Office for National Statistics

Statistical bulletin

GDP quarterly national accounts, UK: July to September 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.

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

Release date:
21 December 2018

Next release:
11 February 2019

Notice

9 November 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.

Table of contents

1. Main points

2. Things you need to know about this release

3. UK economy grows by an unrevised 0.6% in Quarter 3 2018

4. A largely unrevised picture to the main components of output in Quarter 3 2018

5. The expenditure measure of GDP remains unrevised in Quarter 3, although there are revisions to the composition of growth

6. Nominal GDP revised up in 2017, while new estimates of tax receipts have been incorporated

7. Revisions to GDP

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

9. Links to related statistics

10. Quality and methodology

1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.6% between Quarter 2 (Apr to June) 2018 and Quarter 3 (July to Sept) 2018, unrevised from the first quarterly estimate of GDP.
- GDP was estimated to have increased by 1.8% between 2016 and 2017, revised upwards by 0.1 percentage points from the previous estimate.
- At headline level the GDP dataset is largely unrevised, with a 0.1 percentage point revision to Quarter 3 2017; revisions reflect the inclusion of annual benchmarks from a number of sources for 2017 and the incorporation of administrative Value Added Tax turnover data in the output approach to measuring GDP for Quarter 2 2018.
- Services remained the strongest contributor to growth in the output approach to GDP in Quarter 3 2018, with growth easing slightly from the previous quarter; construction and manufacturing also contributed positively to growth.
- In the expenditure approach to measuring GDP, household consumption grew by 0.5% in Quarter 3 2018, unrevised from the first estimate; various revisions to net trade estimates led to a widening of the trade balance, while business investment has decreased for three consecutive quarters.
- Compensation of employees made the largest contribution to growth in the income measure of GDP, while various new taxes have been incorporated to align estimates with those in public sector finances.

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 90% of the total required for the final output-based estimate. There is also around 90% data content available to produce estimates of GDP from the expenditure approach and around 70% data content from the income approach.

Further information on all three approaches to measuring GDP can be found in the short guide to national accounts.

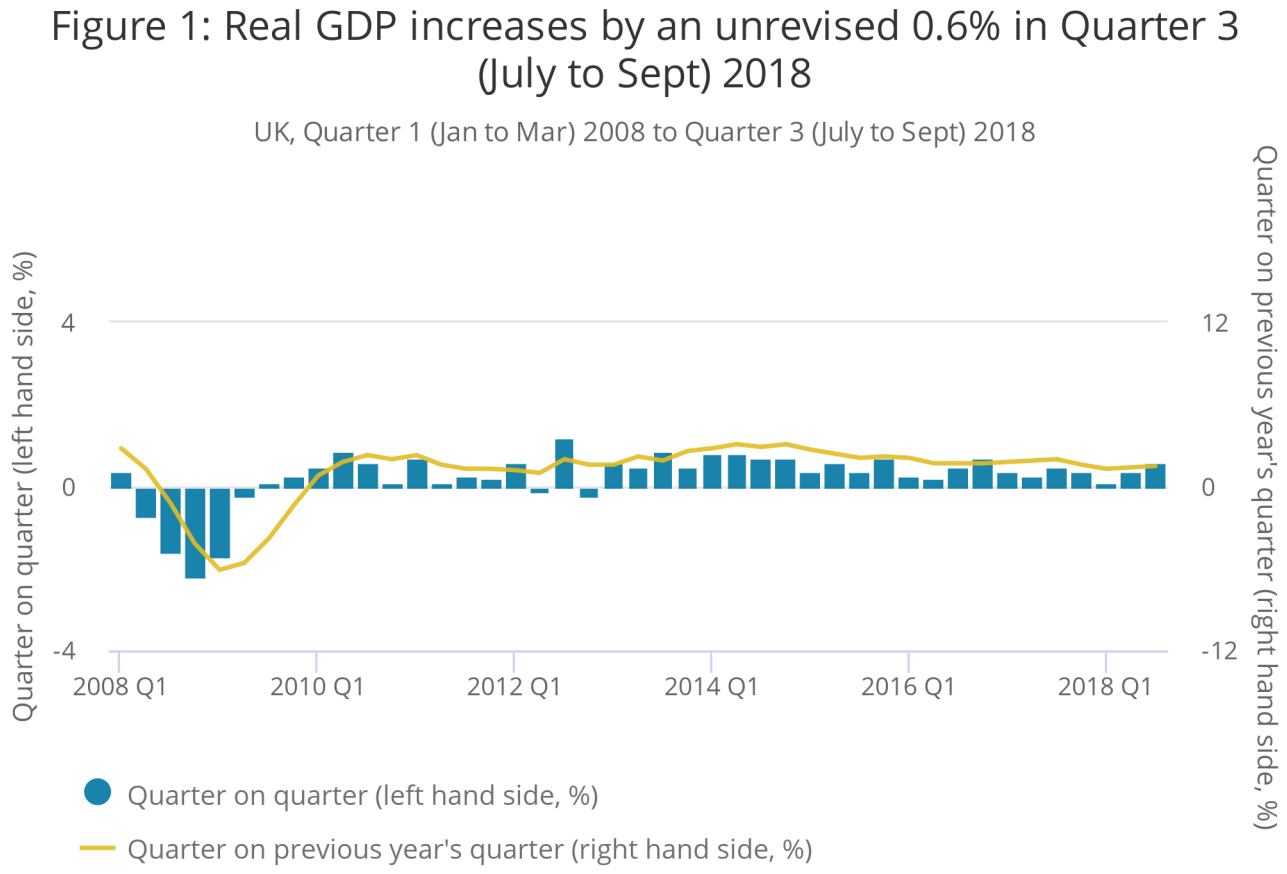
Data in chained volume measures within this bulletin have had the effect of price changes removed (in other words, the data are deflated), with the exception of income data, which are only available in current prices.

3 . UK economy grows by an unrevised 0.6% in Quarter 3 2018

UK gross domestic product (GDP) is estimated to have increased by 0.6% in Quarter 3 (July to Sept) 2018, unrevised from the first quarterly estimate of GDP. In comparison with the same quarter a year ago, the UK economy has grown by an unrevised 1.5%. This is a slight pickup from previous quarters in the year, although the longer-term picture remains one of relatively subdued growth compared with historic standards (Figure 1).

Figure 1: Real GDP increases by an unrevised 0.6% in Quarter 3 (July to Sept) 2018

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

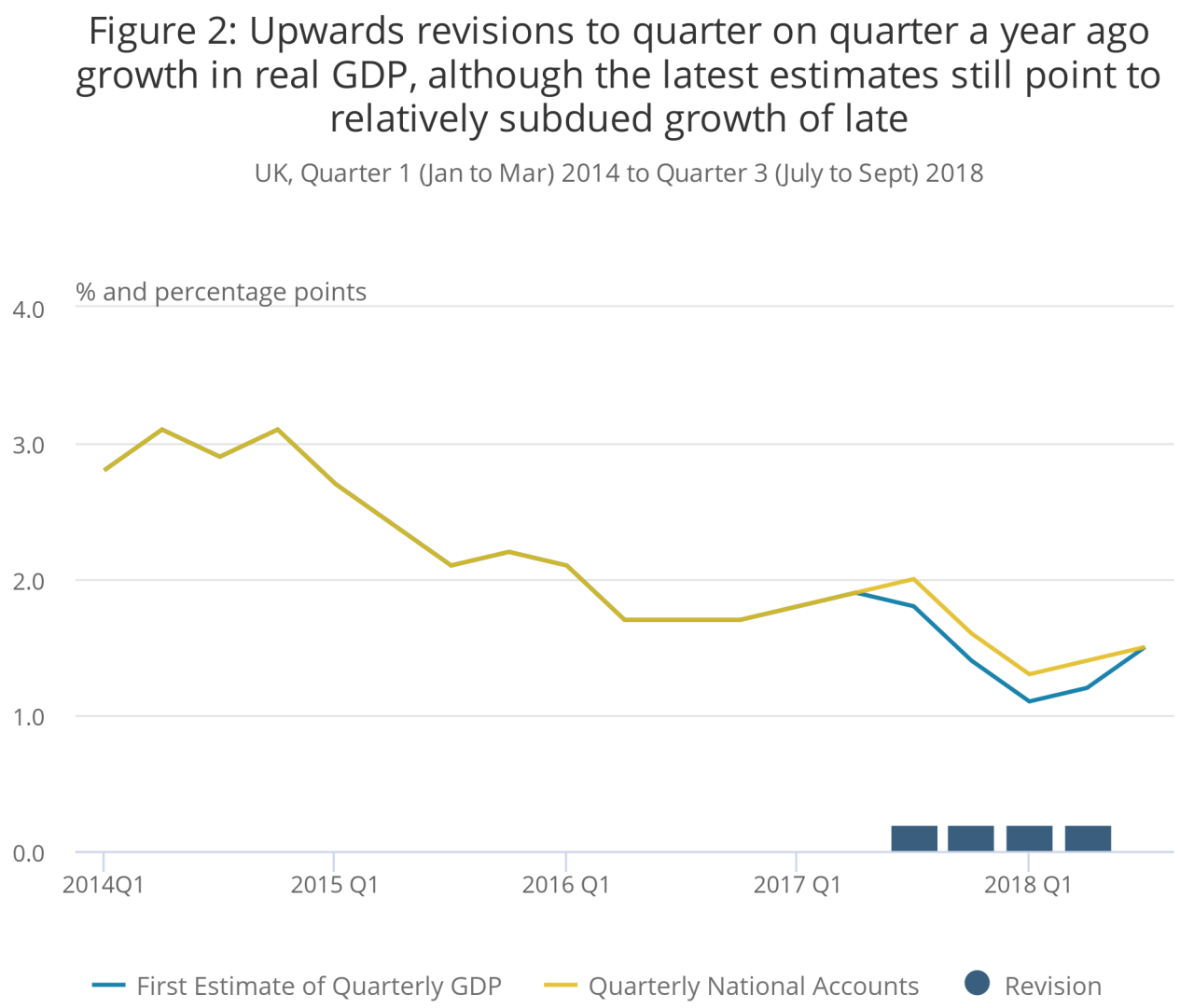
In line with the National Accounts Revisions Policy, all periods are open to revision from Quarter 1 (Jan to Mar) 2017 in today's publication. These latest estimates include the incorporation of annual benchmarks of a range of surveys, Value Added Tax (VAT) turnover estimates for the first time for Quarter 2 (Apr to June) 2018 and additional survey returns. The latest estimates show that almost all quarterly growth rates of real GDP are unrevised (to one decimal place), the exception being Quarter 3 2017 where there has been an upward revision of 0.1 percentage points. As such, the headline picture is in line with previous estimates, showing that there has been some gain in momentum through the year. It reinforces the view that there was a temporary slowdown in the first quarter of the year, in which real GDP grew by an unrevised 0.1%, reflecting to some extent the effects of the adverse weather conditions. The pickup in the last two quarters partly reflects the increase in food and drink sales over the summer months, as consumers took advantage of the warmer weather and the World Cup.

This revision in Quarter 3 2017 has led to real GDP growth in 2017 being revised up from 1.7% to 1.8%. That said, this is against a backdrop of a strengthening global economy last year. Having been one of the fastest-growing G7 economies in 2016, the UK experienced GDP growth that was faster than only Italy in 2017. For further analysis of international comparisons, see Section 8.

Although revisions to quarterly real GDP growth are minimal, there are more widespread revisions to quarter on quarter a year ago estimates of real GDP growth (Figure 2). There have been upwards revisions of 0.2 percentage points to each of the quarters between Quarter 3 2017 and Quarter 2 2018. However, the latest estimates still point to a recent trend of relatively subdued growth.

Figure 2: Upwards revisions to quarter on quarter a year ago growth in real GDP, although the latest estimates still point to relatively subdued growth of late

UK, Quarter 1 (Jan to Mar) 2014 to Quarter 3 (July to Sept) 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).

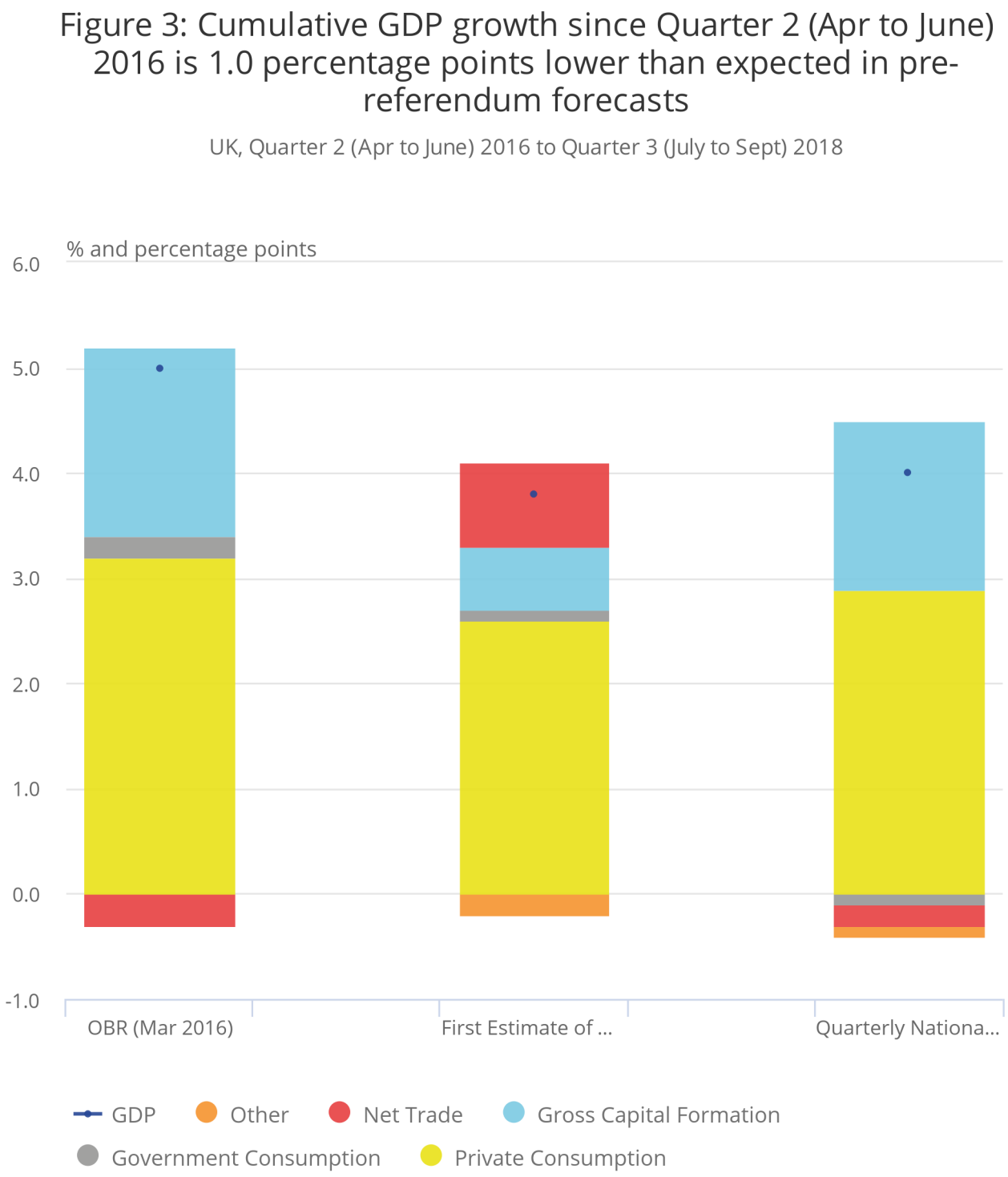
There have been some revisions to lower-level estimates of output and expenditure. Figure 3 shows the expenditure contributions to cumulative GDP growth from Quarter 2 2016, comparing today's estimates to the pre-referendum forecasts produced by the Office for Budget Responsibility (OBR) in March 2016. It also shows the picture that was published in the previous vintage of GDP, highlighting the impact of the revisions in today's quarterly national accounts.

Cumulative GDP growth over this period has been largely unrevised, with the latest estimates showing that GDP has increased by 4.0% since Quarter 2 2016, slightly revised from 3.8% in the previous estimate. This compares with the 5.0% that was forecast in March 2016 by the OBR, which was conditioned on a vote to remain in the European Union. However, it is important to note that the outlook produced at the time would have been subject to forecast errors, with subsequent unforeseen developments in the UK and global economy helping to explain why these comparisons do not reflect a precise estimate.

It also illustrates the revisions that are published today, which show that there has been less external rebalancing than previously estimated. There have been improvements incorporated into the latest estimates of trade flows, which explains why net trade is now estimated to have subtracted 0.2 percentage points from GDP growth over this period. This is in contrast to the positive contribution of 0.8 percentage points recorded in the previous estimate. See Section 7 for more information on the revisions to trade.

Figure 3: Cumulative GDP growth since Quarter 2 (Apr to June) 2016 is 1.0 percentage points lower than expected in pre-referendum forecasts

UK, Quarter 2 (Apr to June) 2016 to Quarter 3 (July to Sept) 2018



Source: Office for National Statistics and Office for Budget Responsibility

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. 'Other' captures the statistical discrepancy.

