8
Percentage change, latest quarter on previous quarter											
	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2015 Q1	0.4	3.6		–7.9	–6.8	1.5	1.1	0.8	–1.5		0.5
Q2	1.1	3.6		–13.5	28.2	2.2	2.1	1.6	2.8		1.7
Q3	1.5	–3.7		–15.8	–9.8	–5.3	2.1	–0.1	1.6		0.1
Q4	0.4	–2.9		33.0	–4.6	0.7	0.6	0.5	0.1		0.5
2016 Q1	–0.8	10.8		–0.4	–6.4	8.6	0.3	1.7	0.8		1.6
Q2	3.0	–7.2		5.3	25.8	–4.5	1.5	0.8	1.3		0.9
Q3	1.9	–1.3		8.5	–10.4	–0.4	–0.1	1.0	0.1		0.9
Q4	–0.2	10.4		–14.0	–2.3	6.2	–0.2	1.4	2.2		1.5
2017 Q1	0.9	0.6		9.0	–8.2	1.2	0.4	0.9	–0.5		1.0
Q2	1.5	–4.0		–0.3	19.8	–2.7	0.5	0.3	0.8		0.5
Q3	0.7	0.9		–0.3	–6.2	0.4	0.2	0.5	1.9		0.8
Q4	1.0	3.7		0.8	–17.2	2.4	0.6	1.3	–0.8		1.1
2018 Q1	0.8	1.8		–4.5	–18.8	0.3	1.4	0.8	–1.6		0.5
Q2	0.7	–1.2		4.8	–8.6	–0.7	0.5	0.3	4.5		0.8
Percentage change, latest quarter on corresponding quarter of previous year											
	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2015 Q1	2.3	4.1		–0.5	9.6	3.6	5.2	3.2	1.2		3.0
Q2	3.4	7.2		–24.3	1.5	2.1	4.3	3.2	2.5		3.2
Q3	3.5	–1.8		–24.7	5.0	–4.5	6.6	2.0	4.5		2.3
Q4	3.4	0.3		–10.8	2.9	–1.2	6.1	2.7	2.9		2.8
2016 Q1	2.2	7.3		–3.5	3.3	5.7	5.2	3.7	5.4		3.9
Q2	4.2	–3.9		17.5	1.4	–1.2	4.6	2.9	3.9		3.0
Q3	4.6	–1.6		51.4	0.6	3.9	2.4	4.0	2.4		3.8
Q4	4.0	12.0		–2.1	3.0	9.7	1.5	4.9	4.6		4.9
2017 Q1	5.8	1.6		7.1	1.0	2.3	1.6	4.1	3.2		4.2
Q2	4.2	5.2		1.5	–3.8	4.2	0.6	3.5	2.7		3.8
Q3	2.9	7.5		–6.7	0.8	5.1	1.0	3.1	4.5		3.8
Q4	4.1	0.9		9.3	–14.6	1.3	1.8	3.0	1.3		3.4
2018 Q1	4.0	2.2		–4.3	–24.4	0.4	2.8	2.9	0.2		2.9
Q2	3.2	5.1		0.5	–42.4	2.5	2.8	2.9	3.8		3.2

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL ²																
UK DOMESTIC ³																
COICOP ¹	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport ⁴	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF	
2014	1 142 350	6 534	1 135 816	97 568	42 060	61 672	307 811	51 263	18 998	156 337	20 971	106 429	19 757	106 837	146 113	
2015	1 178 915	8 142	1 170 773	97 457	41 154	65 039	319 910	54 439	20 161	157 707	22 339	111 116	21 233	110 760	149 458	
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940	
2017	1 285 949	11 170	1 274 779	103 899	42 575	70 149	340 712	66 208	23 615	169 959	24 795	125 011	22 902	122 815	162 139	
Seasonally adjusted																
2015 Q1	290 220	2 190	288 030	24 160	10 390	15 712	79 128	13 407	4 743	38 168	5 455	27 107	5 179	27 165	37 416	
Q2	293 370	1 807	291 563	24 341	10 205	16 274	79 866	13 373	4 955	39 298	5 545	27 585	5 222	27 439	37 460	
Q3	296 059	1 987	294 072	24 396	10 241	16 506	80 938	13 577	5 065	39 913	5 585	27 963	5 277	27 903	36 708	
Q4	299 266	2 158	297 108	24 560	10 318	16 547	79 978	14 082	5 398	40 328	5 754	28 461	5 555	28 253	37 874	
2016 Q1	303 176	2 748	300 428	24 606	10 309	16 463	81 826	14 454	5 500	40 529	5 877	29 020	5 610	28 330	37 904	
Q2	306 925	3 293	303 632	24 477	10 463	16 218	82 552	14 737	5 458	40 817	5 929	29 647	5 616	28 973	38 745	
Q3	310 953	3 807	307 146	24 864	10 467	16 551	82 394	15 024	5 524	41 230	6 100	30 190	5 665	29 289	39 848	
Q4	314 193	3 587	310 606	24 866	10 355	16 907	83 485	15 662	5 614	41 497	6 089	30 267	5 652	29 769	40 443	
2017 Q1	318 499	3 198	315 301	25 403	10 420	17 202	83 843	15 848	5 658	43 177	6 096	31 069	5 681	30 377	40 527	
Q2	320 447	3 076	317 371	25 826	10 741	17 557	84 887	16 365	5 895	41 431	6 175	31 075	5 710	30 459	41 250	
Q3	321 477	2 166	319 311	26 144	10 687	17 697	85 778	16 863	5 974	42 148	6 260	31 309	5 741	30 983	39 727	
Q4	325 526	2 730	322 796	26 526	10 727	17 693	86 204	17 132	6 088	43 203	6 264	31 558	5 770	30 996	40 635	
2018 Q1	329 859	3 123	326 736	26 720	10 819	17 760	86 962	17 533	6 424	43 330	6 213	31 720	5 802	31 077	42 376	
Q2	331 834	2 961	328 873	26 848	10 924	17 925	86 647	17 787	6 440	43 653	6 286	31 922	5 833	31 224	43 384	
Percentage change, latest year on previous year																
	KG7		KG6U	KG9N	KG7F	KG9F	KG7G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P
2014	4.0		4.1	1.1	0.5	6.0	2.5	4.9	3.5	3.8	-1.0	3.2	11.4	4.5	10.7	
2015	3.2		3.1	-0.1	-2.2	5.5	3.9	6.2	6.1	0.9	6.5	4.4	7.5	3.7	2.3	
2016	4.8		4.4	1.4	1.1	1.7	3.2	10.0	9.6	4.0	7.4	7.2	6.2	5.1	5.0	
2017	4.1		4.3	5.1	2.4	6.1	3.2	10.6	6.9	3.6	3.3	4.9	1.6	5.5	3.3	
Percentage change, quarter on previous quarter																
	KG8		KG74	KG9R	KG7F	KG9G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P	KG7Q
2015 Q1	0.4		0.4	-0.9	-0.7	0.4	2.1	2.3	0.5	-2.7	2.2	0.7	1.7	1.1	-0.8	
Q2	1.1		1.2	0.7	-1.8	3.6	0.9	-0.3	4.5	3.0	1.6	1.8	0.8	1.0	0.1	
Q3	0.9		0.9	0.2	0.4	1.4	1.3	1.5	2.2	1.6	0.7	1.4	1.1	1.7	-2.0	
Q4	1.1		1.0	0.7	0.8	0.2	-1.2	3.7	6.6	1.0	3.0	1.8	5.3	1.3	3.2	
2016 Q1	1.3		1.1	0.2	-0.1	-0.5	2.3	2.6	1.9	0.5	2.1	2.0	1.0	0.3	0.1	
Q2	1.2		1.1	-0.5	1.5	-1.5	0.9	2.0	-0.8	0.7	0.9	2.2	0.1	2.3	2.2	
Q3	1.3		1.2	1.6	-	2.1	-0.2	1.9	1.2	1.0	2.9	1.8	0.9	1.1	2.8	
Q4	1.0		1.1	-	-1.1	2.2	1.3	4.2	1.6	0.6	-0.2	0.3	-0.2	1.6	1.5	
2017 Q1	1.4		1.5	2.2	0.6	1.7	0.4	1.2	0.8	4.0	0.1	2.6	0.5	2.0	0.2	
Q2	0.6		0.7	1.7	3.1	2.1	1.2	3.3	4.2	-4.0	1.3	-	0.5	0.3	1.8	
Q3	0.3		0.6	1.2	-0.5	0.8	1.0	3.0	1.3	1.7	1.4	0.8	0.5	1.7	-3.7	
Q4	1.3		1.1	1.5	0.4	-	0.5	1.6	1.9	2.5	0.1	0.8	0.5	-	2.3	
2018 Q1	1.3		1.2	0.7	0.9	0.4	0.9	2.3	5.5	0.3	-0.8	0.5	0.6	0.3	4.3	
Q2	0.6		0.7	0.5	1.0	0.9	-0.4	1.4	0.2	0.7	1.2	0.6	0.5	0.5	2.4	
Percentage change, quarter on corresponding quarter of previous year																
	KG9		KG7C	KG9V	KG7F	KG9G	KG7H	KG7I	KG7J	KG7K	KG7L	KG7M	KG7N	KG7O	KG7P	KG7Q
2015 Q1	3.2		3.1	-1.2	-2.6	6.1	3.9	6.8	-1.9	-1.0	4.6	3.6	7.9	2.7	7.6	
Q2	3.1		3.0	0.3	-2.1	3.9	4.1	6.0	4.1	0.8	7.4	4.9	6.9	2.4	2.6	
Q3	3.0		2.7	-0.4	-2.6	6.2	4.5	4.5	8.1	0.9	6.3	3.4	6.0	4.4	-1.1	
Q4	3.6		3.5	0.7	-1.3	5.7	3.2	7.5	14.3	2.8	7.8	5.8	9.1	5.2	0.5	
2016 Q1	4.5		4.3	1.8	-0.8	4.8	3.4	7.8	16.0	6.2	7.7	7.1	8.3	4.3	1.3	
Q2	4.6		4.1	0.6	2.5	-0.3	3.4	10.2	10.2	3.9	6.9	7.5	7.5	5.6	3.4	
Q3	5.0		4.4	1.9	2.2	0.3	1.8	10.7	9.1	3.3	9.2	8.0	7.4	5.0	8.6	
Q4	5.0		4.5	1.2	0.4	2.2	4.4	11.2	4.0	2.9	5.8	6.3	1.7	5.4	6.8	
2017 Q1	5.1		5.0	3.2	1.1	4.5	2.5	9.6	2.9	6.5	3.7	7.1	1.3	7.2	6.9	
Q2	4.4		4.5	5.5	2.7	8.3	2.8	11.0	8.0	1.5	4.1	4.8	1.7	5.1	6.5	
Q3	3.4		4.0	5.1	2.1	6.9	4.1	12.2	8.1	2.2	2.6	3.7	1.3	5.8	-0.3	
Q4	3.6		3.9	6.7	3.6	4.6	3.3	9.4	8.4	4.1	2.9	4.3	2.1	4.1	0.5	
2018 Q1	3.6		3.6	5.2	3.8	3.2	3.7	10.6	13.5	0.4	1.9	2.1	2.1	2.3	4.6	
Q2	3.6		3.6	4.0	1.7	2.1	2.1	8.7	9.2	5.4	1.8	2.7	2.2	2.5	5.2	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

4 A potential improvement to our methodology for measuring for measuring the current price of cars within the transport COICOP has been identified during quality assurance. This will not impact HHFC in chained volume measures, nor headline GDP and only affects figures in the quarterly tail. We will implement the Quarterly National Accounts to be published in December 2018, the next time the 2017 onwards will be open for revision.

