

Statistical bulletin

# GDP first quarterly estimate, UK: January to March 2019

First quarterly estimate of gross domestic product (GDP), containing current and constant price data on the value of goods and services to indicate the economic performance of the UK.



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## Notice

### 10 May 2019

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

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

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

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# 1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.5% in Quarter 1 (Jan to Mar) 2019 having slowed to 0.2% growth in the previous quarter.
- In comparison with the same quarter a year ago UK GDP increased by 1.8% to Quarter 1 (Jan to Mar) 2019; up from 1.4% in the previous period.
- Growth in the services sector slowed to 0.3% in the latest quarter, while there was a noticeable pickup in growth in the production sector, driven by growth of 2.2% in manufacturing output.
- Private consumption, government consumption and gross capital formation contributed positively, while net trade contributed negatively to GDP growth.
- The trade deficit widened to 3.4% of nominal GDP in Quarter 1 2019; when unspecified goods are excluded, the deficit widened to 2.3% of nominal GDP – this figure gives a better indication of the underlying trade position.
- Gross fixed capital formation increased by 2.1% in the latest quarter, with strong growth in government investment; business investment increased by 0.5% in Quarter 1 2019 following four quarters of contraction.

## 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. Further information on all three approaches to measuring GDP can be found in the [short guide to national accounts \(PDF, 317KB\)](#).

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

### International Financial Reporting Standards (IFRS16)

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

While we recognise there is a change to the accounting standards for some businesses this quarter, there has been no change to national accounts standards on the treatment of leases. To assess the impact of IFRS16's introduction on GFCF and business investment estimates, we contacted around 260 QCAS respondents with large movements in their data to ask them which accountancy framework they used and what if any impact IFRS16 has had on their data for Quarter 1 2019, if they use the IFRS framework. As a result, we have made an adjustment of approximately £220 million to remove the quantified impact of its introduction and better reflect underlying growth for GFCF and business investment. The asset most affected by the introduction of IFRS16 in this provisional dataset was ICT equipment and other machinery and equipment.

### 3 . The UK economy grew by 0.5% in Quarter 1 2019

UK gross domestic product (GDP) is estimated to have grown by 0.5% in Quarter 1 (Jan to Mar) 2019, having slowed to 0.2% growth in the previous quarter. This is in line with the latest expectations from the [Bank of England](#) and slightly above those from the [National Institute of Economic and Social Research](#). The UK economy grew by 1.8% compared with the same quarter in the previous year (Figure 1), its fastest rate since Quarter 3 (July to Sept) 2017.