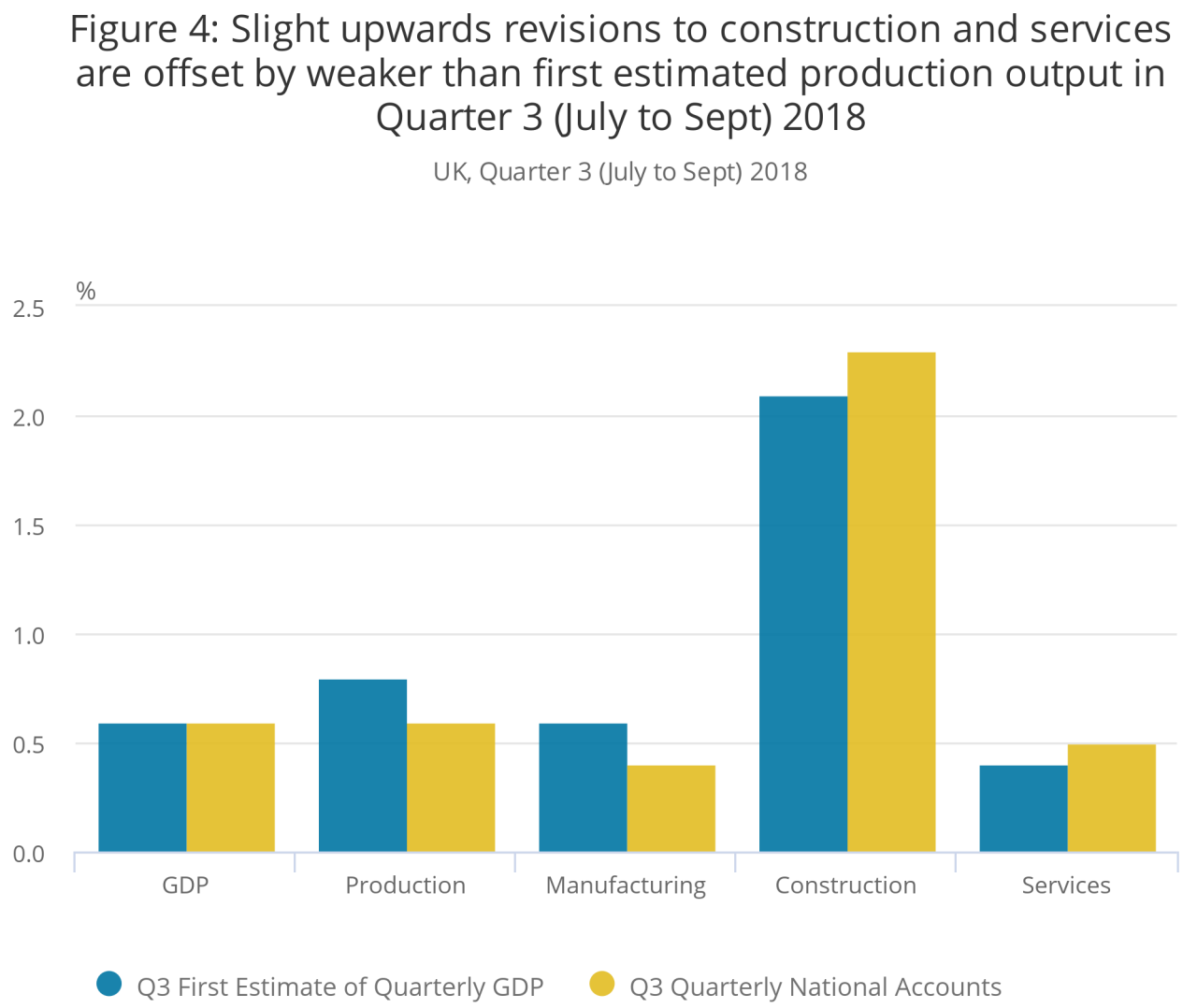
The implied GDP deflator represents the broadest measure of inflation in the domestic economy, reflecting changes in the price of all goods and services that comprise GDP. This includes the price movements in private and government consumption, investment and the relative price of exports and imports. In the year to Quarter 3 2018, the implied GDP deflator increased by a revised 2.1%, slightly up from the previous estimate of 2.0%. Growth in the government consumption deflator picked up to 3.4% over the year, the strongest rate since Quarter 3 2009, however, due to its nature it can be difficult to measure government inflation. The growth in the government consumption deflator was driven by increases to nominal estimates of government expenditure. This was primarily due to final outturns for local government replacing budgetary data in the financial year ending 2018 and changes in the way VAT returns are processed. For more information on these revisions, see Section 7. The revision to the GDP implied deflator in Quarter 3 stems predominantly from an upward revision to the household consumption deflator, partially offset by downwards revision to the exports deflator.

4 . A largely unrevised picture to the main components of output in Quarter 3 2018

The output measure of gross domestic product (GDP) increased by an unrevised 0.6% in Quarter 3 (July to Sept) 2018. Despite some lower-level output revisions, the recent narrative remains largely unchanged (Figure 4). Following a strong summer, in part driven by buoyant food and drink sales as consumers took advantage of the warmer weather and the World Cup, services output eased slightly to 0.5% in Quarter 3. This was revised up from 0.4% in the first estimate. Construction output growth picked up in Quarter 3, following a weak start to the year that was affected by the heavy snowfall, increasing by an upwardly revised 2.3%. Manufacturing output fell in the first two quarters of the year but rose by a revised 0.4% in the latest quarter.

Figure 4: Slight upwards revisions to construction and services are offset by weaker than first estimated production output in Quarter 3 (July to Sept) 2018

UK, Quarter 3 (July to Sept) 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).

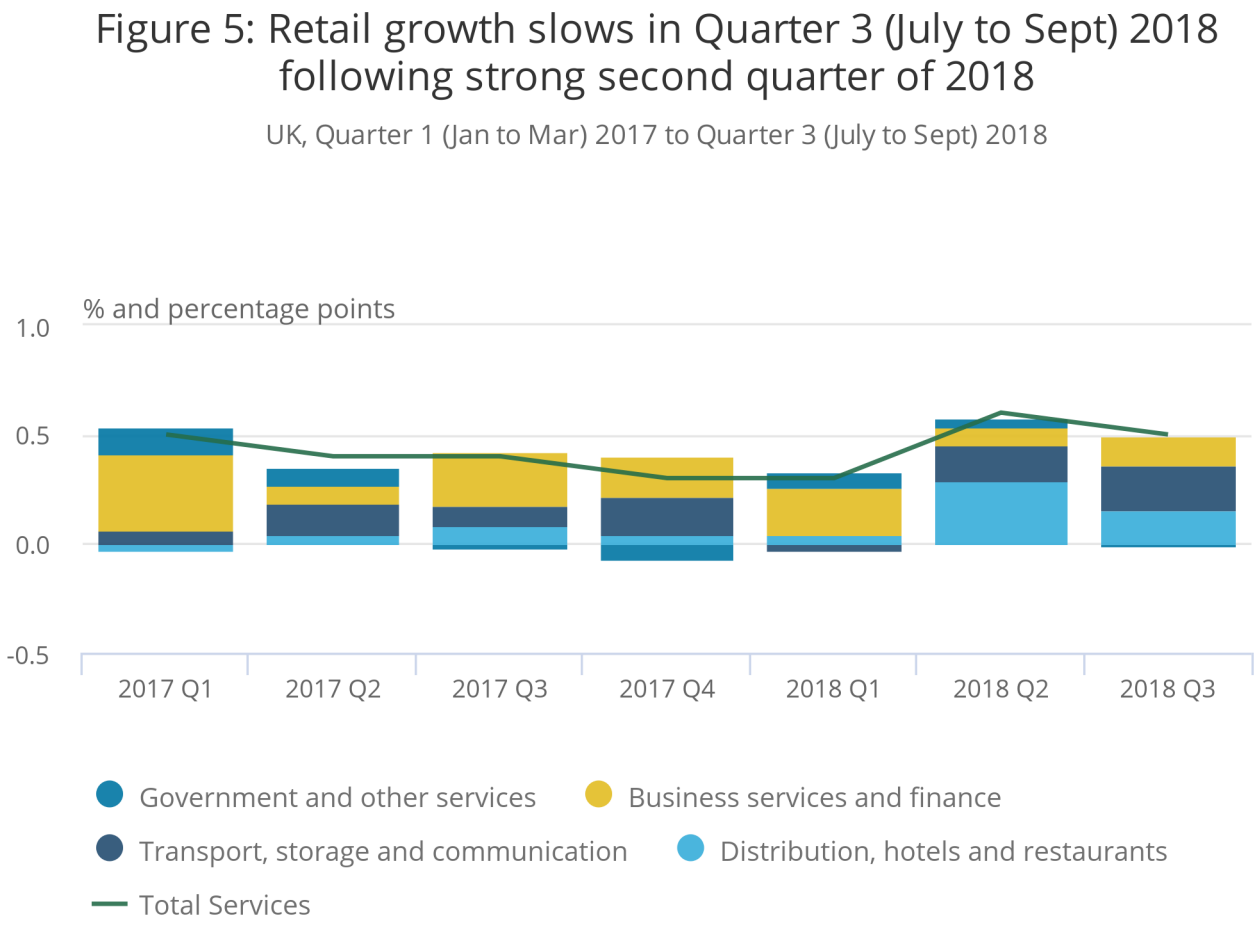
Growth in services output in Quarter 3 2018 has been revised up slightly to 0.5%, reflecting broad-based revisions to a number of industries, including an upward revision of 0.6 percentage points to scientific administrative and support services. These revisions have been driven by the incorporation of Value Added Tax (VAT) data in Quarter 2 (Apr to June) 2018, as well as additional Monthly Business Survey (MBS) returns throughout 2018.

This represents a slight easing from the unrevised 0.6% growth recorded in Quarter 2 2018, where activity was relatively strong in the summer months. This largely reflected a pickup in retail trade, driven by buoyant food and drink sales as consumers took advantage of the warmer weather and the World Cup. Following growth of 1.7% in Quarter 2, growth in wholesale and retail trade slowed to 1.0% in Quarter 3 2018 (Figure 5). This slowdown in growth is corroborated by external evidence, including by the Confederation of British Industry (CBI) who noted "retail sales have cooled as the summer boost to the sector fades". It also points towards subdued growth going forward as "firms grapple with weak household income growth and structural changes posed by digital disruption". The latest insights from the British Retail Consortium (BRC) also imply a further slowdown in sales.

Figure 5 also shows the largest positive contribution to service sector growth came from transport storage and communication, which increased 1.5% in Quarter 3 2018. This is in part due to the computer programming industry, which continues to perform particularly well. Elsewhere, there has also been a pickup in growth in the business services and finance sector, driven by growth in the accounting and auditing industries. However, external evidence from Bank of England Agents Summary (PDF 149KB) notes that business services activity has eased somewhat in Quarter 3 2018, with their contacts citing that "there was tighter cost control due to heightened uncertainty ahead of Brexit", while the latest CBI Services Sector Survey reports a slight fall in business service volumes in the more recent three-month period to November.

Figure 5: Retail growth slows in Quarter 3 (July to Sept) 2018 following strong second quarter of 2018

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 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).

Output growth of the construction industry in Quarter 3 2018 is slightly stronger than first estimated, revised up from 2.1% to 2.3%, and remains the fastest quarterly rise since the first quarter of 2017. This revision is due to the incorporation of VAT data in Quarter 2 2018 for the first time, which has led to construction output being revised down from 0.8% to 0.5% in Quarter 2. The inclusion of VAT, as well as the incorporation of additional updated MBS returns and a review of seasonal adjustment, has resulted in activity in Quarter 3 2018 being revised up.

The increase in the value of construction work in Quarter 3 2018 in part still reflects a recovery following the relatively weak start to 2018, in which construction output fell by an unrevised 1.6% in the weather-affected first three months of the year, corroborated by business surveys at the time. Previous analysis in the first quarterly estimate of GDP showed that the Quarter 3 2018 construction growth was driven by particularly pronounced monthly movements, including weaker base growth in April 2018 and stronger growth in September 2018. The updated monthly figures that are consistent with today's figures will be available in the Construction output in Great Britain: November 2018 publication, released on 11 January 2019.

Production output is now estimated to have increased by 0.6% in Quarter 3, following a fall of 0.7% in the previous quarter. The revisions to production have been driven by the incorporation of updated MBS and VAT data, although the picture is largely unchanged – there remains a bounce back in production output in Quarter 3 2018, in part reflecting the effects of the weather on energy supply in the first half of the year. Output increased across all four main production sectors, driven by manufacturing, where output increased by a revised 0.4% in Quarter 3. This was the first quarterly rise in 2018, following two consecutive quarters of contraction at the start of the year. This pickup is somewhat at odds with external survey evidence at the time, which has commented on an easing in domestic and export manufacturing output in Quarter 3.

The recovery in manufacturing output reflects a pickup across a number of industries following a weak Quarter 2. This recovery was partially due to manufacture of transport equipment, specifically motor vehicle production, which grew 1.1% in Quarter 3. However, compared with the same quarter a year ago, production of transport equipment fell by 1.0% in Quarter 3 2018. This longer-term weakness in car production in part reflects softer growth in domestic demand, at a time when household real incomes have been squeezed. The weakness in car production is broadly consistent with the latest data from the Society of Motor Manufacturers and Traders (SMMT), which noted a 16.8% fall in UK car manufacturing in September 2018 compared with the same period in 2017. The SMMT attributed the slowdown to a "turbulent first three quarters as global trade tensions, model changes and uncertainty over diesel and Brexit were exacerbated by testing backlogs due to new emissions regulations".

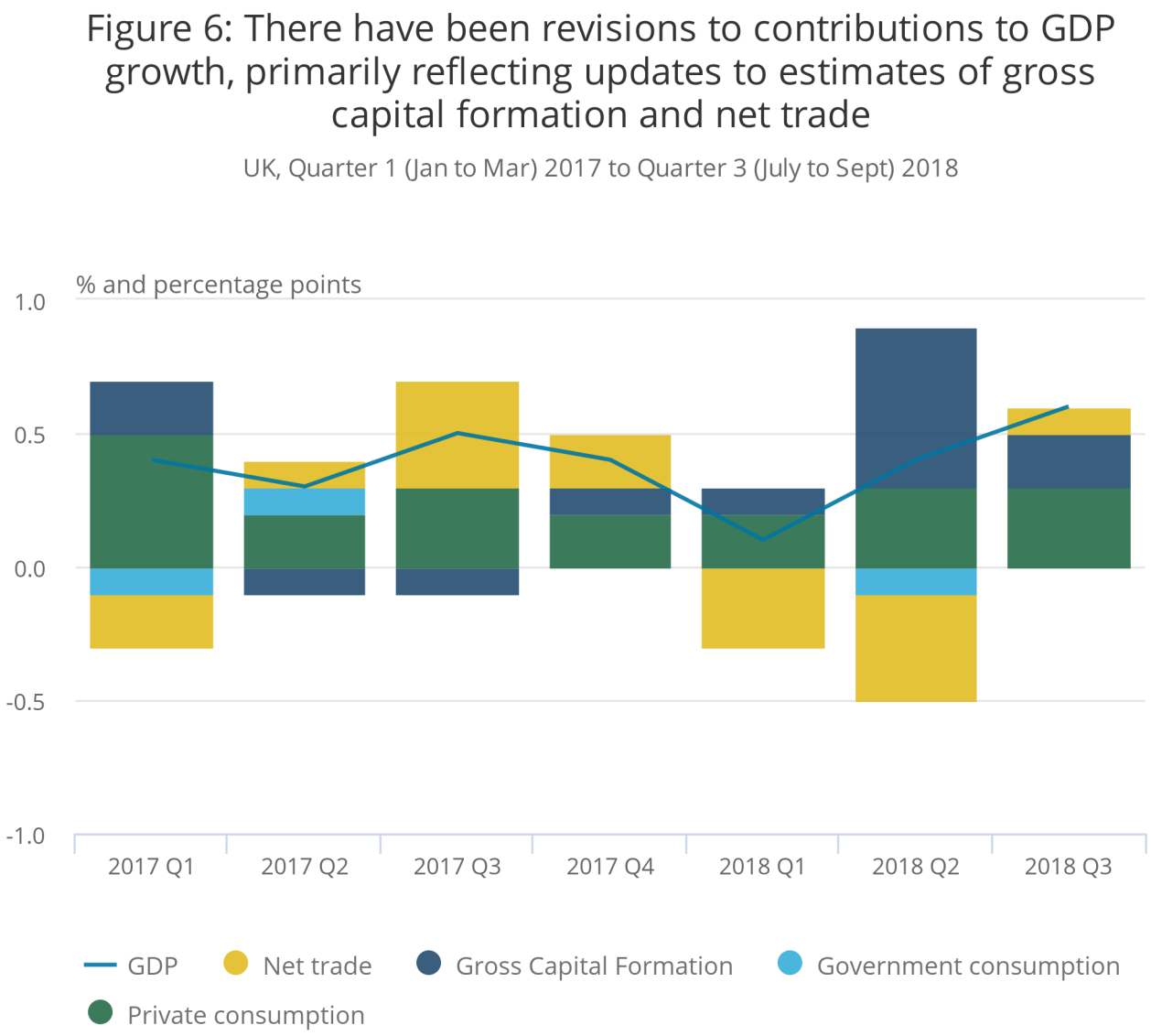
Meanwhile, output in the energy supply sector rose by 1.4% in Quarter 3, revised down 0.5 percentage points. Energy supply production had been heavily affected by weather conditions in the first half of 2018, with production boosted by the cold weather in Quarter 1 (Jan to Mar), followed by some element of fall back and unusually warm temperatures in Quarter 2.

5 . The expenditure measure of GDP remains unrevised in Quarter 3, although there are revisions to the composition of growth

The expenditure measure of gross domestic product (GDP) increased by 0.6% in Quarter 3 (July to Sept) 2018. Gross capital formation, net trade and household consumption all contributed positively to growth in Quarter 3 2018, while the contribution of government consumption was flat (Figure 6). However, there are some notable revisions to the composition of GDP growth in the latest quarter, specifically notable offsetting revisions to gross capital formation and net trade. This reflects updated estimates of non-monetary gold (NMG) affecting both components, as well as improvements to nominal and real estimates of trade flows and a shift in the alignment adjustment. As earlier analysis showed, the cumulative effect of revisions to net trade since Quarter 1 2017 has led to there being less external rebalancing since voting to leave the European Union than previously estimated.

Figure 6: There have been revisions to contributions to GDP growth, primarily reflecting updates to estimates of gross capital formation and net trade

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 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).

Private consumption increased by an unrevised 0.5% in Quarter 3 2018, contributing 0.3 percentage points to GDP growth in the latest quarter. One of the main drivers for the increase in Quarter 3 was the increase in spending on miscellaneous goods, particularly other financial services – see Section 7 on revisions for more information. There was a notably sharp drop in household spending on transport, which fell by 1.4%. This mainly reflects a fall in spending on motor cars and is consistent with the weak figures seen in motor trades services output. External evidence has also pointed to a number of demand and supply factors affecting the industry over the last year. The outlook for households appears to be subdued with the latest GfK Consumer Confidence Index falling to its lowest level in almost a year in November, reporting increased concerns over household finances, the general economy and purchase intentions.