E2 Household final consumption expenditure (goods and services)

Current prices

£ million

UK NATIONAL ²								
COICOP ¹	UK DOMESTIC ³							
	Goods							Services S
	Total	Net tourism	Total	Total	Durable goods D	Semi- durable goods SD	Non- durable goods ND	
ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN	
2014	1 142 350	6 534	1 135 816	477 362	105 195	115 091	257 076	658 454
2015	1 178 915	8 142	1 170 773	485 138	112 074	120 697	252 367	685 635
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972
2017	1 285 949	11 170	1 274 779	534 088	135 061	132 358	266 669	740 691
Seasonally adjusted								
2015 Q1	290 220	2 190	288 030	119 520	26 850	29 264	63 406	168 510
Q2	293 370	1 807	291 563	121 055	27 670	29 937	63 448	170 508
Q3	296 059	1 987	294 072	122 391	28 402	30 463	63 526	171 681
Q4	299 266	2 158	297 108	122 172	29 152	31 033	61 987	174 936
2016 Q1	303 176	2 748	300 428	124 328	30 621	30 717	62 990	176 100
Q2	306 925	3 293	303 632	124 933	31 070	30 614	63 249	178 699
Q3	310 953	3 807	307 146	125 853	31 442	30 881	63 530	181 293
Q4	314 193	3 587	310 606	127 726	31 779	31 284	64 663	182 880
2017 Q1	318 499	3 198	315 301	131 269	33 599	32 379	65 291	184 032
Q2	320 447	3 076	317 371	131 925	32 741	32 938	66 246	185 446
Q3	321 477	2 166	319 311	134 307	34 011	33 327	66 969	185 004
Q4	325 526	2 730	322 796	136 587	34 710	33 714	68 163	186 209
2018 Q1	329 859	3 123	326 736	137 666	34 916	33 718	69 032	189 070
Q2	331 834	2 961	328 873	137 880	35 085	33 894	68 901	190 993
Percentage change, latest year on previous year								
	KG7Y		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9
2014	4.0		4.1	2.0	7.3	3.3	-0.5	5.7
2015	3.2		3.1	1.6	6.5	4.9	-1.8	4.1
2016	4.8		4.4	3.6	11.5	2.3	0.8	4.9
2017	4.1		4.3	6.2	8.1	7.2	4.8	3.0
Percentage change, quarter on previous quarter								
	KG78		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2015 Q1	0.4		0.4	-0.2	-0.5	0.7	-0.5	0.8
Q2	1.1		1.2	1.3	3.1	2.3	0.1	1.2
Q3	0.9		0.9	1.1	2.6	1.8	0.1	0.7
Q4	1.1		1.0	-0.2	2.6	1.9	-2.4	1.9
2016 Q1	1.3		1.1	1.8	5.0	-1.0	1.6	0.7
Q2	1.2		1.1	0.5	1.5	-0.3	0.4	1.5
Q3	1.3		1.2	0.7	1.2	0.9	0.4	1.5
Q4	1.0		1.1	1.5	1.1	1.3	1.8	0.9
2017 Q1	1.4		1.5	2.8	5.7	3.5	1.0	0.6
Q2	0.6		0.7	0.5	-2.6	1.7	1.5	0.8
Q3	0.3		0.6	1.8	3.9	1.2	1.1	-0.2
Q4	1.3		1.1	1.7	2.1	1.2	1.8	0.7
2018 Q1	1.3		1.2	0.8	0.6	-	1.3	1.5
Q2	0.6		0.7	0.2	0.5	0.5	-0.2	1.0
Percentage change, quarter on corresponding quarter of previous year								
	KG79		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2015 Q1	3.2		3.1	1.0	3.7	4.8	-1.8	4.6
Q2	3.1		3.0	1.7	6.6	3.4	-1.1	4.0
Q3	3.0		2.7	1.9	7.8	4.4	-1.7	3.3
Q4	3.6		3.5	2.0	8.0	6.8	-2.7	4.7
2016 Q1	4.5		4.3	4.0	14.0	5.0	-0.7	4.5
Q2	4.6		4.1	3.2	12.3	2.3	-0.3	4.8
Q3	5.0		4.4	2.8	10.7	1.4	-	5.6
Q4	5.0		4.5	4.5	9.0	0.8	4.3	4.5
2017 Q1	5.1		5.0	5.6	9.7	5.4	3.7	4.5
Q2	4.4		4.5	5.6	5.4	7.6	4.7	3.8
Q3	3.4		4.0	6.7	8.2	7.9	5.4	2.0
Q4	3.6		3.9	6.9	9.2	7.8	5.4	1.8
2018 Q1	3.6		3.6	4.9	3.9	4.1	5.7	2.7
Q2	3.6		3.6	4.5	7.2	2.9	4.0	3.0

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	
2014	1 165 059	6 635	1 158 342	92 768	44 020	61 944	322 414	51 282	19 408	153 924	21 841	106 347	22 474	112 061	150 508	
2015	1 196 525	11 989	1 184 499	95 127	42 670	65 136	326 862	54 448	20 217	158 270	22 948	111 773	22 238	113 453	151 587	
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940	
2017	1 258 913	9 664	1 249 249	101 514	40 831	68 240	334 604	64 365	23 414	165 188	24 364	122 734	22 053	119 078	162 864	
Seasonally adjusted																
2015 Q1	295 287	2 816	292 455	23 454	10 790	15 796	81 669	13 344	4 782	38 487	5 629	27 147	5 494	28 081	37 894	
Q2	297 798	2 641	295 146	23 663	10 651	16 265	81 895	13 425	4 979	39 415	5 717	27 806	5 542	28 172	37 681	
Q3	301 636	3 643	298 001	23 859	10 630	16 520	82 330	13 555	5 059	40 037	5 754	28 167	5 575	28 512	38 059	
Q4	301 804	2 889	298 897	24 151	10 599	16 555	80 968	14 124	5 397	40 331	5 848	28 653	5 627	28 688	37 953	
2016 Q1	305 101	3 191	301 900	24 491	10 425	16 397	82 354	14 412	5 507	40 857	5 956	29 155	5 680	28 603	38 067	
Q2	307 595	3 527	304 074	24 488	10 554	16 277	82 738	14 782	5 473	40 841	5 954	29 637	5 689	29 047	38 618	
Q3	311 268	3 919	307 367	24 930	10 406	16 597	82 078	15 110	5 569	41 383	6 049	30 070	5 691	29 191	40 286	
Q4	311 283	2 798	308 471	24 904	10 209	16 868	83 087	15 573	5 547	40 992	6 036	30 262	5 483	29 520	39 969	
2017 Q1	313 246	2 638	310 608	25 162	10 162	16 957	82 911	15 598	5 720	41 978	6 030	30 661	5 512	29 539	40 378	
Q2	314 160	2 684	311 476	25 307	10 327	17 054	83 540	16 009	5 800	40 466	6 102	30 592	5 539	29 627	41 113	
Q3	315 215	2 080	313 135	25 495	10 199	17 118	83 945	16 242	5 895	41 344	6 113	30 686	5 556	29 984	40 558	
Q4	316 292	2 262	314 030	25 550	10 143	17 111	84 208	16 516	5 999	41 400	6 119	30 795	5 446	29 928	40 815	
2018 Q1	317 896	2 747	315 149	25 628	10 042	17 047	84 763	16 754	6 148	41 268	6 135	30 723	5 478	29 469	41 694	
Q2	319 088	2 670	316 418	25 726	10 101	17 221	84 276	16 967	6 150	41 612	6 164	30 803	5 508	29 585	42 305	
Percentage change, latest year on previous year																
	KGZ5	KG7O	KG9Y	KGf6	KGg4	KGh2	KGh8	KGi9	KGj7	KGk5	KGl3	KGb8	KGd4	KGe8		
2014	2.1	1.9	1.4	-2.7	5.6	-0.4	4.2	1.4	4.1	-2.2	2.3	1.2	1.6	4.4		
2015	2.7	2.3	2.5	-3.1	5.2	1.4	6.2	4.2	2.8	5.1	5.1	-1.1	1.2	0.7		
2016	3.2	3.2	3.9	-2.5	1.5	1.0	10.0	9.3	3.7	4.6	6.6	1.4	2.6	3.5		
2017	1.9	2.2	2.7	-1.8	3.2	1.3	7.5	6.0	0.7	1.5	3.0	-2.2	2.3	3.8		
Percentage change, quarter on previous quarter																
	KGZ6	KG7R	KGA3	KGf7	KGg5	KGh3	KGh9	KGj2	KGj8	KGk6	KGl4	KGb9	KGd5	KGe9		
2015 Q1	0.6	0.4	0.4	-0.3	0.6	1.4	1.2	-	-1.5	1.2	0.8	1.7	0.7	-0.7		
Q2	0.9	0.9	0.9	-1.3	3.0	0.3	0.6	4.1	2.4	1.6	2.4	0.9	0.3	-0.6		
Q3	1.3	1.0	0.8	-0.2	1.6	0.5	1.0	1.6	1.6	0.6	1.3	0.6	1.2	1.0		
Q4	0.1	0.3	1.2	-0.3	0.2	-1.7	4.2	6.7	0.7	1.6	1.7	0.9	0.6	-0.3		
2016 Q1	1.1	1.0	1.4	-1.6	-1.0	1.7	2.0	2.0	1.3	1.8	1.8	0.9	-0.3	0.3		
Q2	0.8	0.7	-	1.2	-0.7	0.5	2.6	-0.6	-	-	1.7	0.2	1.6	1.4		
Q3	1.2	1.1	1.8	-1.4	2.0	-0.8	2.2	1.8	1.3	1.6	1.5	-	0.5	4.3		
Q4	-	0.4	-0.1	-1.9	1.6	1.2	3.1	-0.4	-0.9	-0.2	0.6	-3.7	1.1	-0.8		
2017 Q1	0.6	0.7	1.0	-0.5	0.5	-0.2	0.2	3.1	2.4	-0.1	1.3	0.5	0.1	1.0		
Q2	0.3	0.3	0.6	1.6	0.6	0.8	2.6	1.4	-3.6	1.2	-0.2	0.5	0.3	1.8		
Q3	0.3	0.5	0.7	-1.2	0.4	0.5	1.5	1.6	2.2	0.2	0.3	0.3	1.2	-1.3		
Q4	0.3	0.3	0.2	-0.5	-	0.3	1.7	1.8	0.1	0.1	0.4	-2.0	-0.2	0.6		
2018 Q1	0.5	0.4	0.3	-1.0	-0.4	0.7	1.4	2.5	-0.3	0.3	-0.2	0.6	-1.5	2.2		
Q2	0.4	0.4	0.4	0.6	1.0	-0.6	1.3	-	0.8	0.5	0.3	0.5	0.4	1.5		
Percentage change, quarter on corresponding quarter of previous year																
	KGZ7	KG7U	KGA6	KGf8	KGg6	KGh4	KGi2	KGj3	KGj9	KGk7	KGl5	KGc2	KGd6	KGf2		
2015 Q1	2.3	2.0	1.8	-3.5	5.3	1.4	6.3	-3.9	1.7	4.1	3.5	-1.9	-	3.6		
Q2	2.7	2.3	2.8	-3.1	4.3	1.7	6.5	2.1	2.9	6.2	5.8	-2.8	-0.1	1.3		
Q3	3.0	2.2	2.2	-3.5	5.6	2.0	4.8	5.9	3.4	4.9	4.7	-3.4	2.1	-1.4		
Q4	2.8	2.6	3.4	-2.1	5.4	0.5	7.1	12.8	3.2	5.1	6.4	4.2	2.9	-0.5		
2016 Q1	3.3	3.2	4.4	-3.4	3.8	0.8	8.0	15.2	6.2	5.8	7.4	3.4	1.9	0.5		
Q2	3.3	3.0	3.5	-0.9	0.1	1.0	10.1	9.9	3.6	4.1	6.6	2.7	3.1	2.5		
Q3	3.2	3.1	4.5	-2.1	0.5	-0.3	11.5	10.1	3.4	5.1	6.8	2.1	2.4	5.9		
Q4	3.1	3.2	3.1	-3.7	1.9	2.6	10.3	2.8	1.6	3.2	5.6	-2.6	2.9	5.3		
2017 Q1	2.7	2.9	2.7	-2.5	3.4	0.7	8.2	3.9	2.7	1.2	5.2	-3.0	3.3	6.1		
Q2	2.1	2.4	3.3	-2.2	4.8	1.0	8.3	6.0	-0.9	2.5	3.2	-2.6	2.0	6.5		
Q3	1.3	1.9	2.3	-2.0	3.1	2.3	7.5	5.9	-0.1	1.1	2.0	-2.4	2.7	0.7		
Q4	1.6	1.8	2.6	-0.6	1.4	1.3	6.1	8.1	1.0	1.4	1.8	-0.7	1.4	2.1		
2018 Q1	1.5	1.5	1.9	-1.2	0.5	2.2	7.4	7.5	-1.7	1.7	0.2	-0.6	-0.2	3.3		
Q2	1.6	1.6	1.7	-2.2	1.0	0.9	6.0	6.0	2.8	1.0	0.7	-0.6	-0.1	2.9		

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

Reference year 2016, £ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Total	Net tourism	Total	Goods				
				Total	Durable goods	Semi- durable goods	Non- durable goods	Services
				D	SD	ND	S	
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2014	1 165 059	6 635	1 158 342	465 187	103 764	114 501	246 665	693 832
2015	1 196 525	11 989	1 184 499	482 224	112 256	120 349	249 537	702 436
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972
2017	1 258 913	9 664	1 249 249	519 651	130 631	129 566	259 454	729 598
Seasonally adjusted								
2015 Q1	295 287	2 816	292 455	118 465	26 894	29 200	62 326	174 067
Q2	297 798	2 641	295 146	120 115	27 825	29 880	62 388	175 070
Q3	301 636	3 643	298 001	121 689	28 450	30 388	62 833	176 325
Q4	301 804	2 889	298 897	121 955	29 087	30 881	61 990	176 974
2016 Q1	305 101	3 191	301 900	124 271	30 355	30 579	63 334	177 633
Q2	307 595	3 527	304 074	125 108	31 045	30 638	63 420	178 972
Q3	311 268	3 919	307 367	126 036	31 612	30 982	63 444	181 345
Q4	311 283	2 798	308 471	127 425	31 900	31 297	64 234	181 022
2017 Q1	313 246	2 638	310 608	128 911	32 938	31 941	64 032	181 697
Q2	314 160	2 684	311 476	128 816	31 693	32 358	64 765	182 660
Q3	315 215	2 080	313 135	130 376	32 739	32 545	65 092	182 759
Q4	316 292	2 262	314 030	131 548	33 261	32 722	65 565	182 482
2018 Q1	317 896	2 747	315 149	131 565	33 323	32 612	65 630	183 584
Q2	319 088	2 670	316 418	131 714	33 598	32 808	65 308	184 704
Percentage change, year on previous year								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2014	2.1		1.9	1.7	7.1	2.8	-0.9	2.0
2015	2.7		2.3	3.7	8.2	5.1	1.2	1.2
2016	3.2		3.2	4.3	11.3	2.6	2.0	2.4
2017	1.9		2.2	3.3	4.6	4.9	2.0	1.5
Percentage change, quarter on previous quarter								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2015 Q1	0.6		0.4	0.8	0.3	1.0	0.8	0.1
Q2	0.9		0.9	1.4	3.5	2.3	0.1	0.6
Q3	1.3		1.0	1.3	2.2	1.7	0.7	0.7
Q4	0.1		0.3	0.2	2.2	1.6	-1.3	0.4
2016 Q1	1.1		1.0	1.9	4.4	-1.0	2.2	0.4
Q2	0.8		0.7	0.7	2.3	0.2	0.1	0.8
Q3	1.2		1.1	0.7	1.8	1.1	-	1.3
Q4	-		0.4	1.1	0.9	1.0	1.2	-0.2
2017 Q1	0.6		0.7	1.2	3.3	2.1	-0.3	0.4
Q2	0.3		0.3	-0.1	-3.8	1.3	1.1	0.5
Q3	0.3		0.5	1.2	3.3	0.6	0.5	0.1
Q4	0.3		0.3	0.9	1.6	0.5	0.7	-0.2
2018 Q1	0.5		0.4	-	0.2	-0.3	0.1	0.6
Q2	0.4		0.4	0.1	0.8	0.6	-0.5	0.6
Percentage change, quarter on corresponding quarter of previous year								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2015 Q1	2.3		2.0	3.1	6.3	4.3	1.3	1.1
Q2	2.7		2.3	3.8	8.8	4.4	1.6	1.2
Q3	3.0		2.2	4.0	9.2	4.9	1.5	0.8
Q4	2.8		2.6	3.7	8.4	6.8	0.3	1.8
2016 Q1	3.3		3.2	4.9	12.9	4.7	1.6	2.0
Q2	3.3		3.0	4.2	11.6	2.5	1.7	2.2
Q3	3.2		3.1	3.6	11.1	2.0	1.0	2.8
Q4	3.1		3.2	4.5	9.7	1.3	3.6	2.3
2017 Q1	2.7		2.9	3.7	8.5	4.5	1.1	2.3
Q2	2.1		2.4	3.0	2.1	5.6	2.1	2.1
Q3	1.3		1.9	3.4	3.6	5.0	2.6	0.8
Q4	1.6		1.8	3.2	4.3	4.6	2.1	0.8
2018 Q1	1.5		1.5	2.1	1.2	2.1	2.5	1.0
Q2	1.6		1.6	2.2	6.0	1.4	0.8	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.