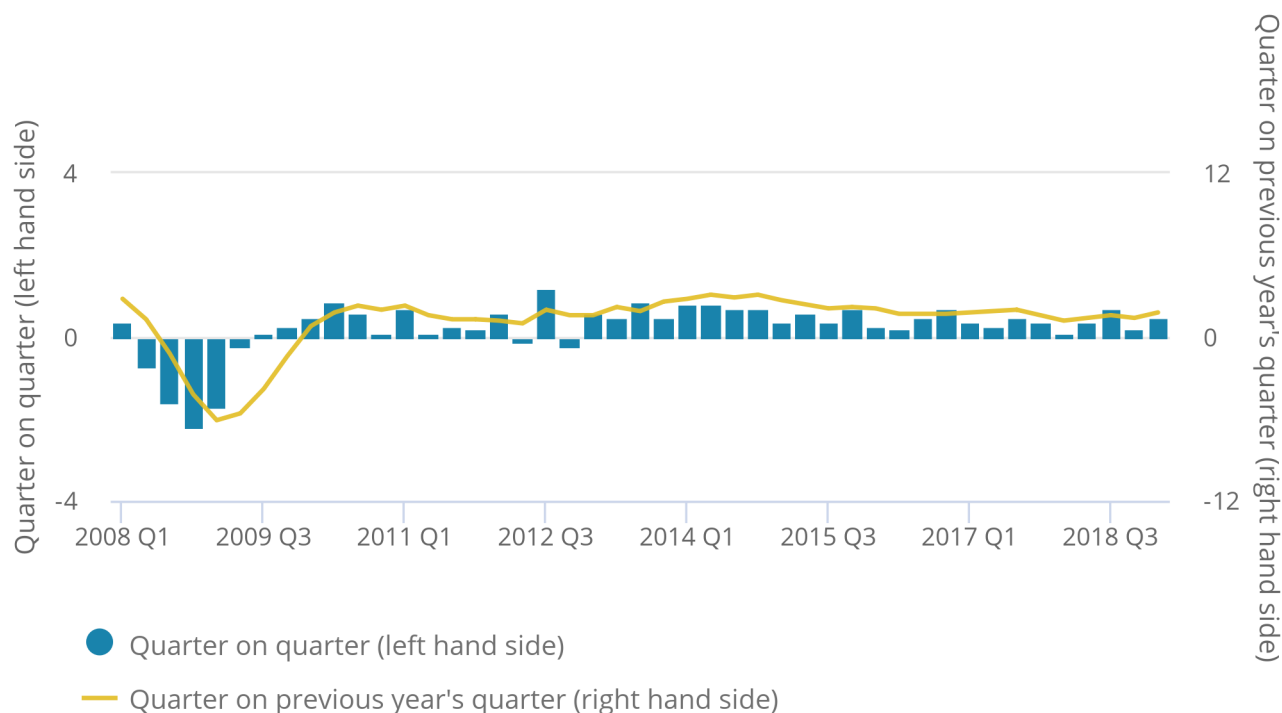
The strength in quarterly growth is in part due to the low December 2018 monthly growth in the base period, which makes the current period look stronger in comparison. Having fallen by 0.3% in December 2018, there was offsetting strength in January 2019 as output increased by 0.5%, followed by a further increase of 0.2% in February 2019. Real GDP growth is estimated to have contracted by 0.1% in March 2019. More information on the monthly path of GDP can be found in the [GDP monthly estimate, UK: March 2019](#) release.

**Figure 1: Real GDP increases by 0.5% in Quarter 1 2019**

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

Figure 1: Real GDP increases by 0.5% in Quarter 1 2019

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



Source: Office for National Statistics

**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. In line with the National Accounts Revisions Policy, no previous quarters are open for revision in this publication.

Nominal GDP increased by 1.0% in Quarter 1 2019, up from the 0.7% recorded in the previous quarter, while real GDP per head increased by 0.4% in the first quarter of 2019 (Table 1). The implied GDP deflator represents the broadest measure of inflation in the domestic economy. It reflects changes in the price of all goods and services that comprise GDP, including the price movements in private and government consumption, investment and the relative price of exports and imports.

In the year to Quarter 1 2019, the GDP deflator increased by 1.6%, continuing the easing that has been seen in recent quarters. This movement in the implied deflator broadly reflects weakness in the implied import deflator for goods, which has been driven by falls in the price of fuel imports – including gas and electricity and crude and refined oil – due to a fall in oil prices in Quarter 1 2019.

There has also been a notable decline in the implied deflator for gross capital formation in Quarter 1 2019, although this broadly reflects erratic movements in non-monetary gold. This has been partially offset by an increase in the implied deflator for government consumption, as education spending continues to rise.