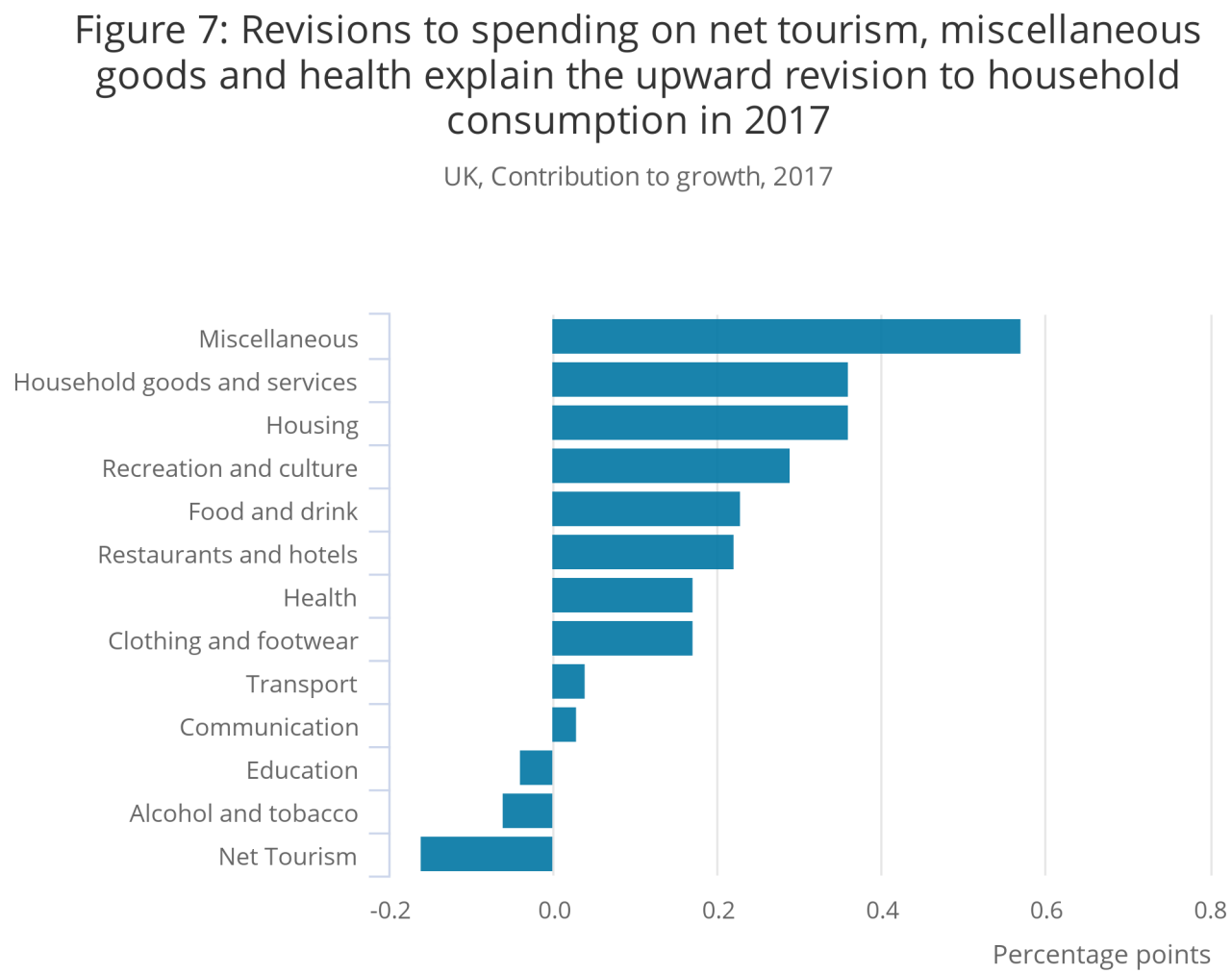
There have been revisions to the quarterly path through 2017, in part reflecting the updated 2017 estimates from the Living Costs and Food (LCF) survey. Household consumption growth in 2017 is now estimated to be 2.2%, an upward revision from 1.9%. Figure 7 shows the latest contributions to growth in household consumption in 2017. The upward revision reflects the updates to tourism and miscellaneous goods (specifically life insurance). The revisions to net tourism reflect the incorporation of estimates from the International Passenger Survey (IPS). Household spending includes all expenditure made by households that are resident in the UK, irrespective of where the spending takes place. This means including estimates of UK households abroad and excluding the spending of foreign households in the UK; the difference between these is called net tourism. Incorporating the latest International Passenger Survey (IPS) estimates has revised net tourism upwards.

Household spending includes all expenditure made by households that are resident in the UK, irrespective of where the spending takes place. However, to include all domestic expenditure, it is necessary to add spending by non-residents that happens in the UK and subtract spending by UK residents that happens outside of the UK. The latest IPS estimates show that there was more spending on net tourism in 2017 – that is, foreign residents are estimated to have spent more in the UK in 2017 relative to the amount spent by UK residents abroad.

Whilst there has been an upward revision in 2017, this still reflects a notable slowing from 3.2% growth in the previous year. This in part reflects the impact of the sterling depreciation in squeezing the purchasing power of households, which has been most evident in the slowing in spending on clothing and footwear, communication and miscellaneous goods.

Figure 7: Revisions to spending on net tourism, miscellaneous goods and health explain the upward revision to household consumption in 2017

UK, Contribution to growth, 2017



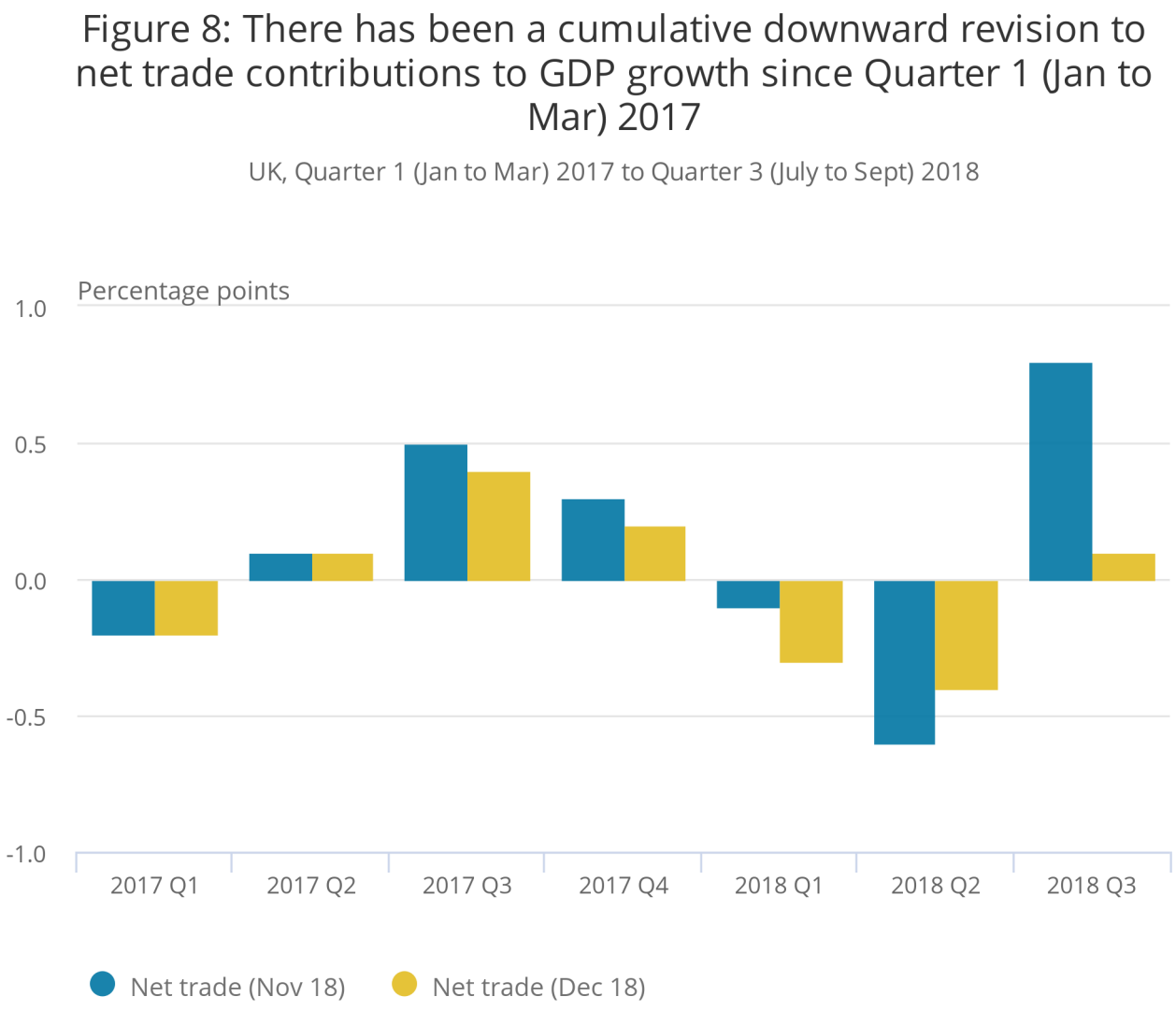
Source: Office for National Statistics

There have been some revisions to the lower-level expenditure estimates, most notably in net trade and gross capital formation. This includes revisions to the latest estimates of non-monetary gold (NMG), which is recorded within the national accounts as a change to valuables and in trade in goods; this can often be quite a volatile series. Movements in NMG do not affect headline GDP as these are recorded as equivalent offsetting impacts, but this is reflected in contributions to GDP growth. This has led to an upward revision in the contribution of gross capital formation (where changes to valuables is recorded) in Quarter 3 2018. Having previously subtracted 0.6 percentage points from GDP growth, the latest estimates now show that there was a positive contribution of 0.2 percentage points. The effect of NMG has been offset in an equivalent downward revision to the net trade contribution.

There have also been improvements incorporated into the trade figures published here, including the incorporation of the annual benchmark of the International Trade in Services survey for 2017 and the replacement of forecast with actual IPS data, which is used to record the exports and imports of travel services. Today's nominal estimates also include the processing of the latest estimates of financial services. In addition to these nominal changes, there have also been improvements to a number of goods deflators, aimed at capturing more accurately the price movements of exports and imports. This has led to additional revisions feeding through into the volume estimates of exports and imports. Figure 8 shows the revisions to the net trade contributions to GDP growth since Quarter 1 2017. The cumulative effect over this period has been for net trade to have contributed less than previously estimated, most notably in the latest quarter in which net trade is now estimated to have contributed 0.1 percentage points to GDP growth in Quarter 3 2018. This is revised down from 0.8 percentage points and mainly reflects updated estimates of unspecified goods (which contains NMG).

Figure 8: There has been a cumulative downward revision to net trade contributions to GDP growth since Quarter 1 (Jan to Mar) 2017

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 2018



Source: Office for National Statistics

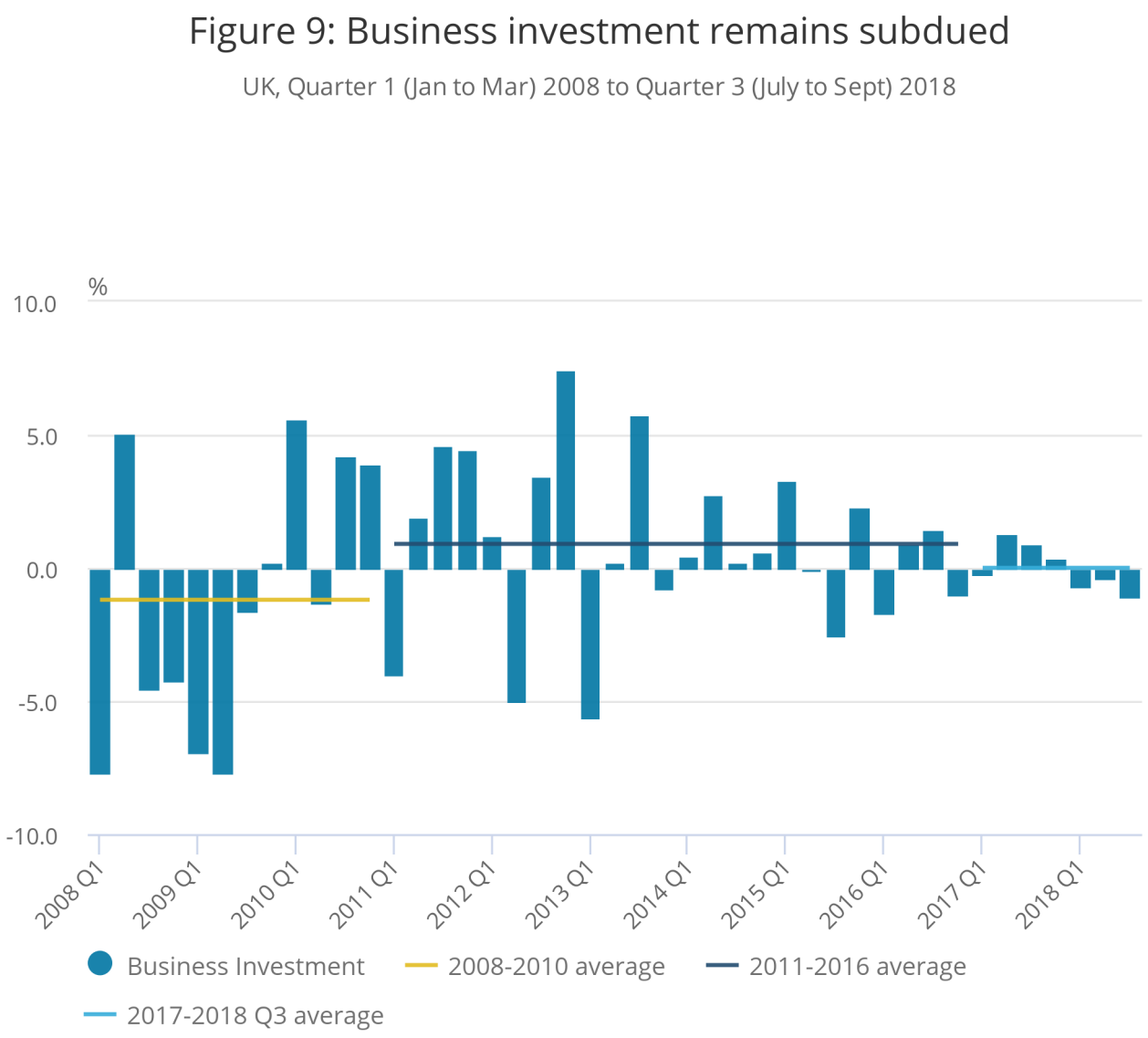
Notes:

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).

Business investment fell by 1.1% in the latest quarter, revised up by 0.1 percentage points from the first estimate. The latest estimates continue to show that business investment has now fallen for three consecutive quarters, which has not been seen since the global financial crisis (Figure 9). There have also been downward revisions to the quarterly path in 2017, giving a slightly weaker picture of capital expenditure. Business investment is now estimated to have increased by 1.5% in 2017, revised down from 1.8%. Recent research has found evidence that Brexit uncertainty has weighed on the economy so far, reducing the levels of investment and employment since the referendum. The latest findings have shown that almost 40% of businesses consider it as one of the main sources of uncertainty. This figure has risen of late, pointing to the effects of uncertainty still being pronounced. This would also corroborate other survey evidence that points to uncertainty weighing on investment intentions. In a recent CBI survey, 80% of businesses cited Brexit as having a negative impact on investment decisions, a marked increase from the 36% that was reported a year earlier. Intelligence from the Bank of England identifies Brexit uncertainty as the largest headwind to capital expenditure, in line with the most recent Deloitte CFO Survey (PDF 1.27MB).

Figure 9: Business investment remains subdued

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

Today's estimates show an increase in inventories, although users should be aware that adjustments have been applied to the change in inventories component in Quarter 3 2018 to help balance the different measurement approaches to GDP. The estimates should be considered accordingly. Please see the Quality and methodology section for further information about the balancing adjustments applied to this dataset.

There have been upward revisions to the quarterly path of government investment, with the latest estimates showing that it increased by 3.7% in 2017. This compares with the earlier estimate of 1.7%. Following a notable upward revision in Quarter 1 2018, the last two quarters have been revised down. This is most evident in Quarter 3, in which government investment has been revised down by 3.6 percentage points. Some of this reflects that there has been a reallocation of capital expenditure that relates to the Mersey Gateway Project, with more accurate information now available as to when this activity took place. Information published by the Ministry of Housing, Communities and Local Government (MHCLG) reports £0.6 billion of new construction expenditure reported by the Halton local authority, which relates to the completion and opening of the Mersey Gateway Bridge in 2017. Although the expenditure on the entire project was reported by Halton in their accounts for the financial year ending March 2018, we have taken the decision to record this expenditure on an accruals basis across the construction period, which has led to revisions to the quarterly path. We plan to introduce the remainder of the expenditure in the appropriate years to national accounts and public sector finances simultaneously in Blue Book 2019.

There have also been some revisions to private dwellings investment, which has been revised up in the latest quarter. This reflects the receipt of updated survey data and the incorporation of VAT turnover for 2018 Quarter 2 in construction estimates.

There has been a notable downward revision to government consumption in Quarter 3 2018, which is now estimated to have fallen by 0.3%. This has been driven by updated financial outturn data for healthcare, military and central government public administration. This latest data also includes an improved recording of VAT refunds, which have been taken on in the national accounts to align with the public sector finances. More information on this improvement is available in Section 7.

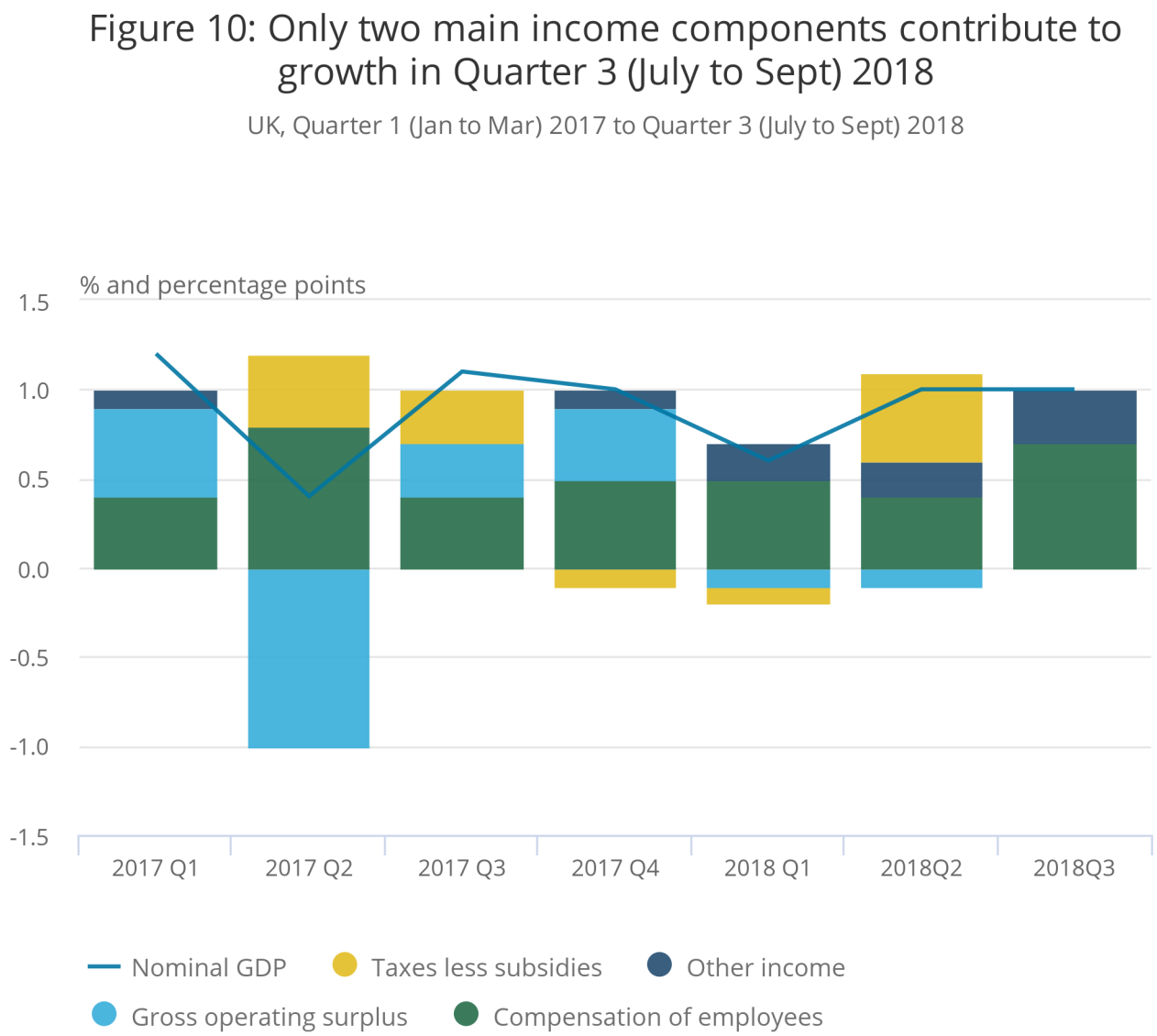
6 . Nominal GDP revised up in 2017, while new estimates of tax receipts have been incorporated

Nominal gross domestic product (GDP) grew by 1.0% in Quarter 3 (July to Sept) 2018, a downwards revision of 0.1 percentage points. There has been a notable upward revision of 0.3 percentage points to nominal GDP growth in 2017, which is now estimated to have increased by 4.1%.