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 ³	Costs of transfer of ownership of non-produced assets	Dwellings ³	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	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	
2014	175 594	50 796	8 297	656	55 347	15 058	305 747	16 449	62 461	63 643	102 630	60 565	305 747	
2015	184 620	50 998	8 128	687	59 817	15 181	319 432	22 382	62 290	67 946	107 618	59 195	319 432	
2016	187 032	52 100	8 403	726	66 169	17 013	331 442	25 856	61 628	74 573	108 718	60 669	331 442	
2017	195 296	54 030	8 572	774	73 874	18 143	350 689	22 757	66 118	82 447	116 512	62 855	350 689	

Seasonally adjusted

2015 Q1	46 422	13 342	2 204	179	14 085	3 377	79 609	6 676	15 363	16 289	26 885	14 396	79 609	
Q2	46 328	13 002	1 880	155	15 152	3 761	80 279	5 489	15 660	17 033	27 067	15 030	80 279	
Q3	45 461	12 360	2 055	177	15 047	3 934	79 035	4 866	15 397	17 103	26 769	14 901	79 035	
Q4	46 409	12 294	1 989	176	15 533	4 109	80 509	5 351	15 870	17 521	26 897	14 868	80 509	
2016 Q1	45 850	12 128	2 046	150	15 969	4 525	80 667	6 286	14 902	18 015	26 514	14 950	80 667	
Q2	46 690	13 111	2 104	229	16 209	4 091	82 434	6 347	15 804	18 313	26 820	15 150	82 434	
Q3	47 583	13 460	2 115	168	16 623	4 045	83 994	7 169	15 346	18 738	27 534	15 208	83 994	
Q4	46 909	13 401	2 138	179	17 368	4 352	84 347	6 054	15 576	19 507	27 850	15 361	84 347	
2017 Q1	47 222	13 400	2 169	165	18 011	4 512	85 479	5 859	15 443	20 180	28 857	15 140	85 479	
Q2	48 744	13 614	2 352	226	18 024	4 459	87 419	6 117	16 690	20 377	28 704	15 531	87 419	
Q3	49 417	13 461	2 230	194	18 380	4 615	88 297	5 643	16 680	20 610	29 488	15 876	88 297	
Q4	49 913	13 555	1 821	189	19 459	4 557	89 494	5 138	17 305	21 280	29 463	16 308	89 494	
2018 Q1	49 823	13 199	1 543	171	19 886	4 508	89 130	5 778	16 569	21 428	28 748	16 607	89 130	
Q2	49 450	13 247	1 013	214	20 517	4 330	88 771	5 146	16 321	21 530	28 766	17 008	88 771	

Percentage change, latest year on previous year

	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2014	5.9	11.3	17.9	25.7	12.1	16.4	8.6	40.4	9.9	12.8	6.4	0.9	8.6	
2015	5.1	0.4	-2.0	4.7	8.1	0.8	4.5	36.1	-0.3	6.8	4.9	-2.3	4.5	
2016	1.3	2.2	3.4	5.7	10.6	12.1	3.8	15.5	-1.1	9.8	1.0	2.5	3.8	
2017	4.4	3.7	2.0	6.6	11.6	6.6	5.8	-12.0	7.3	10.6	7.2	3.6	5.8	

Percentage change, latest quarter on previous quarter

	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2015 Q1	4.0	2.5	-0.5	7.2	0.3	-9.9	2.3	56.2	-3.5	0.2	3.2	-6.1	2.3	
Q2	-0.2	-2.5	-14.7	-13.4	7.6	11.4	0.8	-17.8	1.9	4.6	0.7	4.4	0.8	
Q3	-1.9	-4.9	9.3	14.2	-0.7	4.6	-1.5	-11.3	-1.7	0.4	-1.1	-0.9	-1.5	
Q4	2.1	-0.5	-3.2	-0.6	3.2	4.4	1.9	10.0	3.1	2.4	0.5	-0.2	1.9	
2016 Q1	-1.2	-1.4	2.9	-14.8	2.8	10.1	0.2	17.5	-6.1	2.8	-1.4	0.6	0.2	
Q2	1.8	8.1	2.8	52.7	1.5	-9.6	2.2	1.0	6.1	1.7	1.2	1.3	2.2	
Q3	1.9	2.7	0.5	-26.6	2.6	-1.1	1.9	13.0	-2.9	2.3	2.7	0.4	1.9	
Q4	-1.4	-0.4	1.1	6.5	4.5	7.6	0.4	-15.6	1.5	4.1	1.1	1.0	0.4	
2017 Q1	0.7	-	1.4	-7.8	3.7	3.7	1.3	-3.2	-0.9	3.5	3.6	-1.4	1.3	
Q2	3.2	1.6	8.4	37.0	0.1	-1.2	2.3	4.4	8.1	1.0	-0.5	2.6	2.3	
Q3	1.4	-1.1	-5.2	-14.2	2.0	3.5	1.0	-7.7	-0.1	1.1	2.7	2.2	1.0	
Q4	1.0	0.7	-18.3	-2.6	5.9	-1.3	1.4	-8.9	3.7	3.3	-0.1	2.7	1.4	
2018 Q1	-0.2	-2.6	-15.3	-9.5	2.2	-1.1	-0.4	12.5	-4.3	0.7	-2.4	1.8	-0.4	
Q2	-0.7	0.4	-34.3	25.1	3.2	-3.9	-0.4	-10.9	-1.5	0.5	0.1	2.4	-0.4	

Percentage change, latest quarter on corresponding quarter of previous year

	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2015 Q1	8.0	-1.4	20.1	13.3	3.2	-2.1	5.3	85.6	0.4	5.2	3.8	-6.0	5.3	
Q2	5.5	10.3	-9.4	-3.7	12.0	-4.7	6.4	30.2	1.6	9.1	7.3	0.4	6.4	
Q3	3.2	-0.8	-5.4	4.1	6.6	0.5	2.8	11.6	-2.8	5.0	5.2	-0.3	2.8	
Q4	4.0	-5.5	-10.2	5.4	10.6	9.6	3.4	25.2	-0.3	7.8	3.2	-3.0	3.4	
2016 Q1	-1.2	-9.1	-7.2	-16.2	13.4	34.0	1.3	-5.8	-3.0	10.6	-1.4	3.8	1.3	
Q2	0.8	0.8	11.9	47.7	7.0	8.8	2.7	15.6	0.9	7.5	-0.9	0.8	2.7	
Q3	4.7	8.9	2.9	-5.1	10.5	2.8	6.3	47.3	-0.3	9.6	2.9	2.1	6.3	
Q4	1.1	9.0	7.5	1.7	11.8	5.9	4.8	13.1	-1.9	11.3	3.5	3.3	4.8	
2017 Q1	3.0	10.5	6.0	10.0	12.8	-0.3	6.0	-6.8	3.6	12.0	8.8	1.3	6.0	
Q2	4.4	3.8	11.8	-1.3	11.2	9.0	6.0	-3.6	5.6	11.3	7.0	2.5	6.0	
Q3	3.9	-	5.4	15.5	10.6	14.1	5.1	-21.3	8.7	10.0	7.1	4.4	5.1	
Q4	6.4	1.1	-14.8	5.6	12.0	4.7	6.1	-15.1	11.1	9.1	5.8	6.2	6.1	
2018 Q1	5.5	-1.5	-28.9	3.6	10.4	-0.1	4.3	-1.4	7.3	6.2	-0.4	9.7	4.3	
Q2	1.4	-2.7	-56.9	-5.3	13.8	-2.9	1.5	-15.9	-2.2	5.7	0.2	9.5	1.5	

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 ³	Costs of transfer of ownership of non-produced assets	Dwellings ³	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	Other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property	Total		
2014	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2015	180 608	51 999	8 424	671	56 287	15 416	313 472	15 894	66 763	64 712	104 825	62 036	313 472	
2016	187 355	51 660	8 241	694	60 677	15 347	324 016	21 785	64 208	68 917	109 223	60 130	324 016	
2017	187 031	52 100	8 404	726	66 170	17 013	331 442	25 854	61 628	74 572	108 718	60 669	331 442	
	190 313	52 990	8 356	766	71 944	17 982	342 351	23 279	61 904	80 301	114 451	62 416	342 351	

Seasonally adjusted

2015 Q1	47 195	13 411	2 242	182	14 333	3 428 80 808	6 356	15 920	16 576	27 274	14 682	80 808	
Q2	47 152	13 297	1 911	157	15 422	3 813 81 764	5 474	16 076	17 332	27 670	15 273	81 764	
Q3	45 985	12 562	2 080	178	15 235	3 966 80 017	4 770	15 768	17 315	27 144	15 112	80 017	
Q4	47 023	12 390	2 008	177	15 687	4 140 81 427	5 185	16 444	17 694	27 135	15 063	81 427	
2016 Q1	46 221	12 243	2 062	150	16 191	4 543 81 415	6 230	15 135	18 253	26 771	15 042	81 415	
Q2	46 622	13 277	2 110	229	16 369	4 095 82 695	6 272	15 744	18 478	27 040	15 176	82 695	
Q3	47 330	13 605	2 109	168	16 674	4 024 83 909	7 151	15 167	18 783	27 600	15 174	83 909	
Q4	46 858	12 975	2 123	179	16 936	4 351 83 423	6 201	15 582	19 058	27 307	15 277	83 423	
2017 Q1	46 756	12 911	2 135	165	17 724	4 526 84 217	6 177	14 778	19 860	28 291	15 111	84 217	
Q2	47 593	13 548	2 301	225	17 646	4 437 85 750	6 297	15 679	19 947	28 409	15 418	85 750	
Q3	47 857	13 301	2 167	191	17 855	4 541 85 912	5 712	15 510	20 022	28 934	15 734	85 912	
Q4	48 107	13 230	1 753	185	18 719	4 478 86 472	5 093	15 937	20 472	28 817	16 153	86 472	
2018 Q1	47 846	12 710	1 475	167	19 007	4 420 85 625	5 664	15 398	20 482	27 765	16 316	85 625	
Q2	47 507	12 873	960	208	19 471	4 205 85 224	4 941	15 432	20 431	27 722	16 698	85 224	

Percentage change, latest year on previous year

	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N
2014	5.2	8.7	15.5	24.0	8.7	14.9	7.2	45.3	10.6	9.5	3.4	0.5	7.2
2015	3.7	-0.7	-2.2	3.4	7.8	-0.4	3.4	37.1	-3.8	6.5	4.2	-3.1	3.4
2016	-0.2	0.9	2.0	4.6	9.1	10.9	2.3	18.7	-4.0	8.2	-0.5	0.9	2.3
2017	1.8	1.7	-0.6	5.5	8.7	5.7	3.3	-10.0	0.4	7.7	5.3	2.9	3.3