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

|                     | Chained volume measures |                       |                               | Current market prices |     |                           |
|---------------------|-------------------------|-----------------------|-------------------------------|-----------------------|-----|---------------------------|
|                     | GDP                     | Household expenditure | Gross fixed capital formation | GDP per head          | GDP | Compensation of employees |
| Seasonally adjusted |                         |                       |                               |                       |     |                           |
| 2017                | 1.8                     | 2.2                   | 3.5                           | 1.2                   | 4.1 | 4.2                       |
| 2018                | 1.4                     | 1.8                   | 0.2                           | 0.7                   | 3.3 | 4.2                       |
| Q1 2017             | 0.4                     | 0.7                   | 1.0                           | 0.3                   | 1.2 | 0.8                       |
| Q2 2017             | 0.3                     | 0.4                   | 1.9                           | 0.1                   | 0.4 | 1.5                       |
| Q3 2017             | 0.5                     | 0.5                   | 0.3                           | 0.4                   | 1.1 | 0.7                       |
| Q4 2017             | 0.4                     | 0.3                   | 0.7                           | 0.3                   | 1.0 | 1.0                       |
| Q1 2018             | 0.1                     | 0.5                   | -0.8                          | -0.1                  | 0.7 | 1.0                       |
| Q2 2018             | 0.4                     | 0.5                   | -0.6                          | 0.2                   | 0.7 | 0.9                       |
| Q3 2018             | 0.7                     | 0.4                   | 0.9                           | 0.5                   | 1.1 | 1.6                       |
| Q4 2018             | 0.2                     | 0.3                   | -0.6                          | 0.1                   | 0.7 | 0.8                       |
| Q1 2019             | 0.5                     | 0.7                   | 2.1                           | 0.4                   | 1.0 | 0.9                       |

Source: Office for National Statistics

#### Notes

1. Percentage change on previous quarter. [Back to table](#)
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec). [Back to table](#)
3. Population data are consistent with the 28 June 2018 published estimates. [Back to table](#)

## 4 . Growth in production and construction output increases as services sector growth slows

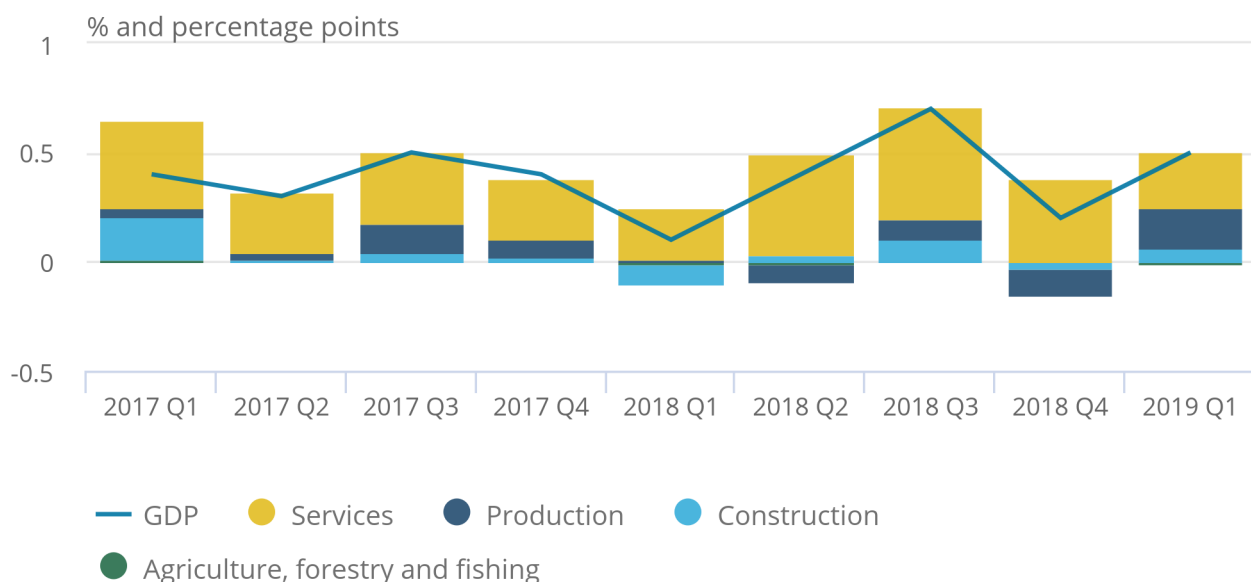
Growth in the output measure of gross domestic product (GDP) increased by 0.5% in Quarter 1 (Jan to Mar) 2019 (Figure 2). Production output increased by 1.4% in the first quarter of 2019, within which manufacturing output increased by 2.2%. Services output growth slowed to 0.3% in Quarter 1 2019, while construction output increased by 1.0%. Output of the agriculture, forestry and fishing sector fell by 1.8%, providing the only negative contribution to growth.