Quarterly growth in nominal GDP has continued to be driven by growth in compensation of employees (CoE), which increased by 1.4% in Quarter 3 2018. This marks its fastest rise in over a year, reflecting an increase in both wages and salaries and in employers' social contributions. This is reflected in the latest labour market data, which shows that nominal regular wage growth increased by 3.3% in the year to the three months to October 2018, the fastest rate of growth since late 2008. Gross operating surplus of corporations increased by 0.1% in Quarter 3, revised from the previous estimate of 1.4% – see Section 7 for more information on revisions. Please see the Quality and methodology section for further information about the balancing adjustments applied to this dataset.

Figure 10: Only two main income components contribute to growth in Quarter 3 (July to Sept) 2018

UK, Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 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).

There have been upward revisions to the level of taxes on products and production in today's estimates, which is due to the incorporation of the Apprenticeship Levy, the Immigration Skills Charge and the Soft Drinks Industry Levy. There has also been an improvement in the recording of Value Added Tax (VAT) refunds, which led to revisions to government consumption in the expenditure measure of GDP.

7 . Revisions to GDP

This release includes the processing and gross domestic product (GDP) balancing of a number of annual benchmarks for 2017 including:

- annual International Trade in Services Survey (calendar year 2017)
- financial inquiries surveys (calendar year 2017)
- local government final outturn data for England and for Wales (financial year ending 2018)

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

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

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

Revisions to output

VAT turnover estimates for Quarter 2 (Apr to June) 2018 have been included in this release for the first time. These affect the Index of Services, Index of Production and Construction output estimates. Revisions to the monthly path for the short-term indicators will become consistent with this publication on 11 January 2019.

Revisions to the insurance and reinsurance (65.1 to 2); pension funding (65.3); and activities auxiliary to financial services (66) industries are due to the incorporation of annual benchmarks from our financial inquiries surveys.

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

Revisions to expenditure components

Household final consumption expenditure (HHFCE) revisions are due to a number of factors including updating annual 2017 Living Costs and Food survey (LCF) estimates across a number of Classification of Individual Consumption by Purpose (COICOP) categories. The revision to the miscellaneous category is driven by updated data from financial inquiries surveys for the calendar year 2017, while revisions to net tourism are in part due to the replacement of forecast International Passenger Survey (IPS) estimates from Quarter 2 2017 with actual estimates of the inclusion of updated annual International Trade in Services (ITIS) survey data.

There are a number of reasons for revisions to trade estimates, which are broadly consistent with the UK trade release on 10 December 2018. These include:

- benchmark data from the annual ITIS survey replacing earlier estimates from the quarterly ITIS surveys, which have a smaller sample size
- the replacement of previous IPS forecasts in recent periods with actual IPS data; this follows analysis of the data that detected no discontinuities as a result of the change in data collection mode
- new annual financial inquiries data have revised insurance services
- improvements to a number of goods deflators, aimed at capturing more accurately the price movements of exports and imports; work to estimate the impact of these improvements has demonstrated these deliver average absolute revisions to export and import chained volume measures of 0.08% for exports and 0.2% for imports

Revisions to government investment are due to the inclusion of capital expenditure outturn data for England in the financial year ending 2018, while dwellings investment revisions include the incorporation of VAT turnover data up to Quarter 2 2018.

Government consumption revisions are due to improvements to the recording of VAT refunds to align with public sector finances estimates. This is an estimate of the amount of VAT claimed back by local authorities and central government departments and it is included in final consumption expenditure to ensure that the sales of services consumed by government are recorded on an equivalent basis, whether they are provided by government or by the private sector. The recording of VAT refunds has been reviewed in collaboration with both HM Revenue and Customs (HMRC) and HM Treasury (HMT) and we have improved the recording of the VAT refunds associated with the National Health Service, academies, the BBC and police commissioners. As such, these updates to VAT refunds have led to revisions to estimates of government consumption.

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

Revisions to income components

There have been revisions to the gross operating surplus of financial corporations component due to updated annual benchmark figures for 2017 from our financial inquiries surveys.

To ensure alignment of GDP with our public sector finances estimates, a number of new taxes have been included in this release. These include the incorporation of the Apprenticeship Levy, payable by any employer with a pay bill over £3 million each year, and the Immigration Skills Charge, levied on employers of non-European Economic Area (EEA) migrants for a visa to work in the UK from Quarter 2 2017 onwards. Also, the Soft Drinks Industry Levy from Quarter 2 onwards, where producers and importers of added-sugar soft drinks are subject to levy rates depending on sugar content. An improvement in the recording of VAT refunds, an estimate of the amount of VAT claimed back by local authorities and central government departments, has positively contributed to the overall upward revision.

The reclassification of Welsh housing associations has also taken place from the latest quarter. These have been reclassified from public corporations to private non-financial corporations, which impacts upon the estimates of operating surplus for these sectors.

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

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

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.

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	0.3	0.3	0.6	0.7	0.4
Q2 2016	0.3	0.3	0.3	-0.2	0.4	0.2	0.2	-0.5	0.0	0.6
Q3 2016	0.4	0.3	0.4	0.2	0.2	0.4	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	0.7	0.8	1.1	0.5	0.4	1.0	0.8	0.4
Q2 2017	0.6	0.7	0.6	0.7	0.5	0.3	0.3	1.1	0.5	0.7
Q3 2017	0.6	0.7	0.6	0.6	0.6	0.4	0.5	0.3	0.7	0.7
Q4 2017	0.6	0.7	0.5	0.7	0.5	0.3	0.4	0.4	0.4	0.6
Q1 2018	0.4	0.4	0.3	0.2	0.4	0.3	0.1	0.4	-0.3	0.5
Q2 2018	0.5	0.4	0.7	0.2	0.5	0.2	0.4	0.7	0.7	1.0
Q3 2018	0.3	0.2	0.4	0.4	-0.2	-0.1	0.6	0.5	-0.6	0.9

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

Notes

1. .. denotes the data are unavailable Back to table
2. G7 is in US dollars to allow additivity between countries with differing national currencies. Back to table

Three areas included within our international comparisons saw negative growth in Quarter 3 (July to Sept) 2018, with the largest fall of 0.6% seen in Japan following an initial bounce back to 0.7% in Quarter 2 (Apr to June) 2018. Germany saw the second-largest decline of 0.2% compared with Quarter 2 2018, whilst Italy decreased 0.1% over the same period. This narrative differs from Quarter 2 2018, where all areas experienced positive growth. The strongest growth seen in this quarter was 0.9% by the USA.

European Union (EU28) economies grew by an average of 0.3% in Quarter 3 2018. This means that average GDP growth between countries in the area has been positive for 22 consecutive quarters. G7 countries saw an average of 0.4% growth in Quarter 3 2018, though it was slower than the 0.7% experienced in Quarter 2 2018. All G7 countries are above pre-economic downturn peaks except for Italy, whose GDP remains 5.1% below the pre-downturn peak (Quarter 1 (Jan to Mar) 2008).

The areas showing the biggest recoveries over this period are Canada and the USA, who are both up 19.1% since the downturn. UK GDP is now 11.7% 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 by Office for National Statistics.

9 . Links to related statistics

A number of economic statistics publications were released today, as part of the national accounts and balance of payments theme day. These include:

- the Quarterly sector accounts and Balance of payments releases
- estimates of household final consumption expenditure for the UK are available in the Consumer trends release
- details on business investment along with revision triangles and a real time database are available in the Business investment release

Release content

While 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.

Monthly GDP

On 10 December 2018 estimates of monthly GDP were published for October 2018. The Index of Services, Index of Production and Construction Output in Great Britain publications covering the period up to October 2018 are also available.

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 expenditure approach in Quarter 1 (Jan to Mar) 2017 and Quarter 2 (Apr to June) 2017.

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 3 (July to Sept) 2018 indicate that in this quarter the levels of expenditure and income are lower 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 for Quarter 1 (Jan to Mar) 2017 to Quarter 3 (July to Sept) 2018

GDP measurement approach and component adjustment applied to		Q1 2017	Q2 2017	Q3 2017	Q4 2017	Q1 2018	Q2 2018	Q3 2018
Expenditure								
Change in inventories	Current prices	-1000			500		-500	1000
	Chained volume measure	-1000			1000	300		500
Trade in Services	Current prices and Chained volume measure			200	300	300	500	1000
Income								
Private non-financial corporations GOS	Current prices	500	-500					
Financial corporations GOS	Current prices	250						
Household GOS	Current prices	250						

Source: Office for National Statistics

Notes

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

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	104.1	104.0	101.8	102.1	103.3	103.4	102.4	102.2	101.9
Seasonally adjusted									
2015 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	103.0	102.9	101.3	101.5	103.3	102.7	101.7	101.7	101.4
Q2	103.3	103.3	101.5	101.8	102.4	103.0	101.9	101.8	101.5
Q3	104.4	104.2	102.0	102.3	103.5	103.7	102.5	102.3	101.9
Q4	105.5	105.4	102.5	102.7	103.8	104.2	103.3	103.0	102.7
2018 Q1	106.1	106.2	102.5	102.8	103.8	104.3	103.5	103.5	103.3
Q2	107.1	106.9	103.0	103.2	104.3	104.8	104.0	104.1	103.6
Q3	108.2	108.2	103.6	103.8	103.6	105.7	104.9	104.5	104.2
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	4.1	4.0	1.8	2.1	3.3	3.4	2.4	2.2	1.9
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2015 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	1.2	1.3	0.4	0.4	1.2	1.2	1.1	0.8	0.9
Q2	0.4	0.4	0.3	0.3	–0.9	0.3	0.2	0.1	0.1
Q3	1.1	0.9	0.5	0.5	1.1	0.6	0.6	0.5	0.3
Q4	1.0	1.2	0.4	0.4	0.3	0.5	0.7	0.6	0.8
2018 Q1	0.6	0.7	0.1	0.1	–	0.1	0.2	0.5	0.6
Q2	1.0	0.7	0.4	0.4	0.5	0.5	0.5	0.6	0.3
Q3	1.0	1.2	0.6	0.6	–0.7	0.8	0.8	0.4	0.6
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2015 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	4.5	4.5	1.8	2.4	4.6	4.0	2.4	2.6	2.0
Q2	4.0	3.9	1.9	2.2	3.5	3.6	2.0	2.0	1.7
Q3	4.2	3.8	2.0	2.1	3.3	3.4	2.4	2.2	1.7
Q4	3.7	3.7	1.6	1.6	1.7	2.7	2.7	2.0	2.1
2018 Q1	3.0	3.1	1.3	1.2	0.4	1.6	1.8	1.8	1.9
Q2	3.7	3.5	1.4	1.4	1.9	1.7	2.1	2.2	2.0
Q3	3.6	3.8	1.5	1.5	0.1	1.9	2.3	2.1	2.3

1 Estimates cannot be regarded as accurate to the last digit shown.
2 The growth rates are calculated from the £m series and due to the rounded nature of the index series the growth rates cannot be replicated.
3 Based on the sum of expenditure components of GDP at current prices and in chained volume terms.

A2 National accounts aggregates[1]

£ million

	Current prices					Chained Volume Measures (Reference year 2016)			
	Gross national income at market prices	Net income from abroad[2]	Gross domestic product at market prices	less Basic price adjustment[3]	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment[3]	Gross value added at basic prices	Gross value added excluding oil & gas[4]
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
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	2 026 058	–23 571	2 049 629	223 756	1 825 873	2 005 427	213 165	1 792 262	1 779 831
Seasonally adjusted									
2015 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	502 823	–4 206	507 028	55 076	451 952	498 582	52 979	445 603	442 478
Q2	501 504	–7 364	508 869	55 297	453 572	499 885	53 144	446 741	443 583
Q3	508 916	–5 342	514 258	56 810	457 448	502 473	53 425	449 048	445 876
Q4	512 815	–6 659	519 474	56 573	462 901	504 487	53 617	450 870	447 894
2018 Q1	515 366	–7 019	522 384	56 293	466 091	504 829	53 694	451 135	448 006
Q2	520 008	–7 470	527 479	58 172	469 307	506 928	53 919	453 009	449 883
Q3	521 840	–11 105	532 945	58 104	474 841	510 013	54 266	455 747	452 594
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	5.5		4.1		4.0	1.8		2.1	2.1
Percentage change, latest quarter on previous quarter									
	KH75		IHYN		KGL8	IHYQ		KGM9	
2015 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	2.4		1.2		1.3	0.4		0.4	0.4
Q2	–0.3		0.4		0.4	0.3		0.3	0.2
Q3	1.5		1.1		0.9	0.5		0.5	0.5
Q4	0.8		1.0		1.2	0.4		0.4	0.5
2018 Q1	0.5		0.6		0.7	0.1		0.1	–
Q2	0.9		1.0		0.7	0.4		0.4	0.4
Q3	0.4		1.0		1.2	0.6		0.6	0.6
Percentage change, latest quarter on corresponding quarter of previous year									
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9
2015 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	6.8		4.5		4.5	1.8		2.4	2.4
Q2	5.5		4.0		3.9	1.9		2.2	2.2
Q3	5.4		4.2		3.8	2.0		2.1	2.1
Q4	4.4		3.7		3.7	1.6		1.6	1.6
2018 Q1	2.5		3.0		3.1	1.3		1.2	1.2
Q2	3.7		3.7		3.5	1.4		1.4	1.4
Q3	2.5		3.6		3.8	1.5		1.5	1.5

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.
2 Includes employment, entrepreneurial and property income.
3 Taxes on products less subsidies.
4 Calculated by using gross value added at basic prices minus extraction of crude petroleum and natural gas

B1 Gross value added at chained volume measures basic prices, by category of output[1,2]

2016 = 100

		Production						Service industries						
	Agri-culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu-facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr-uction	Distri-bution, hotels & restaura-nts	Transport storage and commu-nications	Business services and finance	Govern-ment and other services	Total	Gross value added[4]	Gross value added excluding oil & gas
2016 Weights[3]	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	103.0	99.4	102.5	98.4	103.4	101.8	107.1	102.2	104.9	102.2	100.6	102.1	102.1	102.1
Seasonally adjusted														
2015 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	102.2	99.4	101.5	96.9	104.3	101.0	106.5	101.7	103.3	101.6	100.5	101.5	101.5	101.5
Q2	102.8	100.9	101.6	97.8	103.4	101.2	106.7	102.0	104.5	101.8	100.7	101.9	101.8	101.8
Q3	103.5	101.0	102.7	99.9	102.9	102.2	107.4	102.5	105.2	102.4	100.7	102.3	102.3	102.3
Q4	103.3	96.4	104.2	99.2	102.9	102.9	107.7	102.7	106.6	102.8	100.4	102.6	102.7	102.8
2018 Q1	101.6	99.0	104.0	100.8	100.6	103.0	106.1	103.0	106.4	103.4	100.7	103.0	102.8	102.8
Q2	101.6	100.0	103.6	96.8	101.3	102.3	106.6	104.7	107.7	103.6	100.8	103.6	103.2	103.2
Q3	101.9	101.5	104.1	98.1	102.1	103.0	109.1	105.7	109.4	104.0	100.8	104.1	103.8	103.8
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	3.0	–0.6	2.5	–1.6	3.4	1.8	7.1	2.2	4.9	2.2	0.6	2.1	2.1	2.1
Percentage change, latest quarter on previous quarter														
													KGM9	
2015 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	2.1	2.6	0.5	–3.9	3.1	0.3	3.2	–0.2	0.4	0.8	0.5	0.5	0.4	0.4
Q2	0.6	1.5	0.1	0.9	–0.8	0.3	0.2	0.3	1.2	0.2	0.3	0.4	0.3	0.2
Q3	0.6	0.1	1.1	2.2	–0.5	1.0	0.7	0.5	0.7	0.6	–0.1	0.4	0.5	0.5
Q4	–0.1	–4.5	1.5	–0.8	–	0.6	0.3	0.2	1.3	0.4	–0.3	0.3	0.4	0.5
2018 Q1	–1.6	2.7	–0.2	1.7	–2.2	0.1	–1.6	0.2	–0.2	0.5	0.2	0.3	0.1	–
Q2	–	1.0	–0.4	–4.0	0.6	–0.7	0.5	1.7	1.3	0.2	0.2	0.6	0.4	0.4
Q3	0.3	1.5	0.4	1.4	0.9	0.6	2.3	0.9	1.5	0.4	–	0.5	0.6	0.6
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 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	1.5	1.6	2.5	–1.2	6.7	2.3	9.2	3.0	5.4	2.3	0.2	2.2	2.4	2.4
Q2	3.2	0.9	1.4	–4.6	2.9	0.7	7.6	2.7	6.4	2.2	0.8	2.5	2.2	2.2
Q3	4.0	–4.0	3.0	1.4	2.3	2.2	7.1	2.4	4.2	2.1	0.8	2.1	2.1	2.1
Q4	3.2	–0.5	3.2	–1.7	1.7	2.2	4.5	0.8	3.7	2.0	0.4	1.6	1.6	1.6
2018 Q1	–0.6	–0.4	2.5	4.0	–3.5	2.0	–0.4	1.3	3.0	1.8	0.2	1.4	1.2	1.2
Q2	–1.2	–0.9	2.0	–1.0	–2.1	1.1	–0.1	2.7	3.1	1.8	0.1	1.6	1.4	1.4
Q3	–1.5	0.5	1.3	–1.8	–0.7	0.7	1.6	3.1	4.0	1.5	0.1	1.7	1.5	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 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 Weights[3]	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	102.1	104.9	102.8	100.2	101.0	104.6	100.2	100.6	99.7	102.6	102.1
Seasonally adjusted											
2015 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	101.4	103.3	102.7	101.2	100.5	103.1	99.8	100.9	99.7	102.0	101.5
Q2	101.8	104.5	102.6	100.5	101.0	103.4	100.3	100.5	100.0	103.1	101.9
Q3	102.4	105.2	102.9	99.9	101.3	105.1	100.1	100.5	99.7	103.4	102.3
Q4	102.7	106.6	102.8	99.3	101.3	106.6	100.5	100.4	99.6	101.8	102.6
2018 Q1	102.8	106.4	103.6	99.4	101.6	107.7	100.6	100.5	99.9	102.5	103.0
Q2	104.5	107.7	105.4	99.1	101.5	108.6	100.9	100.8	99.7	102.7	103.6
Q3	105.6	109.4	106.1	99.0	101.5	109.6	101.1	100.7	99.8	102.5	104.1
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	2.1	4.9	2.8	0.2	1.0	4.6	0.2	0.6	–0.3	2.6	2.1
Percentage change, latest quarter on previous quarter											
2015 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	–0.6	0.4	1.2	0.5	0.6	1.3	–	0.9	–	1.4	0.5
Q2	0.4	1.2	–0.1	–0.7	0.6	0.3	0.4	–0.4	0.2	1.1	0.4
Q3	0.6	0.7	0.2	–0.6	0.3	1.6	–0.2	–	–0.3	0.3	0.4
Q4	0.3	1.3	–	–0.6	0.1	1.4	0.4	–0.1	–0.1	–1.5	0.3
2018 Q1	0.1	–0.2	0.7	0.1	0.3	1.0	0.1	–	0.3	0.6	0.3
Q2	1.7	1.3	1.7	–0.2	–0.1	0.8	0.3	0.3	–0.1	0.2	0.6
Q3	1.0	1.5	0.7	–0.1	–	1.0	0.1	–0.2	0.1	–0.2	0.5
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KII2	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2015 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	2.8	5.4	3.6	2.6	–	4.7	–0.6	0.4	–0.4	2.0	2.2
Q2	2.6	6.4	3.4	1.1	1.1	4.1	0.5	0.7	–0.1	3.4	2.5
Q3	2.3	4.2	2.8	–1.3	1.6	4.7	0.3	0.8	–0.4	3.7	2.1
Q4	0.7	3.7	1.4	–1.5	1.5	4.7	0.7	0.5	–0.2	1.2	1.6
2018 Q1	1.4	3.0	0.8	–1.8	1.2	4.5	0.7	–0.4	0.1	0.5	1.4
Q2	2.7	3.1	2.7	–1.4	0.5	5.0	0.6	0.3	–0.2	–0.4	1.6
Q3	3.1	4.0	3.1	–0.9	0.2	4.3	0.9	0.1	0.1	–0.9	1.7