Percentage change, latest quarter on previous quarter

	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q
2015 Q1	3.3	1.6	-0.2	6.4	0.5	-10.4	1.7	50.6	-4.3	0.4	2.8	-6.5	1.7
Q2	-0.1	-0.9	-14.8	-13.7	7.6	11.2	1.2	-13.9	1.0	4.6	1.5	4.0	1.2
Q3	-2.5	-5.5	8.8	13.4	-1.2	4.0	-2.1	-12.9	-1.9	-0.1	-1.9	-1.1	-2.1
Q4	2.3	-1.4	-3.5	-0.6	3.0	4.4	1.8	8.7	4.3	2.2	-	-0.3	1.8
2016 Q1	-1.7	-1.2	2.7	-15.3	3.2	9.7	-	20.2	-8.0	3.2	-1.3	-0.1	-
Q2	0.9	8.4	2.3	52.7	1.1	-9.9	1.6	0.7	4.0	1.2	1.0	0.9	1.6
Q3	1.5	2.5	-	-26.6	1.9	-1.7	1.5	14.0	-3.7	1.7	2.1	-	1.5
Q4	-1.0	-4.6	0.7	6.5	1.6	8.1	-0.6	-13.3	2.7	1.5	-1.1	0.7	-0.6
2017 Q1	-0.2	-0.5	0.6	-7.8	4.7	4.0	1.0	-0.4	-5.2	4.2	3.6	-1.1	1.0
Q2	1.8	4.9	7.8	36.4	-0.4	-2.0	1.8	1.9	6.1	0.4	0.4	2.0	1.8
Q3	0.6	-1.8	-5.8	-15.1	1.2	2.3	0.2	-9.3	-1.1	0.4	1.8	2.0	0.2
Q4	0.5	-0.5	-19.1	-3.1	4.8	-1.4	0.7	-10.8	2.8	2.2	-0.4	2.7	0.7
2018 Q1	-0.5	-3.9	-15.9	-9.7	1.5	-1.3	-1.0	11.2	-3.4	-	-3.7	1.0	-1.0
Q2	-0.7	1.3	-34.9	24.6	2.4	-4.9	-0.5	-12.8	0.2	-0.2	-0.2	2.3	-0.5

Percentage change, latest quarter on corresponding quarter of previous year

	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T
2015 Q1	7.0	-3.0	20.2	12.3	2.9	-3.2	4.4	88.8	-3.2	5.0	3.4	-6.4	4.4
Q2	4.0	9.1	-9.2	-4.8	12.2	-5.8	5.3	34.8	-3.7	9.4	6.8	-0.3	5.3
Q3	1.2	-1.8	-5.8	2.9	6.2	-0.9	1.3	12.3	-7.2	4.6	4.3	-1.4	1.3
Q4	2.9	-6.2	-10.6	3.5	10.0	8.3	2.5	22.8	-1.1	7.1	2.3	-4.0	2.5
2016 Q1	-2.1	-8.7	-8.0	-17.6	13.0	32.5	0.8	-2.0	-4.9	10.1	-1.8	2.5	0.8
Q2	-1.1	-0.2	10.4	45.9	6.1	7.4	1.1	14.6	-2.1	6.6	-2.3	-0.6	1.1
Q3	2.9	8.3	1.4	-5.6	9.4	1.5	4.9	49.9	-3.8	8.5	1.7	0.4	4.9
Q4	-0.4	4.7	5.7	1.1	8.0	5.1	2.5	19.6	-5.2	7.7	0.6	1.4	2.5
2017 Q1	1.2	5.5	3.5	10.0	9.5	-0.4	3.4	-0.9	-2.4	8.8	5.7	0.5	3.4
Q2	2.1	2.0	9.1	-1.7	7.8	8.4	3.7	0.4	-0.4	7.9	5.1	1.6	3.7
Q3	1.1	-2.2	2.8	13.7	7.1	12.8	2.4	-20.1	2.3	6.6	4.8	3.7	2.4
Q4	2.7	2.0	-17.4	3.4	10.5	2.9	3.7	-17.9	2.3	7.4	5.5	5.7	3.7
2018 Q1	2.3	-1.6	-30.9	1.2	7.2	-2.3	1.7	-8.3	4.2	3.1	-1.9	8.0	1.7
Q2	-0.2	-5.0	-58.3	-7.6	10.3	-5.2	-0.6	-21.5	-1.6	2.4	-2.4	8.3	-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.

G Changes in inventories 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-December⁴ 2016	2 407	19 622	18 556	19 987	58 165	4 132	40 109	40 091	83 397	228 301
	FAEA	FBNF	FBNG	FBNH	DHBM	FAEB	FAJX	FBYN	DLWX	CAFU
2014	1 562	-71	1 208	1 521	2 657	-611	2 458	2 782	5 259	14 477
2015	1 510	1 581	705	815	3 101	-446	3 496	2 556	1 317	11 146
2016	-68	-1 071	732	-75	-414	109	483	-915	9 361	8 556
2017	-427	26	1 334	1 258	2 618	-201	506	-1 581	-1 747	-832
Seasonally adjusted										
2015 Q1	280	399	166	1 906	2 471	-197	2 181	2 296	-5 900	1 011
Q2	-145	1 187	-53	-457	678	-330	-1 556	522	4 015	3 154
Q3	884	-13	544	-62	468	-144	1 957	673	487	4 199
Q4	491	8	48	-572	-516	225	914	-935	2 715	2 782
2016 Q1	277	-189	86	82	-22	66	1 015	-765	1 373	1 881
Q2	-149	-528	-237	-418	-1 182	-103	71	87	1 479	347
Q3	272	-52	-22	137	62	-206	-489	-1 103	2 805	1 173
Q4	-468	-302	905	124	728	352	-114	866	3 704	5 155
2017 Q1	326	922	530	-713	739	424	892	-733	1 046	2 694
Q2	692	-266	641	468	843	-567	194	-60	-840	262
Q3	-660	-507	478	733	704	-26	-1 055	-276	424	-889
Q4	-785	-123	-315	770	332	-32	475	-512	-2 377	-2 899
2018 Q1	-226	674	-335	407	746	-271	3 047	537	-6 198	-2 365
Q2	-421	-499	-249	-1 055	-1 803	-328	-986	-489	5 222	1 195

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

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

H1 Exports and imports of goods and services

Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2014	293 116	227 176	520 292	415 187	134 780	549 967	-122 071	92 396	-29 675
2015	286 752	232 858	519 610	404 562	142 032	546 594	-117 810	90 826	-26 984
2016	299 073	257 888	556 961	431 725	156 123	587 848	-132 652	101 765	-30 887
2017	338 739	279 024	617 763	475 774	164 729	640 503	-137 035	114 295	-22 740
Seasonally adjusted									
2015 Q1	71 714	58 531	130 245	105 218	34 476	139 694	-33 504	24 055	-9 449
Q2	73 675	57 357	131 032	100 479	35 526	136 005	-26 804	21 831	-4 973
Q3	70 559	57 336	127 895	98 591	35 573	134 164	-28 032	21 763	-6 269
Q4	70 804	59 634	130 438	100 274	36 457	136 731	-29 470	23 177	-6 293
2016 Q1	70 403	60 998	131 401	101 443	36 659	138 102	-31 040	24 339	-6 701
Q2	73 778	62 266	136 044	104 321	37 941	142 262	-30 543	24 325	-6 218
Q3	74 148	64 314	138 462	112 681	39 521	152 202	-38 533	24 793	-13 740
Q4	80 744	70 310	151 054	113 280	42 002	155 282	-32 536	28 308	-4 228
2017 Q1	83 084	67 623	150 707	117 172	40 757	157 929	-34 088	26 866	-7 222
Q2	84 249	67 897	152 146	118 505	40 669	159 174	-34 256	27 228	-7 028
Q3	86 032	70 304	156 336	119 844	41 444	161 288	-33 812	28 860	-4 952
Q4	85 374	73 200	158 574	120 253	41 859	162 112	-34 879	31 341	-3 538
2018 Q1	86 160	71 598	157 758	118 208	42 822	161 030	-32 048	28 776	-3 272
Q2	85 884	71 658	157 542	120 615	43 033	163 648	-34 731	28 625	-6 106
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2014	-2.4	1.8	-0.6	-1.0	1.2	-0.5			
2015	-2.2	2.5	-0.1	-2.6	5.4	-0.6			
2016	4.3	10.7	7.2	6.7	9.9	7.5			
2017	13.3	8.2	10.9	10.2	5.5	9.0			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2015 Q1	-2.4	0.4	-1.2	-2.0	2.7	-0.9			
Q2	2.7	-2.0	0.6	-4.5	3.0	-2.6			
Q3	-4.2	-	-2.4	-1.9	0.1	-1.4			
Q4	0.3	4.0	2.0	1.7	2.5	1.9			
2016 Q1	-0.6	2.3	0.7	1.2	0.6	1.0			
Q2	4.8	2.1	3.5	2.8	3.5	3.0			
Q3	0.5	3.3	1.8	8.0	4.2	7.0			
Q4	8.9	9.3	9.1	0.5	6.3	2.0			
2017 Q1	2.9	-3.8	-0.2	3.4	-3.0	1.7			
Q2	1.4	0.4	1.0	1.1	-0.2	0.8			
Q3	2.1	3.5	2.8	1.1	1.9	1.3			
Q4	-0.8	4.1	1.4	0.3	1.0	0.5			
2018 Q1	0.9	-2.2	-0.5	-1.7	2.3	-0.7			
Q2	-0.3	0.1	-0.1	2.0	0.5	1.6			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2015 Q1	-2.4	6.0	1.2	3.1	0.2	2.4			
Q2	-0.2	-0.1	-0.1	-2.3	6.5	-0.1			
Q3	-2.5	1.9	-0.6	-4.2	6.3	-1.7			
Q4	-3.7	2.3	-1.0	-6.6	8.6	-3.0			
2016 Q1	-1.8	4.2	0.9	-3.6	6.3	-1.1			
Q2	0.1	8.6	3.8	3.8	6.8	4.6			
Q3	5.1	12.2	8.3	14.3	11.1	13.4			
Q4	14.0	17.9	15.8	13.0	15.2	13.6			
2017 Q1	18.0	10.9	14.7	15.5	11.2	14.4			
Q2	14.2	9.0	11.8	13.6	7.2	11.9			
Q3	16.0	9.3	12.9	6.4	4.9	6.0			
Q4	5.7	4.1	5.0	6.2	-0.3	4.4			
2018 Q1	3.7	5.9	4.7	0.9	5.1	2.0			
Q2	1.9	5.5	3.5	1.8	5.8	2.8			

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
2014	284 057	244 347	527 797	398 337	140 870	539 475	-11 678
2015	302 991	248 177	551 228	415 878	153 347	569 120	-17 892
2016	299 073	257 888	556 961	431 725	156 123	587 848	-30 887
2017	319 032	269 657	588 689	449 707	156 849	606 556	-17 867
Seasonally adjusted							
2015 Q1	74 162	62 798	136 932	106 418	36 824	143 349	-6 417
Q2	76 669	61 258	138 061	102 034	38 422	140 387	-2 326
Q3	75 641	61 062	136 744	102 319	38 547	140 793	-4 049
Q4	76 519	63 059	139 491	105 107	39 554	144 591	-5 100
2016 Q1 ²	74 823	63 507	138 252	105 537	38 438	143 976	-5 724
Q2 ²	75 463	64 171	139 554	106 066	38 837	144 900	-5 346
Q3 ²	72 300	62 781	135 108	110 687	38 673	149 364	-14 256
Q4 ²	76 487	67 429	144 047	109 435	40 175	149 608	-5 561
2017 Q1	77 989	65 546	143 535	111 264	38 794	150 058	-6 523
Q2	79 725	65 408	145 133	112 433	38 681	151 114	-5 981
Q3	81 759	67 490	149 249	113 287	39 492	152 779	-3 530
Q4	79 559	71 213	150 772	112 723	39 882	152 605	-1 833
2018 Q1	80 512	69 127	149 639	111 604	40 588	152 192	-2 553
Q2	78 454	67 845	146 299	111 523	40 435	151 958	-5 659
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2014	2.6	1.9	2.3	3.6	4.5	3.8	
2015	6.7	1.6	4.4	4.4	8.9	5.5	
2016	-1.3	3.9	1.0	3.8	1.8	3.3	
2017	6.7	4.6	5.7	4.2	0.5	3.2	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2015 Q1	1.7	0.4	1.2	1.6	3.8	2.2	
Q2	3.4	-2.5	0.8	-4.1	4.3	-2.1	
Q3	-1.3	-0.3	-1.0	0.3	0.3	0.3	
Q4	1.2	3.3	2.0	2.7	2.6	2.7	
2016 Q1	-2.2	0.7	-0.9	0.4	-2.8	-0.4	
Q2	0.9	1.0	0.9	0.5	1.0	0.6	
Q3	-4.2	-2.2	-3.2	4.4	-0.4	3.1	
Q4	5.8	7.4	6.6	-1.1	3.9	0.2	
2017 Q1	2.0	-2.8	-0.4	1.7	-3.4	0.3	
Q2	2.2	-0.2	1.1	1.1	-0.3	0.7	
Q3	2.6	3.2	2.8	0.8	2.1	1.1	
Q4	-2.7	5.5	1.0	-0.5	1.0	-0.1	
2018 Q1	1.2	-2.9	-0.8	-1.0	1.8	-0.3	
Q2	-2.6	-1.9	-2.2	-0.1	-0.4	-0.2	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2015 Q1	5.9	5.2	5.7	10.1	3.3	8.3	
Q2	8.3	-1.0	4.2	4.1	11.2	5.9	
Q3	7.6	1.4	4.8	3.4	9.5	4.9	
Q4	5.0	0.8	3.1	0.4	11.5	3.0	
2016 Q1	0.9	1.1	1.0	-0.8	4.4	0.4	
Q2	-1.6	4.8	1.1	4.0	1.1	3.2	
Q3	-4.4	2.8	-1.2	8.2	0.3	6.1	
Q4	-	6.9	3.3	4.1	1.6	3.5	
2017 Q1	4.2	3.2	3.8	5.4	0.9	4.2	
Q2	5.6	1.9	4.0	6.0	-0.4	4.3	
Q3	13.1	7.5	10.5	2.3	2.1	2.3	
Q4	4.0	5.6	4.7	3.0	-0.7	2.0	
2018 Q1	3.2	5.5	4.3	0.3	4.6	1.4	
Q2	-1.6	3.7	0.8	-0.8	4.5	0.6	