**Figure 2: Growth in services output drives GDP growth in Quarter 1 2019**

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

Figure 2: Growth in services output drives GDP growth in Quarter 1 2019

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



Source: Office for National Statistics

Notes:

Chart shows contributions to real GDP growth.

Services output increased by 0.3% in Quarter 1 2019, following the comparatively strong performance in the second half of 2018 (Figure 3). This easing has also been seen in the recent [Markit UK Services Purchasing Manager's Index \(PMI\)](#) for March 2019, which recorded a contraction in services sector activity for the first time since 2012 and cited how "corporate clients had opted to delay spending in response to political uncertainty".

Following growth of 0.3% in Quarter 4 (Oct to Dec) 2018, there was a sharp pickup in the output of the wholesale, retail and motor trades industries, which increased by 1.2% in the first quarter of 2019. This increase broadly reflects a pickup in growth of retail sales, which increased by 1.6% in the first three months of 2019.

As outlined in the [Retail sales, Great Britain: March 2019](#) publication, the growth in Quarter 1 2019 reflects an increase in the quantity bought across all stores, with the exception of department stores and household goods stores. However, the pickup in retail sales in Quarter 1 2019 is at odds with a variety of external survey evidence, including both the [British Retail Consortium](#) and [Bank of England's Agents' Summary Survey](#), with the latter attributing the weakening demand for household goods to the relatively subdued UK housing market, in addition to the recent political uncertainty.

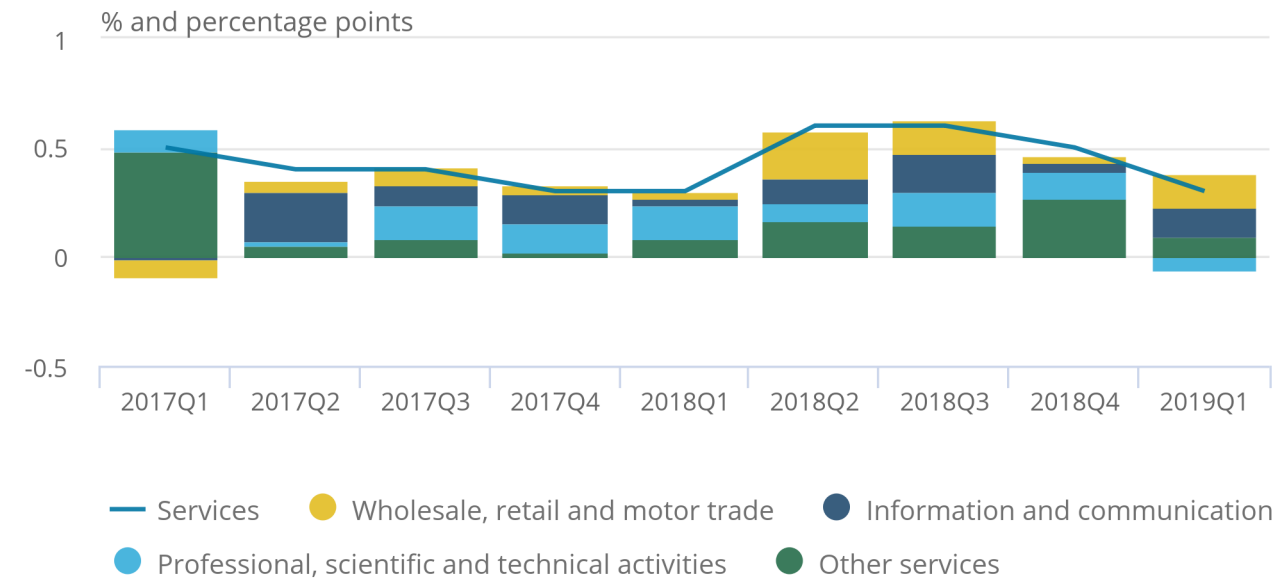
Professional, scientific and technical activities fell by 0.6% in Quarter 1 2019. However, this decrease broadly reflects a fallback following particularly strong growth throughout the second half of 2018. In addition, financial and insurance services output continued to fall in Quarter 1 2019, decreasing by 0.4%. The quarterly fall predominantly reflected a fall in financial service activities, which has not contributed positively to growth since Quarter 1 2017. It should be noted that data content in these industries is comparatively low in early estimates. This fall is also consistent with the [Bank of England's Agents' Summary Survey](#), which attributed some of the recent decline in financial services to weaker demand, reflecting recent political uncertainty as well as worries around trade tensions between the US and China.