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 prices[1]

£ million

	National expenditure on goods and services at market prices														
	Final consumption expenditure			Gross capital formation											
	Households	Non-profit institutions [2]	General government	Gross fixed capital formation	Of which business investment[3]	Changes in inventories[4]	Of which alignment adjustment	Acquisitions less disposals of valuables[5]	Total	Total exports	Gross final expenditure	less Total imports	Trade balance[6]	Statistical discrepancy (expenditure)	**Gross domestic product at market prices**
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA
2014	1 142 350	56 259	357 101	305 747	175 594	12 565	–	–52	1 873 970	520 292	2 394 262	549 967	–29 675	–	1 844 295
2015	1 178 915	56 566	361 028	319 432	184 620	7 046	–	–164	1 922 823	519 610	2 442 433	546 594	–26 984	–	1 895 839
2016	1 235 247	57 343	367 974	331 442	187 032	8 556	–	–151	2 000 411	556 961	2 557 372	587 848	–30 887	–	1 969 524
2017	1 288 984	57 986	375 219	351 293	194 886	1 604	–	359	2 075 445	617 539	2 692 984	641 472	–23 933	–1 883	2 049 629
Seasonally adjusted															
2015 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	318 968	14 476	93 048	85 579	47 313	2 217	1 089	–588	513 700	151 463	665 163	158 146	–6 683	11	507 028
Q2	320 806	14 510	93 403	87 658	48 614	–550	–1 609	210	516 037	153 044	669 081	160 009	–6 965	–203	508 869
Q3	322 838	14 495	93 895	88 394	49 174	563	639	97	520 282	156 229	676 511	161 594	–5 365	–659	514 258
Q4	326 372	14 505	94 873	89 662	49 785	–626	–119	640	525 426	156 803	682 229	161 723	–4 920	–1 032	519 474
2018 Q1	330 563	14 503	95 583	89 662	49 663	–2 434	–2 006	314	528 191	155 555	683 746	160 594	–5 039	–768	522 384
Q2	333 367	14 492	96 124	88 869	49 408	1 311	1 390	1 182	535 345	156 747	692 092	163 755	–7 008	–858	527 479
Q3	336 965	14 538	96 737	90 171	49 316	3 248	2 011	812	542 471	158 605	701 076	167 388	–8 783	–743	532 945
Percentage change, latest year on previous year															
	KGY7	KGZ8	KH2C	KG6O	KG6N				KGX3	KH2O	KGV7	KH3H			IHYM
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	4.4	1.1	2.0	6.0	4.2				3.8	10.9	5.3	9.1			4.1
Percentage change, latest quarter on previous quarter															
	KGY8	KGZ9	KH2D	KG6W	KG6V				KGX4	KH2P	KGV8	KH3I			IHYN
2015 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	1.5	0.1	0.3	1.5	0.9				1.7	0.3	1.4	1.8			1.2
Q2	0.6	0.2	0.4	2.4	2.7				0.5	1.0	0.6	1.2			0.4
Q3	0.6	–0.1	0.5	0.8	1.2				0.8	2.1	1.1	1.0			1.1
Q4	1.1	0.1	1.0	1.4	1.2				1.0	0.4	0.8	0.1			1.0
2018 Q1	1.3	–	0.7	–	–0.2				0.5	–0.8	0.2	–0.7			0.6
Q2	0.8	–0.1	0.6	–0.9	–0.5				1.4	0.8	1.2	2.0			1.0
Q3	1.1	0.3	0.6	1.5	–0.2				1.3	1.2	1.3	2.2			1.0
Percentage change, latest quarter on corresponding quarter of previous year															
	KGY9	KH22	KH2E	KG76	KG75				KGX5	KH2Q	KGV9	KH3J			IHYO
2015 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	5.2	1.8	1.6	6.1	3.2				4.4	15.3	6.7	14.5			4.5
Q2	4.5	1.6	2.0	6.3	4.1				4.1	12.5	5.9	12.5			4.0
Q3	3.8	0.9	2.0	5.2	3.3				2.5	12.8	4.7	6.2			4.2
Q4	3.9	0.3	2.3	6.3	6.1				4.0	3.8	4.0	4.1			3.7
2018 Q1	3.6	0.2	2.7	4.8	5.0				2.8	2.7	2.8	1.5			3.0
Q2	3.9	–0.1	2.9	1.4	1.6				3.7	2.4	3.4	2.3			3.7
Q3	4.4	0.3	3.0	2.0	0.3				4.3	1.5	3.6	3.6			3.6

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.
2 Non-profit institutions serving households.
3 A further breakdown of business investment can be found in the 'Business investment in the UK' bulletin.
4 Quarterly alignment adjustment included in this series.
5 Acquisitions less disposals of valuables can be a volatile series due to the inclusion of non-monetary gold, but any volatility is likely to be GDP neutral as this is offset in UK trade figures.
6 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 measures[1]

Reference year 2016, £ million

	National expenditure on goods and services at market prices														
	Final consumption expenditure			Gross capital formation											
	Households	Non-profit institutions [2]	General government[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	Total exports	Gross final expenditure	less Total imports	Trade balance[6]	Statistical discrepancy (expenditure)	**Gross domestic product at market prices**
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI
2014	1 165 059	57 035	360 149	313 472	180 608	14 477	–1	–97	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	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	2 000 411	556 961	2 557 372	587 848	–30 887	–	1 969 524
2017	1 262 271	57 162	367 267	342 917	189 877	–2 377	–	291	2 027 531	588 217	2 615 748	608 487	–20 270	–1 834	2 005 427
Seasonally adjusted															
2015 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	91 968	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	313 584	14 351	91 427	84 265	46 762	2 121	1 070	–561	505 187	144 273	649 460	150 889	–6 616	11	498 582
Q2	314 804	14 334	91 876	85 868	47 365	–784	–1 580	175	506 273	146 067	652 340	152 256	–6 189	–199	499 885
Q3	316 397	14 248	91 969	86 111	47 779	–1 464	625	96	507 357	148 859	656 216	153 099	–4 240	–644	502 473
Q4	317 486	14 229	91 995	86 673	47 971	–2 250	–115	581	508 714	149 018	657 732	152 243	–3 225	–1 002	504 487
2018 Q1	318 604	14 151	92 121	86 144	47 634	–1 079	–1 937	266	510 207	147 294	657 501	151 930	–4 636	–742	504 829
Q2	320 350	14 035	91 863	85 417	47 453	1 871	1 337	1 051	514 587	145 298	659 885	152 132	–6 834	–825	506 928
Q3	322 071	14 008	91 629	85 843	46 913	2 955	1 923	718	517 224	146 875	664 099	153 375	–6 500	–711	510 013
Percentage change, latest year on previous year															
	KGZ5	KH26	KH2I	KG7N	KG7M				KGX9	KH2U	KGW5	KH3N			IHYP
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	2.2	–0.3	–0.2	3.5	1.5				1.4	5.6	2.3	3.5			1.8
Percentage change, latest quarter on previous quarter															
	KGZ6	KH27	KH2J	KG7Q	KG7P				KGY2	KH2V	KGW6	KH3O			IHYQ
2015 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	0.7	–0.4	–0.6	1.0	–0.2				0.6	0.2	0.5	0.9			0.4
Q2	0.4	–0.1	0.5	1.9	1.3				0.2	1.2	0.4	0.9			0.3
Q3	0.5	–0.6	0.1	0.3	0.9				0.2	1.9	0.6	0.6			0.5
Q4	0.3	–0.1	–	0.7	0.4				0.3	0.1	0.2	–0.6			0.4
2018 Q1	0.4	–0.5	0.1	–0.6	–0.7				0.3	–1.2	–	–0.2			0.1
Q2	0.5	–0.8	–0.3	–0.8	–0.4				0.9	–1.4	0.4	0.1			0.4
Q3	0.5	–0.2	–0.3	0.5	–1.1				0.5	1.1	0.6	0.8			0.6
Percentage change, latest quarter on corresponding quarter of previous year															
	KGZ7	KH28	KH2K	KG7T	KG7S				KGY3	KH2W	KGW7	KH3P			IHYR
2015 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	2.8	0.7	–0.7	3.5	1.2				2.0	4.4	2.5	4.8			1.8
Q2	2.3	–0.1	–0.1	3.8	1.6				2.1	4.7	2.7	5.1			1.9
Q3	1.6	–0.6	–	2.6	0.9				0.1	10.2	2.2	2.5			2.0
Q4	2.0	–1.2	–	3.9	2.4				1.3	3.5	1.8	1.8			1.6
2018 Q1	1.6	–1.4	0.8	2.2	1.9				1.0	2.1	1.2	0.7			1.3
Q2	1.8	–2.1	–	–0.5	0.2				1.6	–0.5	1.2	–0.1			1.4
Q3	1.8	–1.7	–0.4	–0.3	–1.8				1.9	–1.3	1.2	0.2			1.5

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.
2 Non-profit institutions serving households.
3 A further breakdown of business investment can be found in the 'Business investment in the UK' bulletin.
4 Quarterly alignment adjustment included in this series.
5 Acquisitions less disposals of valuables can be a volatile series due to the inclusion of non-monetary gold, but any volatility is likely to be GDP neutral as this is offset in UK trade figures.
6 Trade balance is calculated by using exports of goods and services minus imports of goods and services.
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 prices[1]

£ million

	Compensation of employees	Gross operating surplus of corporations: Private non-financial corporations[2]	Gross operating surplus of corporations: Of which alignment adjustment	Gross operating surplus of corporations: Financial corporations	Gross operating surplus of corporations: Public corporations	Gross operating surplus of 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	1 003 937	369 871	–	61 705	16 660	448 236	338 295	1 790 468	251 970	7 191	2 049 629
Seasonally adjusted											
2015 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	246 675	94 621	2 574	15 450	3 971	114 042	84 194	444 911	61 030	1 087	507 028
Q2	250 400	89 558	–2 507	15 252	4 752	109 562	84 423	444 385	62 825	1 659	508 869
Q3	252 155	91 917	–689	14 876	4 365	111 158	84 587	447 900	64 252	2 106	514 258
Q4	254 707	93 775	622	16 127	3 572	113 474	85 091	453 272	63 863	2 339	519 474
2018 Q1	257 222	96 536	1 771	13 918	2 712	113 166	86 271	456 659	63 234	2 491	522 384
Q2	259 162	95 427	–820	14 715	2 766	112 908	87 292	459 362	65 594	2 523	527 479
Q3	262 866	97 050	319	13 312	2 605	112 967	89 170	465 003	65 342	2 600	532 945
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	4.2	3.4		8.3	–5.5	3.7	1.3	3.5	5.0		4.1
Percentage change, latest quarter on previous quarter											
	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2015 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	0.8	0.9		15.3	–8.2	2.2	0.7	1.2	–0.3		1.2
Q2	1.5	–5.4		–1.3	19.7	–3.9	0.3	–0.1	2.9		0.4
Q3	0.7	2.6		–2.5	–8.1	1.5	0.2	0.8	2.3		1.1
Q4	1.0	2.0		8.4	–18.2	2.1	0.6	1.2	–0.6		1.0
2018 Q1	1.0	2.9		–13.7	–24.1	–0.3	1.4	0.7	–1.0		0.6
Q2	0.8	–1.1		5.7	2.0	–0.2	1.2	0.6	3.7		1.0
Q3	1.4	1.7		–9.5	–5.8	0.1	2.2	1.2	–0.4		1.0
Percentage change, latest quarter on corresponding quarter of previous year											
	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2015 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	5.7	2.0		13.3	1.1	3.3	1.9	4.4	3.4		4.5
Q2	4.2	4.0		6.2	–3.9	3.9	0.6	3.4	5.1		4.0
Q3	2.9	8.2		–4.5	–1.4	5.9	1.0	3.2	7.3		4.2
Q4	4.1	–		20.4	–17.4	1.7	1.8	3.1	4.3		3.7
2018 Q1	4.3	2.0		–9.9	–31.7	–0.8	2.5	2.6	3.6		3.0
Q2	3.5	6.6		–3.5	–41.8	3.1	3.4	3.4	4.4		3.7
Q3	4.2	5.6		–10.5	–40.3	1.6	5.4	3.8	1.7		3.6

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]												
	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Commu-nication	Recreati-on & culture	Education	Restau-rants & hotels	Miscell-aneous
COICOP[1]	-	-	0	01	02	03	04	05	06	07	08	09	10	11	12
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
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	1 288 984	13 428	1 275 556	104 018	42 633	70 237	340 631	66 300	24 782	168 592	24 804	125 005	22 902	122 683	162 969
Seasonally adjusted															
2015 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	318 968	3 477	315 491	25 415	10 463	17 212	83 834	15 911	5 896	42 905	6 098	31 045	5 681	30 260	40 771
Q2	320 806	3 237	317 569	25 861	10 722	17 557	84 850	16 468	6 207	41 190	6 186	31 169	5 710	30 593	41 056
Q3	322 838	3 250	319 588	26 192	10 691	17 762	85 693	16 892	6 273	41 878	6 269	31 258	5 741	30 895	40 044
Q4	326 372	3 464	322 908	26 550	10 757	17 706	86 254	17 029	6 406	42 619	6 251	31 533	5 770	30 935	41 098
2018 Q1	330 563	3 666	326 897	26 748	10 831	17 770	87 110	17 700	6 671	43 167	6 158	31 686	5 802	30 896	42 358
Q2	333 367	3 854	329 513	26 835	11 042	17 897	86 837	18 063	6 908	43 736	6 200	32 018	5 833	31 100	43 044
Q3	336 965	3 956	333 009	26 977	11 071	18 068	87 782	18 410	6 963	43 606	6 247	32 574	5 864	31 405	44 042
Percentage change, latest year on previous year															
	KGY7		KG6U	KG9N	KGF3	KGF9	KGG7	KGH5	KGI6	KGJ4	KGK2	KGK8	KGB2	KGC6	KGE2
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	4.4		4.4	5.3	2.5	6.2	3.1	10.7	12.2	2.8	3.4	4.9	1.6	5.4	3.8
Percentage change, quarter on previous quarter															
	KGY8		KG74	KG9R	KGF4	KGG2	KGG8	KGH6	KGI7	KGJ5	KGK3	KGK9	KGB3	KGC7	KGE3
2015 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	1.5		1.6	2.2	1.0	1.8	0.4	1.6	5.0	3.4	0.1	2.6	0.5	1.6	0.8
Q2	0.6		0.7	1.8	2.5	2.0	1.2	3.5	5.3	–4.0	1.4	0.4	0.5	1.1	0.7
Q3	0.6		0.6	1.3	–0.3	1.2	1.0	2.6	1.1	1.7	1.3	0.3	0.5	1.0	–2.5
Q4	1.1		1.0	1.4	0.6	–0.3	0.7	0.8	2.1	1.8	–0.3	0.9	0.5	0.1	2.6
2018 Q1	1.3		1.2	0.7	0.7	0.4	1.0	3.9	4.1	1.3	–1.5	0.5	0.6	–0.1	3.1
Q2	0.8		0.8	0.3	1.9	0.7	–0.3	2.1	3.6	1.3	0.7	1.0	0.5	0.7	1.6
Q3	1.1		1.1	0.5	0.3	1.0	1.1	1.9	0.8	–0.3	0.8	1.7	0.5	1.0	2.3
Percentage change, quarter on corresponding quarter of previous year															
	KGY9		KG7C	KG9V	KGF5	KGG3	KGG9	KGH7	KGI8	KGJ6	KGK4	KGL2	KGB4	KGC8	KGE4
2015 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	5.2		5.0	3.3	1.5	4.5	2.5	10.1	7.2	5.9	3.8	7.0	1.3	6.8	7.6
Q2	4.5		4.6	5.7	2.5	8.3	2.8	11.7	13.7	0.9	4.3	5.1	1.7	5.6	6.0
Q3	3.8		4.1	5.3	2.1	7.3	4.0	12.4	13.6	1.6	2.8	3.5	1.3	5.5	0.5
Q4	3.9		4.0	6.8	3.9	4.7	3.3	8.7	14.1	2.7	2.7	4.2	2.1	3.9	1.6
2018 Q1	3.6		3.6	5.2	3.5	3.2	3.9	11.2	13.1	0.6	1.0	2.1	2.1	2.1	3.9
Q2	3.9		3.8	3.8	3.0	1.9	2.3	9.7	11.3	6.2	0.2	2.7	2.2	1.7	4.8
Q3	4.4		4.2	3.0	3.6	1.7	2.4	9.0	11.0	4.1	–0.4	4.2	2.1	1.7	10.0

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.

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

£ million

	UK NATIONAL[2]							
			UK DOMESTIC[3]					
				Goods				
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP[1]					D	SD	ND	S
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
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	1 288 984	13 428	1 275 556	533 793	134 020	132 597	267 176	741 763
Seasonally adjusted								
2015 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	318 968	3 477	315 491	131 417	33 500	32 409	65 508	184 074
Q2	320 806	3 237	317 569	132 023	32 663	32 987	66 373	185 546
Q3	322 838	3 250	319 588	134 225	33 817	33 394	67 014	185 363
Q4	326 372	3 464	322 908	136 128	34 040	33 807	68 281	186 780
2018 Q1	330 563	3 666	326 897	137 711	34 670	33 785	69 256	189 186
Q2	333 367	3 854	329 513	138 326	35 060	34 069	69 197	191 187
Q3	336 965	3 956	333 009	139 767	34 792	34 676	70 299	193 242
Percentage change, latest year on previous year								
	KGY7		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	4.4		4.4	6.2	7.3	7.4	5.0	3.2
Percentage change, quarter on previous quarter								
	KGY8		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2015 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	1.5		1.6	2.9	5.4	3.6	1.3	0.7
Q2	0.6		0.7	0.5	–2.5	1.8	1.3	0.8
Q3	0.6		0.6	1.7	3.5	1.2	1.0	–0.1
Q4	1.1		1.0	1.4	0.7	1.2	1.9	0.8
2018 Q1	1.3		1.2	1.2	1.9	–0.1	1.4	1.3
Q2	0.8		0.8	0.4	1.1	0.8	–0.1	1.1
Q3	1.1		1.1	1.0	–0.8	1.8	1.6	1.1
Percentage change, quarter on corresponding quarter of previous year								
	KGY9		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2015 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	5.2		5.0	5.7	9.4	5.5	4.0	4.5
Q2	4.5		4.6	5.7	5.1	7.8	4.9	3.8
Q3	3.8		4.1	6.7	7.6	8.1	5.5	2.2
Q4	3.9		4.0	6.6	7.1	8.1	5.6	2.1
2018 Q1	3.6		3.6	4.8	3.5	4.2	5.7	2.8
Q2	3.9		3.8	4.8	7.3	3.3	4.3	3.0
Q3	4.4		4.2	4.1	2.9	3.8	4.9	4.3

1 ESA 10 Classification of Individual Consumption by Purpose.
2 Final Consumption by UK Households in the UK & abroad.
3 Final consumption expenditure in the UK by UK & foreign households.