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
2014	1 680 700	1 645 955	1 645 955	–	93.7	93.7	95.7	95.7	95.7
2015	1 723 523	1 692 039	1 692 039	–	96.4	96.4	98.1	98.1	98.1
2016	1 756 045	1 756 045	1 756 045	–	100.0	100.0	100.0	100.0	100.0
2017	1 794 190	1 827 048	1 814 491	12 557	104.0	103.3	102.2	101.5	102.3
Seasonally adjusted									
2015 Q1	427 535	417 518	417 518	–	95.1	95.1	97.4	97.4	97.4
Q2	430 425	424 503	424 503	–	96.7	96.7	98.0	98.0	98.0
Q3	431 718	423 920	423 920	–	96.6	96.6	98.3	98.3	98.3
Q4	433 845	426 098	426 098	–	97.1	97.1	98.8	98.8	98.8
2016 Q1	435 169	432 659	432 659	–	98.6	98.6	99.1	99.1	99.1
Q2	437 116	436 513	436 513	–	99.4	99.4	99.6	99.6	99.6
Q3	439 892	440 577	440 577	–	100.4	100.4	100.2	100.2	100.2
Q4	443 868	446 296	446 296	–	101.7	101.7	101.1	101.1	101.1
2017 Q1	446 030	451 289	449 669	1 620	102.8	102.4	101.6	101.2	101.7
Q2	447 465	454 415	451 731	2 684	103.5	102.9	101.9	101.3	102.1
Q3	449 412	457 591	453 802	3 789	104.2	103.4	102.4	101.5	102.5
Q4	451 283	463 753	459 289	4 464	105.6	104.6	102.8	101.8	102.9
2018 Q1	451 560	466 766	462 272	4 494	106.3	105.3	102.9	101.9	103.0
Q2	453 130	468 861	464 786	4 075	106.8	105.9	103.2	102.3	103.5
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2014	3.4	4.6	4.6		4.6	4.6	3.4	3.4	3.4
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.9	3.8	3.8		3.8	3.8	1.9	1.9	1.9
2017	2.2	4.0	3.3		4.0	3.3	2.2	1.5	2.3
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2015 Q1	0.3	0.7	0.7		0.7	0.7	0.3	0.3	0.3
Q2	0.7	1.7	1.7		1.7	1.7	0.7	0.7	0.7
Q3	0.3	–0.1	–0.1		–0.1	–0.1	0.3	0.3	0.3
Q4	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5
2016 Q1	0.3	1.5	1.5		1.5	1.5	0.3	0.3	0.3
Q2	0.4	0.9	0.9		0.9	0.9	0.4	0.4	0.4
Q3	0.6	0.9	0.9		0.9	0.9	0.6	0.6	0.6
Q4	0.9	1.3	1.3		1.3	1.3	0.9	0.9	0.9
2017 Q1	0.5	1.1	0.8		1.1	0.8	0.5	0.1	0.6
Q2	0.3	0.7	0.5		0.7	0.5	0.3	0.1	0.3
Q3	0.4	0.7	0.5		0.7	0.5	0.4	0.2	0.4
Q4	0.4	1.3	1.2		1.3	1.2	0.4	0.3	0.4
2018 Q1	0.1	0.6	0.6		0.6	0.6	0.1	0.1	0.1
Q2	0.3	0.4	0.5		0.4	0.5	0.3	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2015 Q1	3.3	3.2	3.2		3.2	3.2	3.3	3.3	3.3
Q2	2.9	3.3	3.3		3.3	3.3	2.9	2.9	2.9
Q3	2.2	2.0	2.0		2.0	2.0	2.2	2.2	2.2
Q4	1.8	2.8	2.8		2.8	2.8	1.8	1.8	1.8
2016 Q1	1.8	3.6	3.6		3.6	3.6	1.8	1.8	1.8
Q2	1.6	2.8	2.8		2.8	2.8	1.6	1.6	1.6
Q3	1.9	3.9	3.9		3.9	3.9	1.9	1.9	1.9
Q4	2.3	4.7	4.7		4.7	4.7	2.3	2.3	2.3
2017 Q1	2.5	4.3	3.9		4.3	3.9	2.5	2.1	2.6
Q2	2.4	4.1	3.5		4.1	3.5	2.4	1.8	2.5
Q3	2.2	3.9	3.0		3.9	3.0	2.2	1.3	2.3
Q4	1.7	3.9	2.9		3.9	2.9	1.7	0.7	1.8
2018 Q1	1.2	3.4	2.8		3.4	2.8	1.2	0.6	1.3
Q2	1.3	3.2	2.9		3.2	2.9	1.3	1.0	1.4

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

2 Income data deflated by the implied GDP deflator, based on expenditure data.
3 The growth rates of index numbers are calculated using unrounded data.

M Alignment adjustments

£ 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
2015 Q1	1 832	1 878	1 090
Q2	223	223	831
Q3	−1 721	−1 757	−1 054
Q4	−334	−345	−867
2016 Q1	−84	−86	1 912
Q2	−900	−903	−1 681
Q3	1 981	1 977	−1 987
Q4	−997	−988	1 756
2017 Q1	477	468	2 294
Q2	−991	−976	−2 022
Q3	1 357	1 328	−1 783
Q4	−843	−820	1 511
2018 Q1	−2 917	−2 822	1 614
Q2	789	762	−1 344

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 2017/18 = 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
2014/15	1 857 707	1 855 049	1 658 747	357 598	50 607	1 902 961	1 694 186	361 079	51 589	95.2473
2015/16	1 913 870	1 912 472	1 707 180	362 579	49 784	1 944 905	1 731 157	366 806	50 492	96.0087
2016/17	1 990 080	1 989 127	1 774 324	369 318	53 372	1 978 433	1 766 560	367 526	52 768	98.1367
2017/18	2 059 331	2 060 449	1 838 170	374 510	53 829	2 009 173	1 795 477	368 136	52 789	100.0000
Seasonally adjusted										
2015 Q1	467 295	469 120	417 518	90 075	13 342	479 734	427 535	90 461	13 411	95.0365
Q2	475 229	469 103	424 503	89 420	13 002	482 464	430 425	91 291	13 297	96.1032
Q3	475 541	472 366	423 920	91 090	12 360	484 552	431 718	91 806	12 562	95.7519
Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	95.4918
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	96.6877
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	97.3658
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	97.7472
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	98.4514
2017 Q1	505 882	505 356	450 938	92 970	13 400	498 645	445 684	91 596	12 911	98.9823
Q2	508 235	505 286	453 743	92 864	13 614	499 942	446 804	91 971	13 548	99.1847
Q3	512 380	509 159	456 492	93 054	13 461	501 695	448 336	91 802	13 301	99.6442
Q4	517 974	524 670	462 405	93 862	13 555	503 535	449 973	92 088	13 230	100.3640
2018 Q1	520 742	521 334	465 530	94 730	13 199	504 001	450 364	92 275	12 710	100.8071
Q2	524 731	519 535	467 864	94 734	13 247	506 031	452 169	91 937	12 873	101.1718
Percentage change, latest financial year on previous financial year										
2014/15	4.2	4.1	4.3	2.2	3.3	2.9	3.5	1.9	1.5	1.3
2015/16	3.0	3.1	2.9	1.4	-1.6	2.2	2.2	1.6	-2.1	0.8
2016/17	4.0	4.0	3.9	1.9	7.2	1.7	2.0	0.2	4.5	2.2
2017/18	3.5	3.6	3.6	1.4	0.9	1.6	1.6	0.2	-	1.9
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2015 Q1	0.5	-0.3	0.7	0.3	2.5	0.4	0.3	0.5	1.6	0.1
Q2	1.7	-	1.7	-0.7	-2.5	0.6	0.7	0.9	-0.9	1.1
Q3	0.1	0.7	-0.1	1.9	-4.9	0.4	0.3	0.6	-5.5	-0.4
Q4	0.5	2.7	0.5	-0.7	-0.5	0.7	0.5	-0.2	-1.4	-0.3
2016 Q1	1.6	0.1	1.5	1.3	-1.4	0.3	0.3	0.4	-1.2	1.3
Q2	0.9	0.2	0.9	-0.1	8.1	0.2	0.4	-0.1	8.4	0.7
Q3	0.9	0.8	0.9	0.5	2.7	0.5	0.6	-	2.5	0.4
Q4	1.5	3.2	1.3	0.8	-0.4	0.7	0.9	-	-4.6	0.7
2017 Q1	1.0	-0.2	1.0	0.2	-	0.4	0.4	-0.4	-0.5	0.5
Q2	0.5	-	0.6	-0.1	1.6	0.3	0.3	0.4	4.9	0.2
Q3	0.8	0.8	0.6	0.2	-1.1	0.4	0.3	-0.2	-1.8	0.5
Q4	1.1	3.0	1.3	0.9	0.7	0.4	0.4	0.3	-0.5	0.7
2018 Q1	0.5	-0.6	0.7	0.9	-2.6	0.1	0.1	0.2	-3.9	0.4
Q2	0.8	-0.3	0.5	-	0.4	0.4	0.4	-0.4	1.3	0.4
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2015 Q1	3.0	2.3	3.2	0.6	-1.4	2.7	3.3	1.0	-3.0	0.3
Q2	3.2	3.0	3.3	2.0	10.3	2.4	2.9	1.2	9.1	0.7
Q3	2.3	2.7	2.0	1.1	-0.8	2.1	2.2	1.6	-1.8	0.2
Q4	2.8	3.1	2.8	0.7	-5.5	2.2	1.8	1.8	-6.2	0.5
2016 Q1	3.9	3.5	3.6	1.7	-9.1	2.1	1.8	1.7	-8.7	1.7
Q2	3.0	3.7	2.8	2.4	0.8	1.7	1.6	0.7	-0.2	1.3
Q3	3.8	3.9	3.9	1.0	8.9	1.7	1.9	0.2	8.3	2.1
Q4	4.9	4.4	4.7	2.6	9.0	1.7	2.3	0.4	4.7	3.1
2017 Q1	4.2	4.0	4.2	1.5	10.5	1.8	2.4	-0.5	5.5	2.4
Q2	3.8	3.8	3.9	1.4	3.8	1.9	2.2	-	2.0	1.9
Q3	3.8	3.8	3.6	1.1	-	1.8	1.9	-0.2	-2.2	1.9
Q4	3.4	3.6	3.6	1.2	1.1	1.4	1.4	0.1	2.0	1.9
2018 Q1	2.9	3.2	3.2	1.9	-1.5	1.1	1.1	0.7	-1.6	1.8
Q2	3.2	2.8	3.1	2.0	-2.7	1.2	1.2	-	-5.0	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 2017/2018 = 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

2017 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2014	96.3589	95.6174	96.1755
2015	96.2798	96.0340	96.4095
2016	97.7953	98.0101	98.2014
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2015 Q1	95.8543	95.4720	95.9035
Q2	96.8571	96.5436	96.8532
Q3	96.4375	96.1907	96.4305
Q4	95.9701	95.9295	96.4508
2016 Q1	97.1290	97.1308	97.6379
Q2	97.7714	97.8120	98.0689
Q3	97.9182	98.1952	98.3573
Q4	98.3628	98.9026	98.7415
2017 Q1	99.3343	99.4359	99.3620
Q2	99.6032	99.6392	99.7295
Q3	100.1411	100.1009	99.9909
Q4	100.9214	100.8240	100.9176
2018 Q1	101.1687	101.2690	101.5114
Q2	101.4575	101.6354	101.6131
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2014	1.2	1.7	1.2
2015	-0.1	0.4	0.2
2016	1.6	2.1	1.9
2017	2.3	2.0	1.8
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2015 Q1	-0.2	0.1	0.4
Q2	1.0	1.1	1.0
Q3	-0.4	-0.4	-0.4
Q4	-0.5	-0.3	-
2016 Q1	1.2	1.3	1.2
Q2	0.7	0.7	0.4
Q3	0.2	0.4	0.3
Q4	0.5	0.7	0.4
2017 Q1	1.0	0.5	0.6
Q2	0.3	0.2	0.4
Q3	0.5	0.5	0.3
Q4	0.8	0.7	0.9
2018 Q1	0.2	0.4	0.6
Q2	0.3	0.4	0.1
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2015 Q1	-0.2	0.3	-0.1
Q2	0.2	0.7	0.3
Q3	-0.2	0.2	-0.2
Q4	-0.1	0.5	0.9
2016 Q1	1.3	1.7	1.8
Q2	0.9	1.3	1.3
Q3	1.5	2.1	2.0
Q4	2.5	3.1	2.4
2017 Q1	2.3	2.4	1.8
Q2	1.9	1.9	1.7
Q3	2.3	1.9	1.7
Q4	2.6	1.9	2.2
2018 Q1	1.8	1.8	2.2
Q2	1.9	2.0	1.9