**Figure 3: Service sector growth slows despite strengthening in wholesale, retail and motor trade**

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

Figure 3: Service sector growth slows despite strengthening in wholesale, retail and motor trade

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



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).

Following a weak picture in Quarter 4 2018, in which all of the four main areas of production experienced a fall in output, there was a pickup in Quarter 1 2019. Production output increased by 1.4% (Figure 4), predominantly driven by manufacturing output, which increased by 2.2%, its fastest rate since Quarter 3 (July to Sept) 1988.

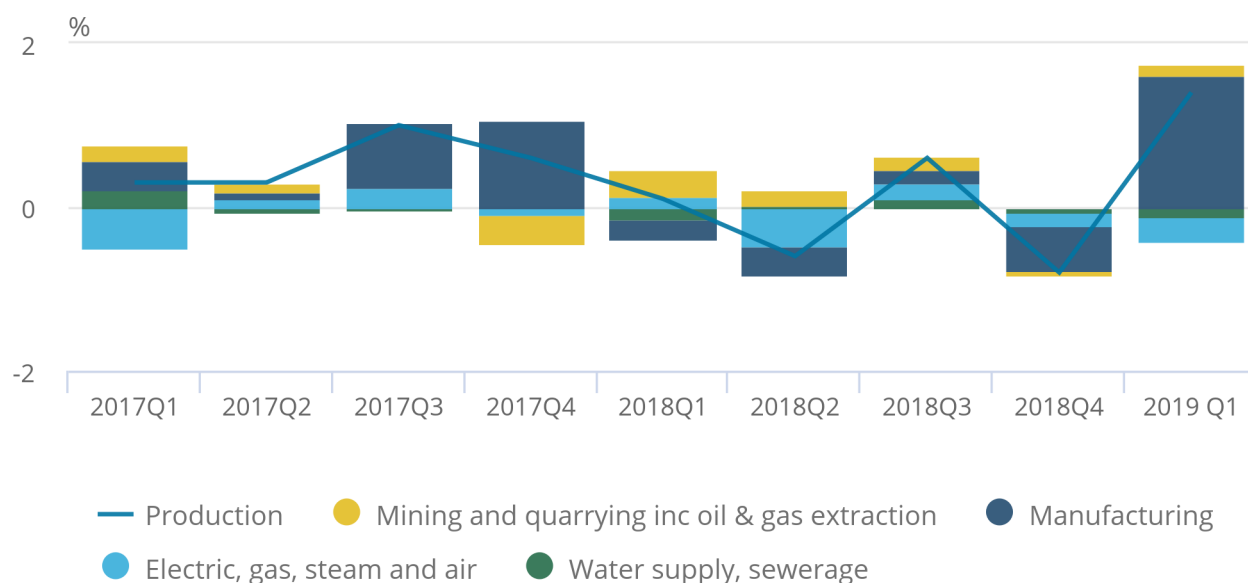
This pickup in manufacturing was also captured in the recent [Markit UK Manufacturing PMI](#) for March 2019, which recorded a 13-month high in manufacturing activity due to “companies stepping up production to build-up inventories in advance of Brexit and to also meet rising inflows of new work”. The rate at which inventories increased was the highest for any G7 country.

**Figure 4: Increase in production output in Quarter 1 2019 driven by recovery in manufacturing**

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

## Figure 4: Increase in production output in Quarter 1 2019 driven by recovery in manufacturing

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



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).