E3 Household final consumption expenditure by purpose Chained volume measures

Reference year 2016, £ million

	UK NATIONAL[2]														
			UK DOMESTIC[3]												
	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Commu-nication	Recreati-on & culture	Education	Restau-rants & hotels	Miscell-aneous
COICOP[1]	-	-	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	1 262 271	11 416	1 250 855	101 624	40 872	68 273	334 671	64 344	24 236	164 619	24 376	122 723	22 053	119 092	163 972
Seasonally adjusted															
2015 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	313 584	2 778	310 806	25 178	10 205	16 952	82 905	15 632	5 822	41 860	6 033	30 648	5 512	29 482	40 577
Q2	314 804	2 789	312 015	25 343	10 306	17 071	83 549	16 067	6 073	40 354	6 114	30 648	5 539	29 809	41 142
Q3	316 397	2 830	313 567	25 531	10 193	17 121	83 972	16 228	6 128	41 181	6 122	30 645	5 556	29 944	40 946
Q4	317 486	3 019	314 467	25 572	10 168	17 129	84 245	16 417	6 213	41 224	6 107	30 782	5 446	29 857	41 307
2018 Q1	318 604	3 236	315 368	25 666	10 057	17 053	84 774	16 881	6 482	41 183	6 080	30 698	5 478	29 386	41 630
Q2	320 350	3 507	316 843	25 717	10 212	17 235	84 219	17 168	6 657	41 544	6 079	30 843	5 508	29 507	42 154
Q3	322 071	3 680	318 391	25 740	10 140	17 455	84 577	17 522	6 707	40 947	6 035	31 127	5 517	29 616	43 008
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	2.2		2.4	2.8	–1.7	3.2	1.3	7.5	9.7	0.3	1.6	3.0	–2.2	2.3	4.5
Percentage change, quarter on previous quarter															
	KGZ6		KG7R	KGA3	KGF7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9
2015 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	0.7		0.8	1.1	–	0.5	–0.2	0.4	5.0	2.1	–	1.3	0.5	–0.1	1.5
Q2	0.4		0.4	0.7	1.0	0.7	0.8	2.8	4.3	–3.6	1.3	–	0.5	1.1	1.4
Q3	0.5		0.5	0.7	–1.1	0.3	0.5	1.0	0.9	2.0	0.1	–	0.3	0.5	–0.5
Q4	0.3		0.3	0.2	–0.2	–	0.3	1.2	1.4	0.1	–0.2	0.4	–2.0	–0.3	0.9
2018 Q1	0.4		0.3	0.4	–1.1	–0.4	0.6	2.8	4.3	–0.1	–0.4	–0.3	0.6	–1.6	0.8
Q2	0.5		0.5	0.2	1.5	1.1	–0.7	1.7	2.7	0.9	–	0.5	0.5	0.4	1.3
Q3	0.5		0.5	0.1	–0.7	1.3	0.4	2.1	0.8	–1.4	–0.7	0.9	0.2	0.4	2.0
Percentage change, quarter on corresponding quarter of previous year															
	KGZ7		KG7U	KGA6	KGF8	KGG6	KGH4	KGI2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGF2
2015 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	2.8		2.9	2.8	–2.1	3.4	0.7	8.5	5.7	2.5	1.3	5.1	–3.0	3.1	6.6
Q2	2.3		2.6	3.5	–2.3	4.9	1.0	8.7	11.0	–1.2	2.7	3.4	–2.6	2.6	6.5
Q3	1.6		2.0	2.4	–2.0	3.2	2.3	7.4	10.0	–0.5	1.2	1.9	–2.4	2.6	1.6
Q4	2.0		1.9	2.7	–0.4	1.5	1.4	5.4	12.0	0.6	1.2	1.7	–0.7	1.1	3.3
2018 Q1	1.6		1.5	1.9	–1.5	0.6	2.3	8.0	11.3	–1.6	0.8	0.2	–0.6	–0.3	2.6
Q2	1.8		1.5	1.5	–0.9	1.0	0.8	6.9	9.6	2.9	–0.6	0.6	–0.6	–1.0	2.5
Q3	1.8		1.5	0.8	–0.5	2.0	0.7	8.0	9.4	–0.6	–1.4	1.6	–0.7	–1.1	5.0

1 ESA 10 Classification of Individual Consumption by Purpose.
2 Final consumption expenditure by UK households in the UK & abroad.
3 Final consumption expenditure in the UK by UK & foreign households.

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

Reference year 2016, £ million

	UK NATIONAL[2]							
			UK DOMESTIC[3]					
				Goods				
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP[1]					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
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	1 262 271	11 416	1 250 855	519 488	130 334	129 739	259 415	731 367
Seasonally adjusted								
2015 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	313 584	2 778	310 806	128 978	32 958	31 957	64 063	181 828
Q2	314 804	2 789	312 015	128 931	31 748	32 410	64 773	183 084
Q3	316 397	2 830	313 567	130 217	32 646	32 541	65 030	183 350
Q4	317 486	3 019	314 467	131 362	32 982	32 831	65 549	183 105
2018 Q1	318 604	3 236	315 368	131 594	33 149	32 662	65 783	183 774
Q2	320 350	3 507	316 843	131 987	33 508	32 972	65 507	184 856
Q3	322 071	3 680	318 391	132 434	33 281	33 361	65 792	185 957
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	2.2		2.4	3.3	4.3	5.1	2.0	1.7
Percentage change, quarter on previous quarter								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2015 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	0.7		0.8	1.2	3.3	2.1	–0.3	0.4
Q2	0.4		0.4	–	–3.7	1.4	1.1	0.7
Q3	0.5		0.5	1.0	2.8	0.4	0.4	0.1
Q4	0.3		0.3	0.9	1.0	0.9	0.8	–0.1
2018 Q1	0.4		0.3	0.2	0.5	–0.5	0.4	0.4
Q2	0.5		0.5	0.3	1.1	0.9	–0.4	0.6
Q3	0.5		0.5	0.3	–0.7	1.2	0.4	0.6
Percentage change, quarter on corresponding quarter of previous year								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2015 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	2.8		2.9	3.8	8.6	4.5	1.2	2.4
Q2	2.3		2.6	3.1	2.3	5.8	2.1	2.3
Q3	1.6		2.0	3.3	3.3	5.0	2.5	1.1
Q4	2.0		1.9	3.1	3.4	4.9	2.0	1.2
2018 Q1	1.6		1.5	2.0	0.6	2.2	2.7	1.1
Q2	1.8		1.5	2.4	5.5	1.7	1.1	1.0
Q3	1.8		1.5	1.7	1.9	2.5	1.2	1.4

1 ESA 10 Classification of Individual Consumption by Purpose.
2 Final consumption expenditure by UK households in the UK & abroad.
3 Final consumption expenditure in the UK by UK & foreign households.

F1 Gross fixed capital formation by sector and type of asset
Current prices

£ million

	Analysis by sector							Analysis by asset					
			Public corporations[2]		Private Sector								
	Business investment[1]	General government	Dwellings[4]	Costs of transfer of ownership of non-produced assets	Dwellings[4]	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	Other machinery and equipment[3]	Dwellings[4]	Other buildings and structures[5]	Intellectual Property Products	**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	194 886	55 093	8 412	773	73 987	18 142	351 293	22 768	66 065	82 400	117 206	62 854	351 293
Seasonally adjusted													
2015 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	47 313	13 404	2 169	165	18 017	4 511	85 579	5 862	15 446	20 203	28 938	15 130	85 579
Q2	48 614	13 995	2 317	223	18 050	4 459	87 658	6 119	16 666	20 346	29 009	15 518	87 658
Q3	49 174	13 793	2 164	195	18 453	4 615	88 394	5 650	16 658	20 591	29 594	15 901	88 394
Q4	49 785	13 901	1 762	190	19 467	4 557	89 662	5 137	17 295	21 260	29 665	16 305	89 662
2018 Q1	49 663	13 927	1 507	171	19 891	4 503	89 662	5 710	16 566	21 398	29 499	16 489	89 662
Q2	49 408	13 425	1 015	212	20 464	4 345	88 869	5 083	16 214	21 479	29 618	16 475	88 869
Q3	49 316	14 237	1 070	192	20 876	4 480	90 171	4 591	16 370	21 946	30 668	16 596	90 171
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	4.2	5.7	0.1	6.5	11.8	6.6	6.0	–11.9	7.2	10.5	7.8	3.6	6.0
Percentage change, latest quarter on previous quarter													
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W
2015 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	0.9	–	1.4	–7.8	3.7	3.7	1.5	–3.2	–0.8	3.6	3.9	–1.5	1.5
Q2	2.7	4.4	6.8	35.2	0.2	–1.2	2.4	4.4	7.9	0.7	0.2	2.6	2.4
Q3	1.2	–1.4	–6.6	–12.6	2.2	3.5	0.8	–7.7	–	1.2	2.0	2.5	0.8
Q4	1.2	0.8	–18.6	–2.6	5.5	–1.3	1.4	–9.1	3.8	3.2	0.2	2.5	1.4
2018 Q1	–0.2	0.2	–14.5	–10.0	2.2	–1.2	–	11.2	–4.2	0.6	–0.6	1.1	–
Q2	–0.5	–3.6	–32.6	24.0	2.9	–3.5	–0.9	–11.0	–2.1	0.4	0.4	–0.1	–0.9
Q3	–0.2	6.0	5.4	–9.4	2.0	3.1	1.5	–9.7	1.0	2.2	3.5	0.7	1.5
Percentage change, latest quarter on corresponding quarter of previous year													
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76
2015 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	3.2	10.5	6.0	10.0	12.8	–0.3	6.1	–6.7	3.7	12.1	9.1	1.2	6.1
Q2	4.1	6.7	10.1	–2.6	11.4	9.0	6.3	–3.6	5.5	11.1	8.2	2.4	6.3
Q3	3.3	2.5	2.3	16.1	11.0	14.1	5.2	–21.2	8.5	9.9	7.5	4.6	5.2
Q4	6.1	3.7	–17.6	6.1	12.1	4.7	6.3	–15.1	11.0	9.0	6.5	6.1	6.3
2018 Q1	5.0	3.9	–30.5	3.6	10.4	–0.2	4.8	–2.6	7.3	5.9	1.9	9.0	4.8
Q2	1.6	–4.1	–56.2	–4.9	13.4	–2.6	1.4	–16.9	–2.7	5.6	2.1	6.2	1.4
Q3	0.3	3.2	–50.6	–1.5	13.1	–2.9	2.0	–18.7	–1.7	6.6	3.6	4.4	2.0

1 Not including expenditure on dwellings, land and existing buildings and costs associated with the transfer of ownership of non-produced assets.
2 Remaining investment by public non-financial corporations included within business investment.
3 Includes cultivated biological resources (AN.115) and weapons (AN.114).
4 Includes new dwellings and improvements to dwellings.
5 Including costs associated with the transfer of ownership of buildings, dwellings and non-produced assets.

F2 Gross fixed capital formation by sector and type of asset Chained volume measures

Reference year 2016, £ million

	Analysis by sector							Analysis by asset					
			Public corporations[2]		Private Sector								
	Business investment[1]	General government	Dwellings[4]	Costs of transfer of ownership of non-produced assets	Dwellings[4]	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	Other machinery and equipment[3]	Dwellings[4]	Other buildings and structures[5]	Intellectual Property Products	**Total**
	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT
2014	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
2015	187 355	51 660	8 241	694	60 677	15 347	324 016	21 785	64 208	68 917	109 223	60 130	324 016
2016	187 031	52 100	8 404	726	66 170	17 013	331 442	25 854	61 628	74 572	108 718	60 669	331 442
2017	189 877	54 029	8 202	767	72 053	17 990	342 917	23 250	61 854	80 255	115 143	62 415	342 917
Seasonally adjusted													
2015 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	46 762	12 921	2 161	165	17 733	4 524	84 265	6 171	14 807	19 774	28 415	15 098	84 265
Q2	47 365	13 892	2 267	222	17 673	4 449	85 868	6 280	15 616	19 890	28 675	15 407	85 868
Q3	47 779	13 631	2 078	193	17 889	4 541	86 111	5 719	15 535	20 057	29 038	15 762	86 111
Q4	47 971	13 585	1 696	187	18 758	4 476	86 673	5 080	15 896	20 534	29 015	16 148	86 673
2018 Q1	47 634	13 392	1 441	167	19 092	4 418	86 144	5 544	15 398	20 533	28 470	16 199	86 144
Q2	47 453	13 086	962	206	19 493	4 217	85 417	4 934	15 334	20 456	28 528	16 165	85 417
Q3	46 913	13 743	1 004	186	19 666	4 331	85 843	4 469	15 284	20 670	29 232	16 188	85 843
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	1.5	3.7	–2.4	5.6	8.9	5.7	3.5	–10.1	0.4	7.6	5.9	2.9	3.5
Percentage change, latest quarter on previous quarter													
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q
2015 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	–0.4	1.8	–7.8	4.7	4.0	1.0	–0.5	–5.0	3.8	4.1	–1.2	1.0
Q2	1.3	7.5	4.9	34.5	–0.3	–1.7	1.9	1.8	5.5	0.6	0.9	2.0	1.9
Q3	0.9	–1.9	–8.3	–13.1	1.2	2.1	0.3	–8.9	–0.5	0.8	1.3	2.3	0.3
Q4	0.4	–0.3	–18.4	–3.1	4.9	–1.4	0.7	–11.2	2.3	2.4	–0.1	2.4	0.7
2018 Q1	–0.7	–1.4	–15.0	–10.7	1.8	–1.3	–0.6	9.1	–3.1	–	–1.9	0.3	–0.6
Q2	–0.4	–2.3	–33.2	23.4	2.1	–4.5	–0.8	–11.0	–0.4	–0.4	0.2	–0.2	–0.8
Q3	–1.1	5.0	4.4	–9.7	0.9	2.7	0.5	–9.4	–0.3	1.0	2.5	0.1	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 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	4.8	10.0	9.5	–0.4	3.5	–0.9	–2.2	8.3	6.1	0.4	3.5
Q2	1.6	4.6	7.4	–3.1	8.0	8.6	3.8	0.1	–0.8	7.6	6.0	1.5	3.8
Q3	0.9	0.2	–1.5	14.9	7.3	12.8	2.6	–20.0	2.4	6.8	5.2	3.9	2.6
Q4	2.4	4.7	–20.1	4.5	10.8	2.9	3.9	–18.1	2.0	7.7	6.3	5.7	3.9
2018 Q1	1.9	3.6	–33.3	1.2	7.7	–2.3	2.2	–10.2	4.0	3.8	0.2	7.3	2.2
Q2	0.2	–5.8	–57.6	–7.2	10.3	–5.2	–0.5	–21.4	–1.8	2.8	–0.5	4.9	–0.5
Q3	–1.8	0.8	–51.7	–3.6	9.9	–4.6	–0.3	–21.9	–1.6	3.1	0.7	2.7	–0.3

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 measures[1]

Reference year 2016, £ million

	Mining and quarrying	Manufacturing industries: Materials and fuel	Manufacturing industries: Work in progress	Manufacturing industries: Finished goods	Manufacturing industries: Total	Electricity, gas and water supply	Distributive trades: Wholesale[2]	Distributive trades: Retail[2]	Other industries[3]	**Changes in inventories[3]**
Level of inventories held at end-December[4] 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	–591	89	1 441	1 425	2 955	–59	–1 275	–1 435	–1 972	–2 377
Seasonally adjusted										
2015 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	345	926	565	–382	1 109	452	–258	–758	1 231	2 121
Q2	701	–520	638	557	675	–462	113	–206	–1 605	–784
Q3	–828	–207	545	614	952	–8	–1 674	134	–40	–1 464
Q4	–809	–110	–307	636	219	–41	544	–605	–1 558	–2 250
2018 Q1	–131	620	–303	329	646	–255	3 087	480	–4 906	–1 079
Q2	–585	–804	–312	–167	–1 283	–188	–1 048	–730	5 705	1 871
Q3	–186	72	–284	–423	–635	–109	819	–750	3 816	2 955

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	278 800	617 539	475 774	165 698	641 472	–137 035	113 102	–23 933
Seasonally adjusted									
2015 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	83 015	68 448	151 463	117 141	41 005	158 146	–34 126	27 443	–6 683
Q2	84 136	68 908	153 044	118 563	41 446	160 009	–34 427	27 462	–6 965
Q3	86 140	70 089	156 229	120 002	41 592	161 594	–33 862	28 497	–5 365
Q4	85 448	71 355	156 803	120 068	41 655	161 723	–34 620	29 700	–4 920
2018 Q1	86 056	69 499	155 555	118 223	42 371	160 594	–32 167	27 128	–5 039
Q2	85 987	70 760	156 747	120 560	43 195	163 755	–34 573	27 565	–7 008
Q3	88 884	69 721	158 605	123 880	43 508	167 388	–34 996	26 213	–8 783

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	8.1	10.9	10.2	6.1	9.1

Percentage change, latest quarter on previous quarter

	KG9O	KH36	KH2P	KG9P	KH3X	KH3I
2015 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	2.8	–2.6	0.3	3.4	–2.4	1.8
Q2	1.4	0.7	1.0	1.2	1.1	1.2
Q3	2.4	1.7	2.1	1.2	0.4	1.0
Q4	–0.8	1.8	0.4	0.1	0.2	0.1
2018 Q1	0.7	–2.6	–0.8	–1.5	1.7	–0.7
Q2	–0.1	1.8	0.8	2.0	1.9	2.0
Q3	3.4	–1.5	1.2	2.8	0.7	2.2

Percentage change, latest quarter on corresponding quarter of previous year

	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J
2015 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	17.9	12.2	15.3	15.5	11.9	14.5
Q2	14.0	10.7	12.5	13.7	9.2	12.5
Q3	16.2	9.0	12.8	6.5	5.2	6.2
Q4	5.8	1.5	3.8	6.0	–0.8	4.1
2018 Q1	3.7	1.5	2.7	0.9	3.3	1.5
Q2	2.2	2.7	2.4	1.7	4.2	2.3
Q3	3.2	–0.5	1.5	3.2	4.6	3.6