1 Implied deflator is expressed in terms of 2017 = 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
2014	64 597	1 844 295	28 551	1 890 493	29 266
2015	65 110	1 895 839	29 117	1 934 903	29 717
2016	65 648	1 969 524	30 001	1 969 524	30 001
2017	66 040	2 044 471	30 958	2 003 817	30 342
Seasonally adjusted					
2015 Q1	64 982	467 295	7 191	479 734	7 383
Q2	65 110	475 229	7 299	482 464	7 410
Q3	65 245	475 541	7 289	484 552	7 427
Q4	65 379	477 774	7 308	488 153	7 467
2016 Q1	65 514	485 326	7 408	489 736	7 475
Q2	65 648	489 494	7 456	490 502	7 472
Q3	65 746	493 730	7 510	492 816	7 496
Q4	65 844	500 974	7 608	496 470	7 540
2017 Q1	65 942	505 882	7 672	498 645	7 562
Q2	66 040	508 235	7 696	499 942	7 570
Q3	66 146	512 380	7 746	501 695	7 585
Q4	66 253	517 974	7 818	503 535	7 600
2018 Q1	66 359	520 742	7 847	504 001	7 595
Q2	66 466	524 731	7 895	506 031	7 613
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2014		4.7	3.9	2.9	2.2
2015		2.8	2.0	2.3	1.5
2016		3.9	3.0	1.8	1.0
2017		3.8	3.2	1.7	1.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2015 Q1		0.5	0.3	0.4	0.3
Q2		1.7	1.5	0.6	0.4
Q3		0.1	-0.1	0.4	0.2
Q4		0.5	0.3	0.7	0.5
2016 Q1		1.6	1.4	0.3	0.1
Q2		0.9	0.6	0.2	-
Q3		0.9	0.7	0.5	0.3
Q4		1.5	1.3	0.7	0.6
2017 Q1		1.0	0.8	0.4	0.3
Q2		0.5	0.3	0.3	0.1
Q3		0.8	0.6	0.4	0.2
Q4		1.1	0.9	0.4	0.2
2018 Q1		0.5	0.4	0.1	-0.1
Q2		0.8	0.6	0.4	0.2
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2015 Q1		3.0	2.1	2.7	1.9
Q2		3.2	2.3	2.4	1.6
Q3		2.3	1.5	2.1	1.3
Q4		2.8	1.9	2.2	1.4
2016 Q1		3.9	3.0	2.1	1.2
Q2		3.0	2.2	1.7	0.8
Q3		3.8	3.0	1.7	0.9
Q4		4.9	4.1	1.7	1.0
2017 Q1		4.2	3.6	1.8	1.2
Q2		3.8	3.2	1.9	1.3
Q3		3.8	3.1	1.8	1.2
Q4		3.4	2.8	1.4	0.8
2018 Q1		2.9	2.3	1.1	0.4
Q2		3.2	2.6	1.2	0.6

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

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

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

Revisions Analysis¹

Revisions since previously published estimates

£ million

		2013	2014	2015	2016	2017
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	—	—	—	—	3 820
less Basic price adjustment	KB7E	—	—	—	—	—4
Gross value added at basic prices	KB7F	—	—	—	—	3 824
Gross domestic product:						
expenditure at current prices (Table C1)						
National expenditure on goods and services						
at market prices						
Households	KB7K	—	—	—	—	343
Non-profit institutions serving households	KB7L	—	—	—	—	—97
General government	KB7M	—	—	—	—	118
Gross fixed capital formation	KB7N	—	—	—	—	—353
Changes in inventories	KB7O	—	—	—	—	60
Acquisitions less disposals of valuables	KB7P	—	—	—	—	67
Total	KB7Q	—	—	—	—	138
Total exports	KB7R	—	—	—	—	1 853
Total imports	KB7S	—	—	—	—	—1 293
Statistical discrepancy (expenditure)	KB7T	—	—	—	—	536
Gross domestic product:						
income at current prices (Table D)						
Compensation of employees	KB7U	—	—	—	—	1 537
Gross operating surplus of corporations	KB7V	—	—	—	—	655
Other income	KB7W	—	—	—	—	584
Gross value added at factor cost	KB7X	—	—	—	—	2 776
Taxes on products & production less Subsidies	KB7Y	—	—	—	—	257
Statistical discrepancy (income)	KB7Z	—	—	—	—	787

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

		2013	2014	2015	2016	2017
Latest less previously published growth rates for GDP						
in chained volume terms						
Percentage changes in volume of GDP (Table A2)						
Gross domestic product chained volume measures						
Year on year growth	KB82	—	—	—	—	—
Percentage changes in volume						
of GVA output components (Table B1)						
GVA at basic prices						
Agriculture, forestry and fishing	KB83	—	—	—	—	—
Mining and quarrying inc oil & gas extraction	KB84	—	—	—	—	0.3
Manufacturing	KB85	—	—	—	—	0.1
Electricity, gas, steam and air	KB86	—	—	—	—	—
Water supply, sewerage	KNT7	—	—	—	—	0.3
Total Production	KB87	—	—	—	—	0.2
Construction	KB88	—	—	—	—	0.1
Distribution, hotels and restaurants	KB89	—	—	—	—	—
Transport storage and communications	KB8A	—	—	—	—	0.4
Business services and finance	KB8B	—	—	—	—	0.1
Government and other services	KB8C	—	—	—	—	0.2
Total services	KB8D	—	—	—	—	0.2
Total GVA	KB8E	—	—	—	—	0.1
Total GVA excluding Oil	KB8F	—	—	—	—	0.1
Percentage changes in volume						
of GDP expenditure components (Table C2)						
National expenditure on goods and services						
at market prices						
Households	KB8G	—	—	—	—	—
Non-profit institutions serving households	KB8H	—	—	—	—	—0.3
General government	KB8I	—	—	—	—	—
Gross fixed capital formation	KB8J	—	—	—	—	—0.1
Total	KB8K	—	—	—	—	—0.1
Total exports	KB8L	—	—	—	—	0.3
Total imports	KB8M	—	—	—	—	—

Revisions Analysis¹

Revisions since previously published estimates

continued

£ million

		2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2
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	–	–	–	–	–	–	–	–	–133	8	1 474	2 471	862	986
less Basic price adjustment	KB7E	–	–	–	–	–	–	–	–	198	–351	48	101	797	568
Gross value added at basic prices	KB7F	–	–	–	–	–	–	–	–	–331	359	1 426	2 370	65	418
Gross domestic product:															
expenditure at current prices (Table C1)															
National expenditure on goods and services															
at market prices															
Households	KB7K	–	–	–	–	–	–	–	–	–183	–77	–16	619	745	1 400
Non-profit institutions serving households	KB7L	–	–	–	–	–	–	–	–	–22	–29	–17	–29	–38	–37
General government	KB7M	–	–	–	–	–	–	–	–	221	–606	122	381	72	–701
Gross fixed capital formation	KB7N	–	–	–	–	–	–	–	–	–347	157	–29	–134	232	–947
Changes in inventories	KB7O	–	–	–	–	–	–	–	–	515	658	–317	–796	–1 616	–1 898
Acquisitions less disposals of valuables	KB7P	–	–	–	–	–	–	–	–	–2	9	–274	334	816	345
Total	KB7Q	–	–	–	–	–	–	–	–	182	112	–531	375	211	–1 838
Total exports	KB7R	–	–	–	–	–	–	–	–	–1 486	–645	1 869	2 115	1 312	4 161
Total imports	KB7S	–	–	–	–	–	–	–	–	–888	–266	–76	–63	741	1 686
Statistical discrepancy (expenditure)	KB7T	–	–	–	–	–	–	–	–	283	275	60	–82	80	349
Gross domestic product:															
income at current prices (Table D)															
Compensation of employees	KB7U	–	–	–	–	–	–	–	–	18	926	421	172	–619	–466
Gross operating surplus of corporations	KB7V	–	–	–	–	–	–	–	–	–741	–1 051	597	1 850	528	1 236
Other income	KB7W	–	–	–	–	–	–	–	–	290	183	102	9	–55	–638
Gross value added at factor cost	KB7X	–	–	–	–	–	–	–	–	–433	58	1 120	2 031	–146	132
Taxes on products & production less Subsidies	KB7Y	–	–	–	–	–	–	–	–	224	–193	106	120	562	618
Statistical discrepancy (income)	KB7Z	–	–	–	–	–	–	–	–	76	143	248	320	446	236

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

		2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2
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	–0.1
Percentage changes in volume of GVA output components (Table B1)															
GVA at basic prices quarter on quarter growth															
Agriculture, forestry and fishing	KB83	–	–	–	–	–	–	–	–	–	0.1	0.1	–	0.3	0.1
Mining and quarrying inc oil & gas extraction	KB84	–	–	–	–	–	–	–	–	–	1.5	–1.9	0.4	0.1	–
Manufacturing	KB85	–	–	–	–	–	–	–	–	0.1	0.1	–0.1	–0.1	–	0.2
Electricity, gas, steam and air	KB86	–	–	–	–	–	–	–	–	–0.1	0.3	–	–0.6	–0.2	–0.6
Water supply, sewerage	KNT7	–	–	–	–	–	–	–	–	0.6	–0.3	0.3	–0.5	–3.0	–1.1
Total Production	KB87	–	–	–	–	–	–	–	–	0.1	0.1	–0.2	–0.1	–0.3	–
Construction	KB88	–	–	–	–	–	–	–	–	0.2	–0.2	0.1	0.3	–0.8	–0.1
Distribution, hotels and restaurants	KB89	–	–	–	–	–	–	–	–	–	–0.1	–0.1	0.3	0.1	0.5
Transport storage and communications	KB8A	–	–	–	–	–	–	–	–	0.2	0.2	0.1	–0.2	–0.1	0.2
Business services and finance	KB8B	–	–	–	–	–	–	–	–	0.1	0.1	–	–	–	–0.1
Government and other services	KB8C	–	–	–	–	–	–	–	–	0.2	–	–	–	–0.1	0.1
Total services	KB8D	–	–	–	–	–	–	–	–	0.1	0.1	–	–	–	0.1
Total GVA	KB8E	–	–	–	–	–	–	–	–	–	0.1	–	–	–0.1	–
Total GVA excluding Oil	KB8F	–	–	–	–	–	–	–	–	–	–	–	–	–0.1	–
Percentage changes in volume of GDP expenditure components (Table C2)															
National expenditure on goods and services															
at market prices quarter on quarter growth															
Households	KB8G	–	–	–	–	–	–	–	–	–	–0.1	–	–	0.3	0.1
Non-profit institutions serving households	KB8H	–	–	–	–	–	–	–	–	–0.3	0.2	–	–0.3	–0.2	–0.9
General government	KB8I	–	–	–	–	–	–	–	–	0.1	–0.1	–0.1	–0.1	–0.2	–0.8
Gross fixed capital formation	KB8J	–	–	–	–	–	–	–	–	–0.1	0.2	–0.2	–0.1	0.3	–1.3
Total	KB8K	–	–	–	–	–	–	–	–	0.1	–	–0.4	0.1	–	–0.2
Total exports	KB8L	–	–	–	–	–	–	–	–	–1.2	0.5	2.0	–	–0.8	1.4
Total imports	KB8M	–	–	–	–	–	–	–	–	–0.6	0.3	0.6	0.1	–0.1	0.6

AA Annex A - Growth and contributions to growth - output components of GDP¹

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
2015	1.1	1.2	8.0	—	1.0	3.4	4.4	2.7	4.5	4.1	2.6	0.9
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	—
2017	2.9	2.0	0.6	2.6	-1.7	3.0	7.2	2.0	2.1	4.6	2.1	0.4
Contributions to growth	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2015	—	0.2	0.1	—	—	—	0.3	2.1	0.6	0.4	0.9	0.2
2016	—	0.1	—	—	—	0.1	0.2	1.5	0.5	0.4	0.7	—
2017	—	0.3	—	0.3	—	—	0.4	1.6	0.3	0.5	0.7	0.1
Percentage change, latest quarter on previous quarter												
Growth	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2015 Q4	-1.7	-0.6	-2.0	-0.2	-2.4	0.3	1.5	0.6	1.0	0.6	0.7	0.3
2016 Q1	-3.7	0.1	-1.9	-0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.5	-0.2
Q2	-1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.3	-0.4
Q3	-0.2	-0.4	5.1	-0.5	-3.9	0.1	1.1	0.8	0.9	2.9	0.7	-0.1
Q4	0.6	0.6	-7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.5	0.1
2017 Q1	2.0	0.4	3.5	0.6	-4.0	2.8	3.4	0.4	-0.3	0.3	0.8	0.5
Q2	0.6	0.3	1.8	0.3	0.8	-1.0	0.2	0.4	0.3	1.1	0.2	0.2
Q3	0.9	0.9	0.2	0.9	2.2	-0.6	0.5	0.3	0.3	0.6	0.5	-0.2
Q4	-0.3	0.6	-4.4	1.3	-0.7	0.7	0.6	0.4	0.2	1.2	0.5	-0.2
2018 Q1	-1.2	0.1	2.6	-0.1	1.2	-1.3	-1.6	0.3	0.2	—	0.5	0.2
Q2	0.1	-0.8	0.7	-0.7	-3.3	0.8	0.8	0.6	1.6	1.5	0.1	0.4
Contributions to growth	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2015 Q4	—	-0.1	—	—	—	—	0.1	0.5	0.1	0.1	0.2	0.1
2016 Q1	—	—	—	—	—	—	—	0.3	0.2	—	0.2	-0.1
Q2	—	0.3	—	0.1	0.1	—	0.1	0.1	0.1	—	0.1	-0.1
Q3	—	-0.1	0.1	-0.1	-0.1	—	0.1	0.6	0.1	0.3	0.2	—
Q4	—	0.1	-0.1	0.1	—	—	0.2	0.6	0.2	0.2	0.2	—
2017 Q1	—	0.1	—	0.1	-0.1	—	0.2	0.3	—	—	0.3	0.1
Q2	—	—	—	—	—	—	—	0.3	—	0.1	0.1	—
Q3	—	0.1	—	0.1	—	—	—	0.2	—	0.1	0.2	—
Q4	—	0.1	—	0.1	—	—	—	0.3	—	0.1	0.2	—
2018 Q1	—	—	—	—	—	—	-0.1	0.2	—	—	0.2	—
Q2	—	-0.1	—	-0.1	-0.1	—	0.1	0.5	0.2	0.2	—	0.1
Percentage change, latest quarter on corresponding quarter of previous year												
Growth	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2015 Q4	-2.6	0.3	7.6	-1.1	-1.0	5.1	3.3	2.0	3.9	2.8	2.0	0.5
2016 Q1	-5.0	-0.1	3.3	-1.1	-1.4	6.8	2.5	2.1	3.9	2.6	2.1	0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.0	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	2.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	1.9	-0.5
2017 Q1	1.3	2.4	2.5	2.7	-1.3	6.4	9.4	2.2	2.9	5.2	2.2	0.2
Q2	3.0	0.9	2.0	1.7	-4.8	2.4	7.7	2.4	2.7	6.2	2.2	0.7
Q3	4.2	2.3	-2.7	3.1	1.2	1.6	7.1	1.9	2.1	3.9	2.0	0.6
Q4	3.1	2.2	0.8	3.1	-1.8	1.8	4.7	1.5	0.5	3.3	2.0	0.3
2018 Q1	-0.1	2.0	—	2.3	3.5	-2.2	-0.3	1.3	1.1	2.9	1.7	—
Q2	-0.5	0.8	-1.1	1.3	-0.7	-0.4	0.4	1.5	2.3	3.3	1.6	0.2
Contributions to growth	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2015 Q4	—	—	0.1	-0.1	—	0.1	0.2	1.6	0.5	0.3	0.7	0.1
2016 Q1	—	—	—	-0.1	—	0.1	0.1	1.7	0.5	0.3	0.7	0.2
Q2	—	0.1	—	—	0.1	0.1	0.2	1.3	0.4	0.2	0.7	—
Q3	—	0.1	—	—	—	0.1	0.3	1.5	0.5	0.4	0.7	-0.1
Q4	—	0.3	—	0.2	0.1	0.1	0.4	1.7	0.6	0.6	0.6	-0.1
2017 Q1	—	0.3	—	0.3	—	0.1	0.6	1.7	0.4	0.5	0.7	—
Q2	—	0.1	—	0.2	-0.1	—	0.5	1.9	0.4	0.7	0.7	0.2
Q3	—	0.3	—	0.3	—	—	0.4	1.5	0.3	0.4	0.7	0.1
Q4	—	0.3	—	0.3	—	—	0.3	1.2	0.1	0.4	0.7	0.1
2018 Q1	—	0.3	—	0.2	0.1	—	—	1.0	0.1	0.3	0.6	—
Q2	—	0.1	—	0.1	—	—	—	1.2	0.3	0.4	0.5	—