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

H2 Exports and imports of goods and services Chained volume measures

Reference year 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total[1]
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
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	319 033	269 184	588 217	450 747	157 740	608 487	–20 270
Seasonally adjusted							
2015 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	77 953	66 320	144 273	111 703	39 186	150 889	–6 616
Q2	79 606	66 461	146 067	112 805	39 451	152 256	–6 189
Q3	81 852	67 007	148 859	113 601	39 498	153 099	–4 240
Q4	79 622	69 396	149 018	112 638	39 605	152 243	–3 225
2018 Q1	80 259	67 035	147 294	111 583	40 347	151 930	–4 636
Q2	78 467	66 831	145 298	111 247	40 885	152 132	–6 834
Q3	79 977	66 898	146 875	111 857	41 518	153 375	–6 500
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	4.4	5.6	4.4	1.0	3.5	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2015 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	1.9	–1.6	0.2	2.1	–2.5	0.9	
Q2	2.1	0.2	1.2	1.0	0.7	0.9	
Q3	2.8	0.8	1.9	0.7	0.1	0.6	
Q4	–2.7	3.6	0.1	–0.8	0.3	–0.6	
2018 Q1	0.8	–3.4	–1.2	–0.9	1.9	–0.2	
Q2	–2.2	–0.3	–1.4	–0.3	1.3	0.1	
Q3	1.9	0.1	1.1	0.5	1.5	0.8	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2015 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	4.4	4.4	5.8	1.9	4.8	
Q2	5.5	3.6	4.7	6.4	1.6	5.1	
Q3	13.2	6.7	10.2	2.6	2.1	2.5	
Q4	4.1	2.9	3.5	2.9	–1.4	1.8	
2018 Q1	3.0	1.1	2.1	–0.1	3.0	0.7	
Q2	–1.4	0.6	–0.5	–1.4	3.6	–0.1	
Q3	–2.3	–0.2	–1.3	–1.5	5.1	0.2	

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

L Gross value added at basic prices: individual measures

	£ million				Index numbers (2016 = 100)[3]				
		At current prices			Value indices at current prices		Chained volume indices		
	Expenditure-based estimate at chained volume measures	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	1 794 096	1 827 756	1 818 682	9 074	104.1	103.6	102.2	101.7	102.4
Seasonally adjusted									
2015 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	445 592	451 941	450 865	1 076	102.9	102.7	101.5	101.3	101.7
Q2	446 940	453 775	451 913	1 862	103.4	102.9	101.8	101.4	102.1
Q3	449 692	458 107	455 342	2 765	104.3	103.7	102.4	101.8	102.6
Q4	451 872	463 933	460 562	3 371	105.7	104.9	102.9	102.2	103.0
2018 Q1	451 877	466 859	463 600	3 259	106.3	105.6	102.9	102.2	103.1
Q2	453 834	470 165	466 784	3 381	107.1	106.3	103.4	102.6	103.6
Q3	456 458	475 584	472 241	3 343	108.3	107.6	104.0	103.2	104.2
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	4.1	3.6		4.1	3.6	2.2	1.7	2.4
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2015 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	0.4	1.3	1.0		1.3	1.0	0.4	0.2	0.6
Q2	0.3	0.4	0.2		0.4	0.2	0.3	0.1	0.3
Q3	0.6	1.0	0.8		1.0	0.8	0.6	0.4	0.5
Q4	0.5	1.3	1.1		1.3	1.1	0.5	0.4	0.4
2018 Q1	–	0.6	0.7		0.6	0.7	–	–	0.1
Q2	0.4	0.7	0.7		0.7	0.7	0.4	0.4	0.4
Q3	0.6	1.2	1.2		1.2	1.2	0.6	0.6	0.6
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2015 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	2.4	4.5	4.2		4.5	4.2	2.4	2.1	2.6
Q2	2.2	4.0	3.5		4.0	3.5	2.2	1.8	2.5
Q3	2.2	4.0	3.4		4.0	3.4	2.2	1.6	2.4
Q4	1.8	4.0	3.2		4.0	3.2	1.8	1.1	1.9
2018 Q1	1.4	3.3	2.8		3.3	2.8	1.4	0.9	1.4
Q2	1.5	3.6	3.3		3.6	3.3	1.5	1.2	1.4
Q3	1.5	3.8	3.7		3.8	3.7	1.5	1.4	1.6

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

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

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

M Alignment adjustments[1]

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
Seasonally adjusted			
	DMUN	DMUM	DMUQ
2015 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	1 089	1 070	2 574
Q2	–1 609	–1 580	–2 507
Q3	639	625	–689
Q4	–119	–115	622
2018 Q1	–2 006	–1 937	1 771
Q2	1 390	1 337	–820
Q3	2 011	1 923	319

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

N Selected financial year variables [1,2]

£ millions except deflator index which is 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	95.1051
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	95.8653
2016/17	1 991 226	1 989 398	1 775 338	369 396	53 376	1 978 370	1 766 479	367 357	52 778	98.0492
2017/18	2 064 985	2 066 392	1 840 012	377 754	55 616	2 011 674	1 797 794	367 961	54 500	100.0000
Seasonally adjusted										
2015 Q2	475 229	469 103	424 503	89 420	13 002	482 464	430 425	91 291	13 297	95.9597
Q3	475 541	472 366	423 920	91 090	12 360	484 552	431 718	91 806	12 562	95.6089
Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	95.3493
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	96.5433
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	97.2204
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	97.6013
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	98.3044
2017 Q1	507 028	505 627	451 952	93 048	13 404	498 582	445 603	91 427	12 921	99.0709
Q2	508 869	506 918	453 572	93 403	13 995	499 885	446 741	91 876	13 892	99.1715
Q3	514 258	510 663	457 448	93 895	13 793	502 473	449 048	91 969	13 631	99.7055
Q4	519 474	526 421	462 901	94 873	13 901	504 487	450 870	91 995	13 585	100.3147
2018 Q1	522 384	522 390	466 091	95 583	13 927	504 829	451 135	92 121	13 392	100.8083
Q2	527 479	522 537	469 307	96 124	13 425	506 928	453 009	91 863	13 086	101.3701
Q3	532 945	527 283	474 841	96 737	14 237	510 013	455 747	91 629	13 743	101.8010
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*	*4.0*	*1.9*	*7.2*	*1.7*	*2.0*	*0.2*	*4.5*	*2.3*
2017/18	*3.7*	*3.9*	*3.6*	*2.3*	*4.2*	*1.7*	*1.8*	*0.2*	*3.3*	*2.0*
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2015 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	1.2	–0.2	1.3	0.3	–	0.4	0.4	–0.6	–0.4	0.8
Q2	0.4	0.3	0.4	0.4	4.4	0.3	0.3	0.5	7.5	0.1
Q3	1.1	0.7	0.9	0.5	–1.4	0.5	0.5	0.1	–1.9	0.5
Q4	1.0	3.1	1.2	1.0	0.8	0.4	0.4	–	–0.3	0.6
2018 Q1	0.6	–0.8	0.7	0.7	0.2	0.1	0.1	0.1	–1.4	0.5
Q2	1.0	–	0.7	0.6	–3.6	0.4	0.4	–0.3	–2.3	0.6
Q3	1.0	0.9	1.2	0.6	6.0	0.6	0.6	–0.3	5.0	0.4
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2015 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	4.5	4.1	4.5	1.6	10.5	1.8	2.4	–0.7	5.5	2.6
Q2	4.0	4.2	3.9	2.0	6.7	1.9	2.2	–0.1	4.6	2.0
Q3	4.2	4.1	3.8	2.0	2.5	2.0	2.1	–	0.2	2.2
Q4	3.7	3.9	3.7	2.3	3.7	1.6	1.6	–	4.7	2.0
2018 Q1	3.0	3.3	3.1	2.7	3.9	1.3	1.2	0.8	3.6	1.8
Q2	3.7	3.1	3.5	2.9	–4.1	1.4	1.4	–	–5.8	2.2
Q3	3.6	3.3	3.8	3.0	3.2	1.5	1.5	–0.4	0.8	2.1

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 deflators[1]

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	96.2553	95.4537	96.1333
2015	96.1763	95.8695	96.3671
2016	97.6902	97.8423	98.1583
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2015 Q2	96.7530	96.3783	96.8107
Q3	96.3339	96.0260	96.3882
Q4	95.8669	95.7652	96.4084
2016 Q1	97.0246	96.9645	97.5950
Q2	97.6663	97.6445	98.0258
Q3	97.8130	98.0271	98.3141
Q4	98.2571	98.7333	98.6982
2017 Q1	99.3391	99.5031	99.5598
Q2	99.5770	99.6041	99.6622
Q3	100.1816	100.1405	99.9974
Q4	100.9022	100.7523	100.7805
2018 Q1	101.1364	101.2481	101.4155
Q2	101.6337	101.8123	101.6928
Q3	102.4615	102.2451	102.2738
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	2.4	2.2	1.9
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2015 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	1.1	0.8	0.9
Q2	0.2	0.1	0.1
Q3	0.6	0.5	0.3
Q4	0.7	0.6	0.8
2018 Q1	0.2	0.5	0.6
Q2	0.5	0.6	0.3
Q3	0.8	0.4	0.6
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2015 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	2.4	2.6	2.0
Q2	2.0	2.0	1.7
Q3	2.4	2.2	1.7
Q4	2.7	2.0	2.1
2018 Q1	1.8	1.8	1.9
Q2	2.1	2.2	2.0
Q3	2.3	2.1	2.3

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 Head[1]

£

	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	2 049 629	31 036	2 005 427	30 367
Seasonally adjusted					
2015 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	507 028	7 689	498 582	7 561
Q2	66 040	508 869	7 705	499 885	7 569
Q3	66 146	514 258	7 775	502 473	7 596
Q4	66 253	519 474	7 841	504 487	7 615
2018 Q1	66 359	522 384	7 872	504 829	7 608
Q2	66 466	527 479	7 936	506 928	7 627
Q3	66 572	532 945	8 006	510 013	7 661
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		4.1	3.4	1.8	1.2
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2015 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		1.2	1.1	0.4	0.3
Q2		0.4	0.2	0.3	0.1
Q3		1.1	0.9	0.5	0.4
Q4		1.0	0.8	0.4	0.3
2018 Q1		0.6	0.4	0.1	–0.1
Q2		1.0	0.8	0.4	0.2
Q3		1.0	0.9	0.6	0.4
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2015 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		4.5	3.8	1.8	1.2
Q2		4.0	3.3	1.9	1.3
Q3		4.2	3.5	2.0	1.3
Q4		3.7	3.1	1.6	1.0
2018 Q1		3.0	2.4	1.3	0.6
Q2		3.7	3.0	1.4	0.8
Q3		3.6	3.0	1.5	0.9

1 This data uses the latest population estimates with the exception of the latest year where populations projections are used. The quarterly data in this table does not sum to annuals (excluding GDP at market prices)
2 The UK resident population mid-year estimates used in this publication are those published on 28 June 2018
3 GDP is presented in £ million; also published in table A2

R Revisions Analysis[1]
Revisions since previously published estimates

£ million

		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	–	5 158
less Basic price adjustment	KB7E	–	2 863
Gross value added at basic prices	KB7F	–	2 295
Gross domestic product: expenditure at current prices (Table C1)			
National expenditure on goods and services at market prices			
Households	KB7K	–	3 035
Non-profit institutions serving households	KB7L	–	143
General government	KB7M	–	2 469
Gross fixed capital formation	KB7N	–	604
Changes in inventories	KB7O	–	–1 492
Acquisitions less disposals of valuables	KB7P	–	5
Total	KB7Q	–	4 764
Total exports	KB7R	–	–224
Total imports	KB7S	–	969
Statistical discrepancy (expenditure)	KB7T	–	1 587
Gross domestic product: income at current prices (Table D)			
Compensation of employees	KB7U	–	–461
Gross operating surplus of corporations	KB7V	–	2 123
Other income	KB7W	–	304
Gross value added at factor cost	KB7X	–	1 966
Taxes on products & production less Subsidies	KB7Y	–	5 088
Statistical discrepancy (income)	KB7Z	–	–1 896

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

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

R Revisions Analysis[1]
Revisions since previously published estimates

continued

£ million

		2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3
Latest less previously published levels of GDP at current market prices												
National accounts aggregates at current prices (Table A2)												
Gross domestic product at market prices	KB7D	–	–	–	–	1 146	634	1 878	1 500	1 642	2 748	2 341
less Basic price adjustment	KB7E	–	–	–	–	132	805	922	1 004	1 081	1 305	868
Gross value added at basic prices	KB7F	–	–	–	–	1 014	–171	956	496	561	1 443	1 473
Gross domestic product: expenditure at current prices (Table C1)												
National expenditure on goods and services at market prices												
Households	KB7K	–	–	–	–	469	359	1 361	846	704	1 533	2 089
Non-profit institutions serving households	KB7L	–	–	–	–	1	43	44	55	55	53	107
General government	KB7M	–	–	–	–	78	539	841	1 011	853	1 390	–220
Gross fixed capital formation	KB7N	–	–	–	–	100	239	97	168	532	98	–95
Changes in inventories	KB7O	–	–	–	–	–396	–1 094	–481	479	812	639	4 674
Acquisitions less disposals of valuables	KB7P	–	–	–	–	–7	16	–11	7	–15	–202	1 253
Total	KB7Q	–	–	–	–	245	102	1 851	2 566	2 941	3 511	7 808
Total exports	KB7R	–	–	–	–	756	898	–107	–1 771	–2 203	–795	–4 911
Total imports	KB7S	–	–	–	–	217	835	306	–389	–436	107	950
Statistical discrepancy (expenditure)	KB7T	–	–	–	–	362	469	440	316	468	139	394
Gross domestic product: income at current prices (Table D)												
Compensation of employees	KB7U	–	–	–	–	–192	–176	–66	–27	374	546	873
Gross operating surplus of corporations	KB7V	–	–	–	–	1 119	–309	840	473	–192	328	–1 211
Other income	KB7W	–	–	–	–	268	36	–3	3	21	580	1 800
Gross value added at factor cost	KB7X	–	–	–	–	1 195	–449	771	449	203	1 454	1 462
Taxes on products & production less Subsidies	KB7Y	–	–	–	–	133	1 436	1 691	1 828	2 206	1 849	1 367
Statistical discrepancy (income)	KB7Z	–	–	–	–	–182	–353	–584	–777	–767	–555	–488

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

		2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3
Latest less previously published growth rates for GDP in chained volume terms												
Percentage changes in volume of GDP (Table A2)												
Gross domestic product chained volume measures												
Quarter on quarter growth	KB82	–	–	–	–	–	–	0.1	–	–	–	–
Quarter on same quarter a year earlier	KB94	–	–	–	–	–	–	0.2	0.2	0.2	0.2	–
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	–	–0.3	0.2	–0.4	–0.1	0.1
Mining and quarrying inc oil & gas extraction	KB84	–	–	–	–	–0.9	–0.3	–0.1	–0.1	0.1	0.3	–0.2
Manufacturing	KB85	–	–	–	–	–0.1	–0.2	0.2	0.2	–0.1	0.3	–0.2
Electricity, gas, steam and air	KB86	–	–	–	–	0.1	0.1	–	–0.1	0.5	–0.7	–0.5
Water supply, sewerage	KNT7	–	–	–	–	0.3	0.2	0.1	–0.7	–0.9	–0.2	0.6
Total Production	KB87	–	–	–	–	–0.1	–	0.1	–	–	0.1	–0.2
Construction	KB88	–	–	–	–	–0.2	–	0.2	–0.3	–	–0.3	0.2
Distribution, hotels and restaurants	KB89	–	–	–	–	0.1	–	0.2	–	–	0.1	0.1
Transport storage and communications	KB8A	–	–	–	–	0.1	0.1	0.1	0.1	–0.2	–0.2	0.1
Business services and finance	KB8B	–	–	–	–	–	–	0.1	–0.1	–	0.1	0.1
Government and other services	KB8C	–	–	–	–	–	0.1	0.1	–0.1	–	–0.2	0.1
Total services	KB8D	–	–	–	–	0.1	–	0.1	–0.1	–	–	0.1
Total GVA	KB8E	–	–	–	–	–	–	0.2	–	–	–	–
Total GVA excluding Oil	KB8F	–	–	–	–	–	–	0.2	0.1	–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	0.1	0.2	–	–0.1	0.1	–
Non-profit institutions serving households	KB8H	–	–	–	–	0.1	0.4	0.1	0.1	–	–	0.5
General government	KB8I	–	–	–	–	–0.2	0.1	0.3	–0.3	–0.1	0.1	–0.9
Gross fixed capital formation	KB8J	–	–	–	–	–	0.1	0.1	–	0.4	–0.3	–0.3
Total	KB8K	–	–	–	–	–	–	0.3	0.2	0.1	–0.1	0.7
Total exports	KB8L	–	–	–	–	0.6	0.1	–0.9	–0.9	–0.4	0.8	–1.6
Total imports	KB8M	–	–	–	–	0.6	0.2	–0.5	–0.5	0.1	0.3	0.8

AA Annex A - Growth and contributions to growth - output components of GDP[1] 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	3.0	1.8	–0.6	2.5	–1.6	3.4	7.1	2.1	2.2	4.9	2.2	0.6
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	1.7	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
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	2.1	0.3	2.6	0.5	–3.9	3.1	3.2	0.5	–0.2	0.4	0.8	0.5
Q2	0.6	0.3	1.5	0.1	0.9	–0.8	0.2	0.4	0.3	1.2	0.2	0.3
Q3	0.6	1.0	0.1	1.1	2.2	–0.5	0.7	0.4	0.5	0.7	0.6	–0.1
Q4	–0.1	0.6	–4.5	1.5	–0.8	–	0.3	0.3	0.2	1.3	0.4	–0.3
2018 Q1	–1.6	0.1	2.7	–0.2	1.7	–2.2	–1.6	0.3	0.2	–0.2	0.5	0.2
Q2	–	–0.7	1.0	–0.4	–4.0	0.6	0.5	0.6	1.7	1.3	0.2	0.2
Q3	0.3	0.6	1.5	0.4	1.4	0.9	2.3	0.5	0.9	1.5	0.4	–
Contributions to growth												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
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	–	0.2	0.4	–	–	0.3	0.1
Q2	–	–	–	–	–	–	–	0.3	–	0.1	0.1	0.1
Q3	–	0.1	–	0.1	–	–	–	0.3	0.1	0.1	0.2	–
Q4	–	0.1	–	0.1	–	–	–	0.3	–	0.1	0.1	–0.1
2018 Q1	–	–	–	–	–	–	–0.1	0.2	–	–	0.2	0.1
Q2	–	–0.1	–	–	–0.1	–	–	0.5	0.2	0.1	0.1	–
Q3	–	0.1	–	–	–	–	0.1	0.4	0.1	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
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	1.5	2.3	1.6	2.5	–1.2	6.7	9.2	2.2	3.0	5.4	2.3	0.2
Q2	3.2	0.7	0.9	1.4	–4.6	2.9	7.6	2.5	2.7	6.4	2.2	0.8
Q3	4.0	2.2	–4.0	3.0	1.4	2.3	7.1	2.1	2.4	4.2	2.1	0.8
Q4	3.2	2.2	–0.5	3.2	–1.7	1.7	4.5	1.6	0.8	3.7	2.0	0.4
2018 Q1	–0.6	2.0	–0.4	2.5	4.0	–3.5	–0.4	1.4	1.3	3.0	1.8	0.2
Q2	–1.2	1.1	–0.9	2.0	–1.0	–2.1	–0.1	1.6	2.7	3.1	1.8	0.1
Q3	–1.5	0.7	0.5	1.3	–1.8	–0.7	1.6	1.7	3.1	4.0	1.5	0.1
Contributions to growth												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
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	0.5	1.8	0.4	0.6	0.8	–
Q2	–	0.1	–	0.1	–0.1	–	0.5	2.0	0.4	0.7	0.7	0.2
Q3	–	0.3	–	0.3	–	–	0.4	1.7	0.3	0.4	0.7	0.2
Q4	–	0.3	–	0.3	–	–	0.3	1.3	0.1	0.4	0.7	0.1
2018 Q1	–	0.3	–	0.3	0.1	–	–	1.1	0.2	0.3	0.6	–
Q2	–	0.2	–	0.2	–	–	–	1.3	0.4	0.3	0.6	–
Q3	–	0.1	–	0.1	–	–	0.1	1.4	0.4	0.4	0.5	–

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

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

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	2.2	–0.3	–0.2	0.3	3.5	1.5	5.6	3.5	
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	1.4	–	–	0.1	0.6	0.1	1.6	1.0	0.5
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
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	0.7	–0.4	–0.6	1.4	1.0	–0.2	0.2	0.9	
Q2	0.4	–0.1	0.5	–0.7	1.9	1.3	1.2	0.9	
Q3	0.5	–0.6	0.1	–0.6	0.3	0.9	1.9	0.6	
Q4	0.3	–0.1	–	0.3	0.7	0.4	0.1	–0.6	
2018 Q1	0.4	–0.5	0.1	0.4	–0.6	–0.7	–1.2	–0.2	
Q2	0.5	–0.8	–0.3	3.5	–0.8	–0.4	–1.4	0.1	
Q3	0.5	–0.2	–0.3	1.3	0.5	–1.1	1.1	0.8	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
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	0.5	–	–0.1	0.2	0.2	–	–	0.3	–0.2
Q2	0.2	–	0.1	–0.1	0.3	0.1	0.4	0.3	0.1
Q3	0.3	–	–	–0.1	–	0.1	0.6	0.2	0.4
Q4	0.2	–	–	0.1	0.1	–	–	–0.2	0.2
2018 Q1	0.2	–	–	0.1	–0.1	–0.1	–0.4	–0.1	–0.3
Q2	0.3	–	–0.1	0.6	–0.1	–	–0.4	–	–0.4
Q3	0.3	–	–	0.2	0.1	–0.1	0.3	0.3	0.1
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
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	2.8	0.7	–0.7	2.2	3.5	1.2	4.4	4.8	
Q2	2.3	–0.1	–0.1	4.1	3.8	1.6	4.7	5.1	
Q3	1.6	–0.6	–	–5.1	2.6	0.9	10.2	2.5	
Q4	2.0	–1.2	–	0.5	3.9	2.4	3.5	1.8	
2018 Q1	1.6	–1.4	0.8	–0.6	2.2	1.9	2.1	0.7	
Q2	1.8	–2.1	–	3.6	–0.5	0.2	–0.5	–0.1	
Q3	1.8	–1.7	–0.4	5.6	–0.3	–1.8	–1.3	0.2	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
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	0.4	0.6	0.1	1.2	1.4	–0.2
Q2	1.5	–	–	0.7	0.6	0.2	1.3	1.5	–0.2
Q3	1.0	–	–	–0.9	0.4	0.1	2.8	0.8	2.0
Q4	1.2	–	–	0.1	0.7	0.2	1.0	0.5	0.5
2018 Q1	1.0	–	0.1	–0.1	0.4	0.2	0.6	0.2	0.4
Q2	1.1	–0.1	–	0.6	–0.1	–	–0.2	–	–0.1
Q3	1.1	–	–0.1	1.0	–0.1	–0.2	–0.4	0.1	–0.5

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

2 This table does not include the contribution from the statistical discrepancy and components may not sum to the percentage change in average GDP. Chained volume measure data for this component are available in table C2

3 Non-profit institutions serving households

4 Please refer to footnote 7 on table C2

AC Annex C - Growth and contributions to growth - income components of GDP[1,2]
Current Prices
Seasonally adjusted data

	Compensation 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	4.2	3.7	1.3	5.0
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	0.8	0.2	0.6
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
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	0.8	2.2	0.7	–0.3
Q2	1.5	–3.9	0.3	2.9
Q3	0.7	1.5	0.2	2.3
Q4	1.0	2.1	0.6	–0.6
2018 Q1	1.0	–0.3	1.4	–1.0
Q2	0.8	–0.2	1.2	3.7
Q3	1.4	0.1	2.2	–0.4
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
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	0.4	0.5	0.1	–
Q2	0.8	–1.0	–	0.4
Q3	0.4	0.3	–	0.3
Q4	0.5	0.4	0.1	–0.1
2018 Q1	0.5	–0.1	0.2	–0.1
Q2	0.4	–0.1	0.2	0.5
Q3	0.7	–	0.3	–
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
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	5.7	3.3	1.9	3.4
Q2	4.2	3.9	0.6	5.1
Q3	2.9	5.9	1.0	7.3
Q4	4.1	1.7	1.8	4.3
2018 Q1	4.3	–0.8	2.5	3.6
Q2	3.5	3.1	3.4	4.4
Q3	4.2	1.6	5.4	1.7
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
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	0.8	0.3	0.4
Q2	2.1	0.9	0.1	0.6
Q3	1.5	1.3	0.2	0.9
Q4	2.0	0.4	0.3	0.5
2018 Q1	2.1	–0.2	0.4	0.4
Q2	1.7	0.7	0.6	0.6
Q3	2.1	0.3	0.9	0.2

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

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

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

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

AD Annex D - Implied GDP deflator growths- Expenditure components of GDP[1]

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure						
	Households	Non-profit institutions[2]	General government	Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
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	1.4	2.2	3.6	2.4	5.0	5.4
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
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	0.8	0.5	0.9	2.6	0.4	0.1	1.0
Q2	0.2	0.4	–0.1	0.8	0.5	–0.2	0.3
Q3	0.1	0.5	0.4	2.6	0.6	0.2	0.4
Q4	0.7	0.2	1.0	0.4	0.8	0.3	0.6
2018 Q1	0.9	0.5	0.6	–2.8	0.6	0.4	–0.5
Q2	0.3	0.7	0.8	0.8	–	2.2	1.8
Q3	0.5	0.5	0.9	1.8	1.0	0.1	1.4
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
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	2.4	1.1	2.2	2.8	2.5	10.5	9.3
Q2	2.1	1.6	2.1	1.2	2.4	7.5	7.0
Q3	2.1	1.5	2.0	4.1	2.5	2.4	3.6
Q4	1.8	1.5	2.3	6.5	2.3	0.3	2.3
2018 Q1	2.0	1.6	2.0	1.0	2.5	0.6	0.9
Q2	2.1	2.0	2.9	1.0	1.9	3.0	2.4
Q3	2.5	2.0	3.4	0.2	2.3	2.9	3.4

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

2 Non-profit institutions serving households

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

Seasonally adjusted data

Reference year 2016

	Agri-culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu-facturing	Electric, gas, steam & air	Water supply, sewerage	Constr-uction	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 estimates[3]												
	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	3.0	1.8	–0.6	2.5	–1.6	3.4	7.1	2.1	2.2	4.9	2.2	0.6
Previous estimates[2]												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
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
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2015	–	–	–	–	–	–	–	–	–	–	–	–
2016	–	–	–	–	–	–	–	–	–	–	–	–
2017	0.1	–0.2	–1.2	–0.1	0.1	0.4	–0.1	0.1	0.1	0.3	0.1	0.2
Percentage change, latest quarter on previous quarter												
Current estimates[3]												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
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	2.1	0.3	2.6	0.5	–3.9	3.1	3.2	0.5	–0.2	0.4	0.8	0.5
Q2	0.6	0.3	1.5	0.1	0.9	–0.8	0.2	0.4	0.3	1.2	0.2	0.3
Q3	0.6	1.0	0.1	1.1	2.2	–0.5	0.7	0.4	0.5	0.7	0.6	–0.1
Q4	–0.1	0.6	–4.5	1.5	–0.8	–	0.3	0.3	0.2	1.3	0.4	–0.3
2018 Q1	–1.6	0.1	2.7	–0.2	1.7	–2.2	–1.6	0.3	0.2	–0.2	0.5	0.2
Q2	–	–0.7	1.0	–0.4	–4.0	0.6	0.5	0.6	1.7	1.3	0.2	0.2
Q3	0.3	0.6	1.5	0.4	1.4	0.9	2.3	0.5	0.9	1.5	0.4	–
Previous estimates[2]												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
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
Q3	0.2	0.8	1.7	0.6	1.9	0.3	2.1	0.4	0.8	1.4	0.3	–0.1
Revisions												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2016 Q1	–	–	–	–	–	–	–	–	–	–	–	–
Q2	–	–	–	–	–	–	–	–	–	–	–	–
Q3	–	–	–	–	–	–	–	–	–	–	–	–
Q4	–	–	–	–	–	–	–	–	–	–	–	–
2017 Q1	0.1	–0.1	–0.9	–0.1	0.1	0.3	–0.2	0.1	0.1	0.1	–	–
Q2	–	–	–0.3	–0.2	0.1	0.2	–	–	–	0.1	–	0.1
Q3	–0.3	0.1	–0.1	0.2	–	0.1	0.2	0.1	0.2	0.1	0.1	0.1
Q4	0.2	–	–0.1	0.2	–0.1	–0.7	–0.3	–0.1	–	0.1	–0.1	–0.1
2018 Q1	–0.4	–	0.1	–0.1	0.5	–0.9	–	–	–	–0.2	–	–
Q2	–0.1	0.1	0.3	0.3	–0.7	–0.2	–0.3	–	0.1	–0.2	0.1	–0.2
Q3	0.1	–0.2	–0.2	–0.2	–0.5	0.6	0.2	0.1	0.1	0.1	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 estimates[3]												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
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	1.5	2.3	1.6	2.5	–1.2	6.7	9.2	2.2	3.0	5.4	2.3	0.2
Q2	3.2	0.7	0.9	1.4	–4.6	2.9	7.6	2.5	2.7	6.4	2.2	0.8
Q3	4.0	2.2	–4.0	3.0	1.4	2.3	7.1	2.1	2.4	4.2	2.1	0.8
Q4	3.2	2.2	–0.5	3.2	–1.7	1.7	4.5	1.6	0.8	3.7	2.0	0.4
2018 Q1	–0.6	2.0	–0.4	2.5	4.0	–3.5	–0.4	1.4	1.3	3.0	1.8	0.2
Q2	–1.2	1.1	–0.9	2.0	–1.0	–2.1	–0.1	1.6	2.7	3.1	1.8	0.1
Q3	–1.5	0.7	0.5	1.3	–1.8	–0.7	1.6	1.7	3.1	4.0	1.5	0.1
Previous estimates[2]												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
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
Q3	–1.3	0.7	0.4	1.0	–1.0	0.5	2.0	1.7	2.8	4.1	1.3	0.3
Revisions												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2016 Q1	–	–	–	–	–	–	–	–	–	–	–	–
Q2	–	–	–	–	–	–	–	–	–	–	–	–
Q3	–	–	–	–	–	–	–	–	–	–	–	–
Q4	–	–	–	–	–	–	–	–	–	–	–	–
2017 Q1	0.2	–0.1	–0.9	–0.2	0.1	0.3	–0.2	–	0.1	0.2	0.1	–
Q2	0.2	–0.2	–1.1	–0.3	0.2	0.5	–0.1	0.1	–	0.2	–	0.1
Q3	–0.2	–0.1	–1.3	–0.1	0.2	0.7	–	0.2	0.3	0.3	0.1	0.2
Q4	0.1	–	–1.3	0.1	0.1	–0.1	–0.2	0.1	0.3	0.4	–	0.1
2018 Q1	–0.5	–	–0.4	0.2	0.5	–1.3	–0.1	0.1	0.2	0.1	0.1	0.2
Q2	–0.7	0.3	0.2	0.7	–0.3	–1.7	–0.5	0.1	0.4	–0.2	0.2	–0.1
Q3	–0.2	–	0.1	0.3	–0.8	–1.2	–0.4	–	0.3	–0.1	0.2	–0.2

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							
	Households	Non-profit institutions[3]	General government[5]	Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	*less* Total imports
Percentage change, latest year on previous year Current estimates [4]								
	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	2.2	–0.3	–0.2	0.3	3.5	1.5	5.6	3.5
Previous estimates[2]								
	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	–0.8	–0.1	0.6	3.3	1.8	5.7	3.2
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2015	–	–	–	–	–	–	–	–
2016	–	–	–	–	–	–	–	–
2017	0.3	0.5	–0.1	–0.3	0.2	–0.3	–0.1	0.3
Percentage change, latest quarter on previous quarter Current estimates[4]								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
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	0.7	–0.4	–0.6	1.4	1.0	–0.2	0.2	0.9
Q2	0.4	–0.1	0.5	–0.7	1.9	1.3	1.2	0.9
Q3	0.5	–0.6	0.1	–0.6	0.3	0.9	1.9	0.6
Q4	0.3	–0.1	–	0.3	0.7	0.4	0.1	–0.6
2018 Q1	0.4	–0.5	0.1	0.4	–0.6	–0.7	–1.2	–0.2
Q2	0.5	–0.8	–0.3	3.5	–0.8	–0.4	–1.4	0.1
Q3	0.5	–0.2	–0.3	1.3	0.5	–1.1	1.1	0.8
Previous estimates[2]								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
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
Q3	0.5	–0.7	0.6	–3.4	0.8	–1.2	2.7	–
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2016 Q1	–	–	–	–	–	–	–	–
Q2	–	–	–	–	–	–	–	–
Q3	–	–	–	–	–	–	–	–
Q4	–	–	–	–	–	–	–	–
2017 Q1	0.1	0.1	–0.2	–0.6	–	–	0.6	0.6
Q2	0.1	0.4	0.1	–0.5	0.1	–0.5	0.1	0.2
Q3	0.2	0.1	0.3	0.6	0.1	0.3	–0.9	–0.5
Q4	–	0.1	–0.3	1.4	–	–0.1	–0.9	–0.5
2018 Q1	–0.1	–	–0.1	1.2	0.4	–0.2	–0.4	0.1
Q2	0.1	–	0.1	–1.5	–0.3	0.3	0.8	0.3
Q3	–	0.5	–0.9	4.7	–0.3	0.1	–1.6	0.8

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							
	Households	Non-profit institutions[3]	General government[5]	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports
Percentage change, latest quarter on corresponding quarter of the previous year								
Current estimates[4]								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
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	2.8	0.7	–0.7	2.2	3.5	1.2	4.4	4.8
Q2	2.3	–0.1	–0.1	4.1	3.8	1.6	4.7	5.1
Q3	1.6	–0.6	–	–5.1	2.6	0.9	10.2	2.5
Q4	2.0	–1.2	–	0.5	3.9	2.4	3.5	1.8
2018 Q1	1.6	–1.4	0.8	–0.6	2.2	1.9	2.1	0.7
Q2	1.8	–2.1	–	3.6	–0.5	0.2	–0.5	–0.1
Q3	1.8	–1.7	–0.4	5.6	–0.3	–1.8	–1.3	0.2
Previous estimates[2]								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
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
Q3	1.8	–2.3	0.8	–0.5	–	–1.9	0.7	–0.5
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2016 Q1	–	–	–	–	–	–	–	–
Q2	–	–	–	–	–	–	–	–
Q3	–	–	–	–	–	–	–	–
Q4	–	–	–	–	–	–	–	–
2017 Q1	0.1	0.1	–0.2	–0.6	0.1	–	0.6	0.6
Q2	0.2	0.5	–0.1	–1.1	0.1	–0.5	0.7	0.8
Q3	0.3	0.6	0.2	–0.4	0.2	–0.2	–0.3	0.2
Q4	0.4	0.6	–0.1	1.0	0.2	–0.3	–1.2	–0.2
2018 Q1	0.1	0.5	0.1	2.7	0.5	–0.4	–2.2	–0.7
Q2	0.2	0.1	–	1.9	0.1	0.4	–1.3	–0.7
Q3	–	0.6	–1.2	6.1	–0.3	0.1	–2.0	0.7

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 estimates[3]				
	KGI3	KH4V	KH6T	KH65
2015	3.2	–0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.2	3.7	1.3	5.0
Previous estimates[2]				
	A2CT	A2CU	A2CV	A2CW
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
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2015	–	–	–	–
2016	–	–	–	–
2017	–0.1	0.5	0.1	2.1
Percentage change, latest quarter on previous quarter				
Current estimates[3]				
	KGI4	KH4W	KH6U	KH66
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	0.8	2.2	0.7	–0.3
Q2	1.5	–3.9	0.3	2.9
Q3	0.7	1.5	0.2	2.3
Q4	1.0	2.1	0.6	–0.6
2018 Q1	1.0	–0.3	1.4	–1.0
Q2	0.8	–0.2	1.2	3.7
Q3	1.4	0.1	2.2	–0.4
Previous estimates[2]				
	A2CL	A2CM	A2CN	A2CO
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
Q3	1.3	1.4	0.8	0.4
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2016 Q1	–	–	–	–
Q2	–	–	–	–
Q3	–	–	–	–
Q4	–	–	–	–
2017 Q1	–0.1	1.1	0.3	0.2
Q2	–	–1.2	–0.2	2.1
Q3	–	1.1	–	0.4
Q4	–	–0.3	–	0.2
2018 Q1	0.2	–0.6	–	0.6
Q2	0.1	0.5	0.7	–0.8
Q3	0.1	–1.3	1.4	–0.8

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

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

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

AG Annex G - Income components of GDP- growths and revisions from previous estimate[1,2], Current Price

continued **Seasonally adjusted data**

	Compensation 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 estimates[3]				
	KGI5	KH4X	KH6V	KH67
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	5.7	3.3	1.9	3.4
Q2	4.2	3.9	0.6	5.1
Q3	2.9	5.9	1.0	7.3
Q4	4.1	1.7	1.8	4.3
2018 Q1	4.3	–0.8	2.5	3.6
Q2	3.5	3.1	3.4	4.4
Q3	4.2	1.6	5.4	1.7
Previous estimates[2]				
	A2CP	A2CQ	A2CR	A2CS
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
Q3	3.9	3.5	3.3	2.3
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2016 Q1	–	–	–	–
Q2	–	–	–	–
Q3	–	–	–	–
Q4	–	–	–	–
2017 Q1	–0.1	1.0	0.3	0.2
Q2	–	–0.3	–	2.4
Q3	–	0.8	–	2.8
Q4	–	0.4	–	3.0
2018 Q1	0.3	–1.2	–0.3	3.4
Q2	0.3	0.6	0.6	0.6
Q3	0.3	–1.9	2.1	–0.6

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 esimates refer to estimates within this publication (Quarterly National Accounts)