¹ Estimates are accurate to 1 decimal place

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

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	Households	Non-profit institutions ³	General government ⁴	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5	
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3	
2017	1.9	-0.8	-0.1	0.6	3.3	1.8	5.7	3.2	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2015	1.7	-	0.3	0.8	0.6	0.4	1.3	1.6	-0.4
2016	2.0	-	0.1	0.3	0.4	-	0.3	0.9	-0.7
2017	1.2	-	-	0.1	0.6	0.2	1.6	0.9	0.7
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2015 Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7	
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4	
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6	
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1	
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2	
2017 Q1	0.6	-0.5	-0.4	2.0	1.0	-0.2	-0.4	0.3	
Q2	0.3	-0.5	0.4	-0.2	1.8	1.8	1.1	0.7	
Q3	0.3	-0.7	-0.2	-1.2	0.2	0.6	2.8	1.1	
Q4	0.3	-0.2	0.3	-1.1	0.7	0.5	1.0	-0.1	
2018 Q1	0.5	-0.5	0.2	-0.8	-1.0	-0.5	-0.8	-0.3	
Q2	0.4	-0.8	-0.4	5.0	-0.5	-0.7	-2.2	-0.2	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2015 Q4	-	-	-	1.0	0.3	0.2	0.6	0.8	-0.2
2016 Q1	0.7	-	0.1	-0.3	-	-0.2	-0.2	-0.1	-0.1
Q2	0.5	-	-	-0.4	0.3	0.1	0.3	0.2	0.1
Q3	0.8	-	-	1.5	0.2	0.1	-0.9	0.9	-1.8
Q4	-	-	-	-0.9	-0.1	-0.1	1.7	-	1.7
2017 Q1	0.4	-	-0.1	0.3	0.2	-	-0.1	0.1	-0.2
Q2	0.2	-	0.1	-	0.3	0.2	0.3	0.2	0.1
Q3	0.2	-	-	-0.2	-	0.1	0.8	0.3	0.5
Q4	0.2	-	0.1	-0.2	0.1	-	0.3	-	0.3
2018 Q1	0.3	-	-	-0.1	-0.2	-0.1	-0.2	-0.1	-0.1
Q2	0.2	-	-0.1	0.8	-0.1	-0.1	-0.7	-	-0.6
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2015 Q4	2.8	-0.1	1.8	0.8	2.5	2.9	3.1	3.0	
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4	
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2	
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1	
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5	
2017 Q1	2.7	0.6	-0.5	2.8	3.4	1.2	3.8	4.2	
Q2	2.1	-0.6	-	5.2	3.7	2.1	4.0	4.3	
Q3	1.3	-1.2	-0.2	-4.7	2.4	1.1	10.5	2.3	
Q4	1.6	-1.8	0.1	-0.5	3.7	2.7	4.7	2.0	
2018 Q1	1.5	-1.9	0.7	-3.3	1.7	2.3	4.3	1.4	
Q2	1.6	-2.2	-	1.7	-0.6	-0.2	0.8	0.6	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2015 Q4	1.7	-	0.3	0.1	0.4	0.3	0.9	0.9	-0.1
2016 Q1	2.1	-	0.3	-0.5	0.1	-0.2	0.3	0.1	0.1
Q2	2.0	-	0.1	0.1	0.2	-0.1	0.3	0.9	-0.6
Q3	2.0	-	-	1.7	0.8	0.3	-0.3	1.7	-2.1
Q4	2.0	-	0.1	-0.2	0.4	-	0.9	1.0	-0.1
2017 Q1	1.7	-	-0.1	0.5	0.6	0.1	1.1	1.2	-0.2
Q2	1.3	-	-	0.9	0.6	0.2	1.1	1.3	-0.1
Q3	0.8	-	-	-0.8	0.4	0.1	2.9	0.7	2.2
Q4	1.0	-0.1	-	-0.1	0.6	0.3	1.4	0.6	0.8
2018 Q1	0.9	-0.1	0.1	-0.6	0.3	0.2	1.3	0.4	0.8
Q2	1.0	-0.1	-	0.3	-0.1	-	0.2	0.2	0.1

1 Estimates are accurate to 1 decimal place

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

for this component are available in table C2

3 Non-profit institutions serving households

4 Please refer to footnote 7 on table C2

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

Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations ³	Other income ⁴	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Growth				
	KGI3	KH4V	KH6T	KH65
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.3	3.2	1.2	2.9
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2015	1.5	-	0.9	0.3
2016	1.8	1.0	0.6	0.5
2017	2.1	0.7	0.2	0.4
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2015 Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.2	0.4	-0.5
Q2	1.5	-2.7	0.5	0.8
Q3	0.7	0.4	0.2	1.9
Q4	1.0	2.4	0.6	-0.8
2018 Q1	0.8	0.3	1.4	-1.6
Q2	0.7	-0.7	0.5	4.5
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2015 Q4	0.2	0.1	0.1	-
2016 Q1	-0.4	1.8	-	0.1
Q2	1.5	-1.1	0.3	0.2
Q3	1.0	-0.1	-	-
Q4	-0.1	1.4	-	0.3
2017 Q1	0.5	0.3	0.1	-0.1
Q2	0.8	-0.6	0.1	0.1
Q3	0.3	0.1	-	0.2
Q4	0.5	0.5	0.1	-0.1
2018 Q1	0.4	0.1	0.2	-0.2
Q2	0.4	-0.2	0.1	0.5
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2015 Q4	3.4	-1.2	6.1	2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	2.3	1.6	3.2
Q2	4.2	4.2	0.6	2.7
Q3	2.9	5.1	1.0	4.5
Q4	4.1	1.3	1.8	1.3
2018 Q1	4.0	0.4	2.8	0.2
Q2	3.2	2.5	2.8	3.8
Contributions to growth³				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2015 Q4	1.7	-0.3	1.0	0.4
2016 Q1	1.1	1.3	0.9	0.6
Q2	2.0	-0.3	0.8	0.5
Q3	2.3	0.8	0.4	0.3
Q4	2.0	2.1	0.3	0.6
2017 Q1	2.8	0.5	0.3	0.4
Q2	2.1	0.9	0.1	0.3
Q3	1.5	1.1	0.2	0.5
Q4	2.0	0.3	0.3	0.2
2018 Q1	1.9	0.1	0.5	-
Q2	1.6	0.5	0.5	0.5

1 Estimates are accurate to 1 decimal place

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						
	House- holds	Non-prof- it instit- utions ²	General govern- ment	Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2015	0.5	0.8	-0.3	-2.0	1.1	-4.4	-5.8
2016	1.5	0.5	1.2	2.5	1.4	6.1	4.1
2017	2.1	1.7	1.4	3.6	2.4	4.9	5.6
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2015 Q4	1.0	-	-0.6	-5.8	0.1	-	-0.8
2016 Q1	0.2	-	0.9	5.5	0.2	1.6	1.4
Q2	0.4	-0.2	-	2.5	0.6	2.6	2.4
Q3	0.1	0.6	0.5	-0.3	0.4	5.1	3.8
Q4	1.0	0.2	0.8	-1.9	1.0	2.3	1.9
2017 Q1	0.7	0.6	0.7	2.4	0.4	0.1	1.4
Q2	0.3	0.4	-0.5	0.9	0.4	-0.2	0.1
Q3	-	0.6	0.4	2.7	0.8	-0.1	0.2
Q4	0.9	0.2	0.6	0.7	0.7	0.4	0.6
2018 Q1	0.8	0.5	0.7	-2.4	0.6	0.2	-0.4
Q2	0.2	0.8	0.4	0.3	0.1	2.1	1.8
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2015 Q4	0.7	0.2	-1.1	-2.0	0.9	-4.0	-5.9
2016 Q1	1.1	0.3	-	3.7	0.6	-0.1	-1.6
Q2	1.3	0.8	1.6	-0.9	1.5	2.7	1.3
Q3	1.8	0.5	0.9	1.6	1.3	9.6	6.9
Q4	1.8	0.6	2.2	5.7	2.3	12.1	9.8
2017 Q1	2.3	1.2	2.0	2.6	2.4	10.5	9.7
Q2	2.2	1.9	1.4	1.0	2.3	7.5	7.3
Q3	2.1	1.8	1.3	4.1	2.7	2.2	3.6
Q4	2.0	1.8	1.1	6.8	2.4	0.3	2.3
2018 Q1	2.1	1.7	1.1	1.9	2.6	0.4	0.5
Q2	2.0	2.0	2.1	1.3	2.2	2.7	2.2

1 Estimates are accurate to 1 decimal place

2 Non-profit institutions serving households

AE

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

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage change, latest year on previous year												
Current estimates³												
2015	L3BB 1.1	L3BG 1.2	L3BH 8.0	L3BN –	L3DM 1.0	L3DQ 3.4	L3DW 4.4	L3E2 2.7	L3GP 4.5	KI8L 4.1	KI8N 2.6	KI8P 0.9
2016	–5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	–
2017	2.9	2.0	0.6	2.6	–1.7	3.0	7.2	2.0	2.1	4.6	2.1	0.4
Previous estimates²												
2015	A2EQ 1.1	A2ER 1.2	A2ET 8.0	A2ES –	A2EU 1.0	A2EV 3.4	A2EW 4.4	A2EY 2.7	A2F2 4.5	A2F3 4.1	A2F4 2.6	A2F5 0.9
2016	–5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	–
2017	2.9	1.8	0.3	2.5	–1.7	2.7	7.1	1.8	2.1	4.2	2.0	0.2
Revisions												
2015	ZZ52 –	ZZ53 –	ZZ55 –	ZZ54 –	ZZ56 –	ZZ57 –	ZZ58 –	ZZ59 –	ZZ5A –	ZZ5B –	ZZ5C –	ZZ5D –
2016	–	–	–	–	–	–	–	–	–	–	–	–
2017	–	0.2	0.3	0.1	–	0.3	0.1	0.2	–	0.4	0.1	0.2
Percentage change, latest quarter on previous quarter												
Current estimates³												
2015 Q4	L3BB –1.7	L3BG –0.6	L3BH –2.0	L3BN –0.2	L3DM –2.4	L3DQ 0.3	L3DW 1.5	L3E2 0.6	L3GP 1.0	KI8L 0.6	KI8N 0.7	KI8P 0.3
2016 Q1	–3.7	0.1	–1.9	–0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.5	–0.2
Q2	–1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.3	–0.4
Q3	–0.2	–0.4	5.1	–0.5	–3.9	0.1	1.1	0.8	0.9	2.9	0.7	–0.1
Q4	0.6	0.6	–7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.5	0.1
2017 Q1	2.0	0.4	3.5	0.6	–4.0	2.8	3.4	0.4	–0.3	0.3	0.8	0.5
Q2	0.6	0.3	1.8	0.3	0.8	–1.0	0.2	0.4	0.3	1.1	0.2	0.2
Q3	0.9	0.9	0.2	0.9	2.2	–0.6	0.5	0.3	0.3	0.6	0.5	–0.2
Q4	–0.3	0.6	–4.4	1.3	–0.7	0.7	0.6	0.4	0.2	1.2	0.5	–0.2
2018 Q1	–1.2	0.1	2.6	–0.1	1.2	–1.3	–1.6	0.3	0.2	–	0.5	0.2
Q2	0.1	–0.8	0.7	–0.7	–3.3	0.8	0.8	0.6	1.6	1.5	0.1	0.4
Previous estimates²												
2015 Q4	A2CX –1.7	A2CY –0.6	A2DO –2.0	A2DL –0.2	A2DR –2.4	A2DS 0.3	A2DT 1.5	A2DU 0.6	A2DV 1.0	A2DW 0.6	A2DX 0.7	A2DY 0.3
2016 Q1	–3.7	0.1	–1.9	–0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.5	–0.2
Q2	–1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.3	–0.4
Q3	–0.2	–0.4	5.1	–0.5	–3.9	0.1	1.1	0.8	0.9	2.9	0.7	–0.1
Q4	0.6	0.6	–7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.5	0.1
2017 Q1	2.0	0.3	3.5	0.5	–3.9	2.2	3.2	0.3	–0.3	0.1	0.7	0.3
Q2	0.5	0.2	0.3	0.2	0.5	–0.7	0.4	0.3	0.4	0.9	0.1	0.2
Q3	0.8	1.1	2.1	1.0	2.2	–0.9	0.4	0.3	0.4	0.5	0.5	–0.2
Q4	–0.3	0.7	–4.8	1.4	–0.1	1.2	0.3	0.4	–0.1	1.4	0.5	–0.2
2018 Q1	–1.5	0.4	2.5	–0.1	1.4	1.7	–0.8	0.3	0.1	0.1	0.5	0.3
Q2	–	–0.8	0.7	–0.9	–2.7	1.9	0.9	0.5	1.1	1.3	0.2	0.3
Revisions												
2015 Q4	ZZ4A –	ZZ4B –	ZZ4D –	ZZ4C –	ZZ4E –	ZZ4F –	ZZ4G –	ZZ4H –	ZZ4I –	ZZ4J –	ZZ4K –	ZZ4L –
2016 Q1	–	–	–	–	–	–	–	–	–	–	–	–
Q2	–	–	–	–	–	–	–	–	–	–	–	–
Q3	–	–	–	–	–	–	–	–	–	–	–	–
Q4	–	–	–	–	–	–	–	–	–	–	–	–
2017 Q1	–	0.1	–	0.1	–0.1	0.6	0.2	0.1	–	0.2	0.1	0.2
Q2	0.1	0.1	1.5	0.1	0.3	–0.3	–0.2	0.1	–0.1	0.2	0.1	–
Q3	0.1	–0.2	–1.9	–0.1	–	0.3	0.1	–	–0.1	0.1	–	–
Q4	–	–0.1	0.4	–0.1	–0.6	–0.5	0.3	–	0.3	–0.2	–	–
2018 Q1	0.3	–0.3	0.1	–	–0.2	–3.0	–0.8	–	0.1	–0.1	–	–0.1
Q2	0.1	–	–	0.2	–0.6	–1.1	–0.1	0.1	0.5	0.2	–0.1	0.1

1 Estimates are accurate to 1 decimal place

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

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

AE

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

continued

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	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												
2015 Q4	L3ZZ -2.6	L426 0.3	L427 7.6	L42D -1.1	L44C -1.0	L44G 5.1	L44M 3.3	L44Q 2.0	L47F 3.9	KII2 2.8	KIH9 2.0	KIH8 0.5
2016 Q1	-5.0	-0.1	3.3	-1.1	-1.4	6.8	2.5	2.1	3.9	2.6	2.1	0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.0	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	2.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	1.9	-0.5
2017 Q1	1.3	2.4	2.5	2.7	-1.3	6.4	9.4	2.2	2.9	5.2	2.2	0.2
Q2	3.0	0.9	2.0	1.7	-4.8	2.4	7.7	2.4	2.7	6.2	2.2	0.7
Q3	4.2	2.3	-2.7	3.1	1.2	1.6	7.1	1.9	2.1	3.9	2.0	0.6
Q4	3.1	2.2	0.8	3.1	-1.8	1.8	4.7	1.5	0.5	3.3	2.0	0.3
2018 Q1	-0.1	2.0	-	2.3	3.5	-2.2	-0.3	1.3	1.1	2.9	1.7	-
Q2	-0.5	0.8	-1.1	1.3	-0.7	-0.4	0.4	1.5	2.3	3.3	1.6	0.2
Previous estimates²												
2015 Q4	A2DZ -2.6	A2E2 0.3	A2E4 7.6	A2E3 -1.1	A2E5 -1.0	A2EE 5.1	A2EK 3.3	A2EL 2.0	A2EM 3.9	A2EN 2.8	A2EO 2.0	A2EP 0.5
2016 Q1	-5.0	-0.1	3.3	-1.1	-1.4	6.8	2.5	2.1	3.9	2.6	2.1	0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.0	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	2.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	1.9	-0.5
2017 Q1	1.4	2.3	2.5	2.5	-1.2	5.8	9.2	2.1	2.9	5.0	2.2	-
Q2	3.0	0.6	0.5	1.5	-5.0	2.2	7.8	2.2	2.8	5.7	2.0	0.5
Q3	4.1	2.1	-2.3	3.0	1.1	1.2	7.0	1.7	2.3	3.3	1.9	0.4
Q4	3.1	2.3	0.9	3.1	-1.4	1.8	4.4	1.3	0.5	2.9	1.9	0.1
2018 Q1	-0.4	2.4	-0.1	2.5	4.1	1.3	0.3	1.2	0.9	2.9	1.6	0.1
Q2	-1.0	1.4	0.3	1.3	0.8	3.9	0.8	1.5	1.5	3.4	1.7	0.2
Revisions												
2015 Q4	ZZ4N -	ZZ4O -	ZZ4Q -	ZZ4P -	ZZ4R -	ZZ4S -	ZZ4T -	ZZ4U -	ZZ4V -	ZZ4W -	ZZ4X -	ZZ4Y -
2016 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-0.1	0.1	-	0.2	-0.1	0.6	0.2	0.1	-	0.2	-	0.2
Q2	-	0.3	1.5	0.2	0.2	0.2	-0.1	0.2	-0.1	0.5	0.2	0.2
Q3	0.1	0.2	-0.4	0.1	0.1	0.4	0.1	0.2	-0.2	0.6	0.1	0.2
Q4	-	-0.1	-0.1	-	-0.4	-	0.3	0.2	-	0.4	0.1	0.2
2018 Q1	0.3	-0.4	0.1	-0.2	-0.6	-3.5	-0.6	0.1	0.2	-	0.1	-0.1
Q2	0.5	-0.6	-1.4	-	-1.5	-4.3	-0.4	-	0.8	-0.1	-0.1	-

1 Estimates are accurate to 1 decimal place

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

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

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

Seasonally adjusted data

Reference year 2016

Final consumption expenditure								
	House-holds	Non-prof-it institutions ³	General government ⁵	Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	less Total imports
Percentage change, latest year on previous year								
Current estimates⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3
2017	1.9	-0.8	-0.1	0.6	3.3	1.8	5.7	3.2
Previous estimates²								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3
2017	1.9	-0.5	-0.1	0.8	3.4	1.6	5.4	3.2
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2015	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-
2017	-	-0.3	-	-0.2	-0.1	0.2	0.3	-
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2015 Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2
2017 Q1	0.6	-0.5	-0.4	2.0	1.0	-0.2	-0.4	0.3
Q2	0.3	-0.5	0.4	-0.2	1.8	1.8	1.1	0.7
Q3	0.3	-0.7	-0.2	-1.2	0.2	0.6	2.8	1.1
Q4	0.3	-0.2	0.3	-1.1	0.7	0.5	1.0	-0.1
2018 Q1	0.5	-0.5	0.2	-0.8	-1.0	-0.5	-0.8	-0.3
Q2	0.4	-0.8	-0.4	5.0	-0.5	-0.7	-2.2	-0.2
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2015 Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2
2017 Q1	0.6	-0.2	-0.5	1.3	1.1	-0.2	0.8	0.9
Q2	0.4	-0.7	0.5	-0.4	1.6	1.7	0.6	0.4
Q3	0.3	-0.7	-0.1	1.2	0.4	0.6	0.8	0.5
Q4	0.3	0.1	0.4	-1.2	0.8	0.2	1.0	-0.2
2018 Q1	0.2	-0.3	0.4	-0.2	-1.3	-0.4	-	-0.2
Q2	0.3	0.1	0.4	5.2	0.8	0.5	-3.6	-0.8
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2015 Q4	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	-	-0.3	0.1	0.7	-0.1	-	-1.2	-0.6
Q2	-0.1	0.2	-0.1	0.2	0.2	0.1	0.5	0.3
Q3	-	-	-0.1	-2.4	-0.2	-	2.0	0.6
Q4	-	-0.3	-0.1	0.1	-0.1	0.3	-	0.1
2018 Q1	0.3	-0.2	-0.2	-0.6	0.3	-0.1	-0.8	-0.1
Q2	0.1	-0.9	-0.8	-0.2	-1.3	-1.2	1.4	0.6

1 Estimates are accurate to 1 decimal place

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

3 Non-profit institutions serving households

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

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

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

continued

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							
	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								
2015 Q4	KGZ7 2.8	KH28 -0.1	KH2K 1.8	ZZ5Y 0.8	KG7T 2.5	KG7S 2.9	KH2W 3.1	KH3P 3.0
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5
2017 Q1	2.7	0.6	-0.5	2.8	3.4	1.2	3.8	4.2
Q2	2.1	-0.6	-	5.2	3.7	2.1	4.0	4.3
Q3	1.3	-1.2	-0.2	-4.7	2.4	1.1	10.5	2.3
Q4	1.6	-1.8	0.1	-0.5	3.7	2.7	4.7	2.0
2018 Q1	1.5	-1.9	0.7	-3.3	1.7	2.3	4.3	1.4
Q2	1.6	-2.2	-	1.7	-0.6	-0.2	0.8	0.6
Previous estimates²								
2015 Q4	A26C 2.8	A26H -0.1	A26I 1.8	A26J 0.8	A26K 2.5	A26L 2.9	A26M 3.1	A26N 3.0
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5
2017 Q1	2.6	0.9	-0.6	2.0	3.6	1.2	5.0	4.8
Q2	2.2	-0.4	-	4.1	3.6	2.0	4.6	4.6
Q3	1.3	-1.1	-0.2	-3.3	2.6	1.1	8.9	2.0
Q4	1.5	-1.5	0.2	0.8	4.0	2.3	3.2	1.7
2018 Q1	1.2	-1.6	1.2	-0.8	1.5	2.0	2.4	0.6
Q2	1.1	-0.7	1.1	4.9	0.7	0.8	-1.8	-0.6
Revisions								
2015 Q4	ZZ7T -	ZZ7U -	ZZ7V -	ZZ7W -	ZZ7X -	ZZ7Y -	ZZ7Z -	ZZ82 -
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	0.1	-0.3	0.1	0.8	-0.2	-	-1.2	-0.6
Q2	-0.1	-0.2	-	1.1	0.1	0.1	-0.6	-0.3
Q3	-	-0.1	-	-1.4	-0.2	-	1.6	0.3
Q4	0.1	-0.3	-0.1	-1.3	-0.3	0.4	1.5	0.3
2018 Q1	0.3	-0.3	-0.5	-2.5	0.2	0.3	1.9	0.8
Q2	0.5	-1.5	-1.1	-3.2	-1.3	-1.0	2.6	1.2

1 Estimates are accurate to 1 decimal place

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 Price

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
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.3	3.2	1.2	2.9
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.1	3.0	1.1	2.8
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2015	-	-	-	-
2016	-	-	-	-
2017	0.2	0.2	0.1	0.1
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KGI4	KH4W	KH6U	KH66
2015 Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.2	0.4	-0.5
Q2	1.5	-2.7	0.5	0.8
Q3	0.7	0.4	0.2	1.9
Q4	1.0	2.4	0.6	-0.8
2018 Q1	0.8	0.3	1.4	-1.6
Q2	0.7	-0.7	0.5	4.5
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2015 Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.9	-	-0.9
Q2	1.1	-2.4	0.7	1.5
Q3	0.9	-1.1	0.3	1.4
Q4	1.1	1.3	0.7	-0.9
2018 Q1	1.1	1.5	1.4	-2.3
Q2	0.6	-1.3	1.2	4.4
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2015 Q4	-	-	-	-
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	-	-0.7	0.4	0.4
Q2	0.4	-0.3	-0.2	-0.7
Q3	-0.2	1.5	-0.1	0.5
Q4	-0.1	1.1	-0.1	0.1
2018 Q1	-0.3	-1.2	-	0.7
Q2	0.1	0.6	-0.7	0.1

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 Price

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				
2015 Q4	KGI5 3.4	KH4X -1.2	KH6V 6.1	KH67 2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	2.3	1.6	3.2
Q2	4.2	4.2	0.6	2.7
Q3	2.9	5.1	1.0	4.5
Q4	4.1	1.3	1.8	1.3
2018 Q1	4.0	0.4	2.8	0.2
Q2	3.2	2.5	2.8	3.8
Previous estimates²				
2015 Q4	A2CP 3.4	A2CQ -1.2	A2CR 6.1	A2CS 2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	3.0	1.2	2.8
Q2	3.8	5.2	0.4	3.0
Q3	2.7	4.5	0.8	4.3
Q4	4.1	-0.3	1.8	1.1
2018 Q1	4.3	-0.7	3.2	-0.3
Q2	3.8	0.4	3.7	2.5
Revisions				
2015 Q4	ZZ8F -	ZZ8G -	ZZ8H -	ZZ8I -
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	-	-0.7	0.4	0.4
Q2	0.4	-1.0	0.2	-0.3
Q3	0.2	0.6	0.2	0.2
Q4	-	1.6	-	0.2
2018 Q1	-0.3	1.1	-0.4	0.5
Q2	-0.6	2.1	-0.9	1.3

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)