Recently, there has been much interest in the extent to which stock building has been taking place in the UK. This refers to when a business increases its holdings of intermediate and/or finished goods, which is typically in response to unexpected shocks to demand. There have been concerns that there may be disruptions at the UK border, and there has been external survey evidence that points to a sharp uptick in businesses increasing their inventories of stocks.

For instance, the latest Bank of England's Agents' Summary shows that “around half of all respondents had been building inventories as part of their contingency planning for Brexit”, while almost one-third of respondents to the latest Decision Maker's Panel Survey reported an increase in stock levels. It is difficult to unpick how much of the increase in manufacturing output in Quarter 1 2019 might reflect the increase of domestic output produced by UK manufacturers in response to the stockpiling demands by UK and/or foreign manufacturers.



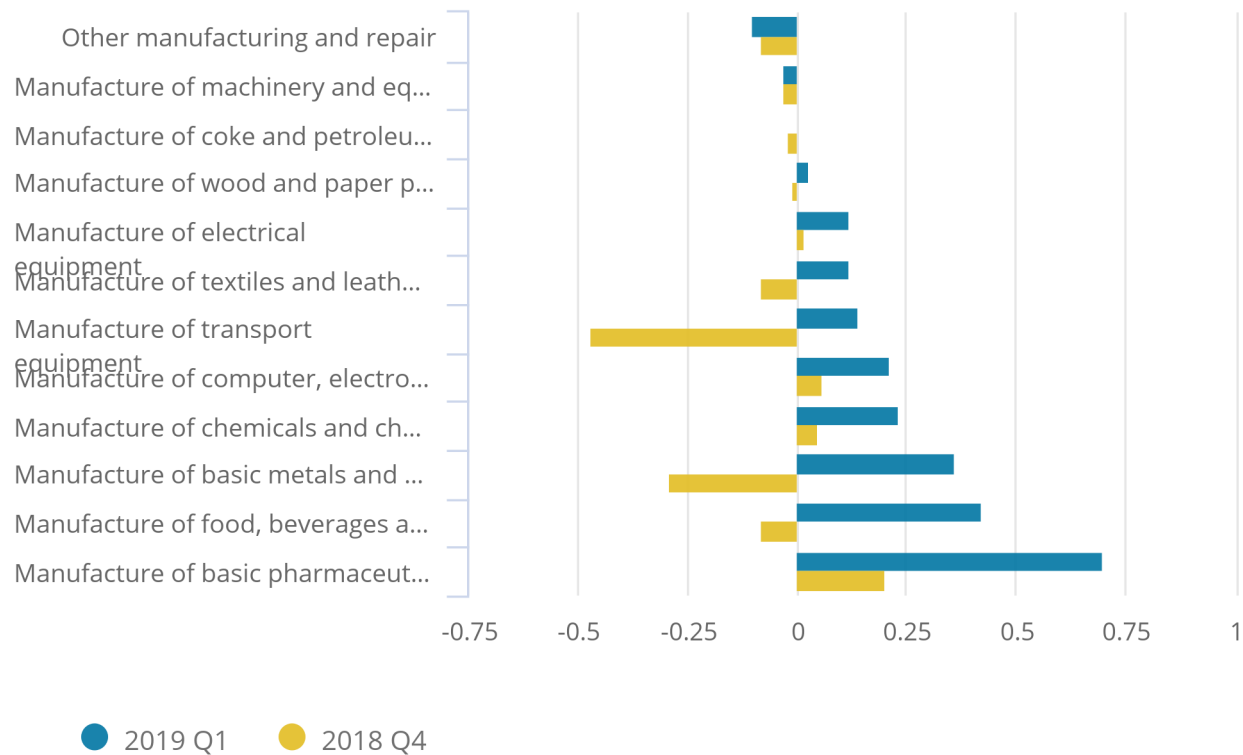
There has been widespread strength across the majority of manufacturing industries in Quarter 1 2019 (Figure 5), with the most notable growth occurring in the relatively volatile pharmaceuticals sector, which increased by 9.4%. This has been driven by widespread strength in the first three months of 2019. Despite the volatility within pharmaceuticals, we have received enough responder-led evidence that the strength over Quarter 1 2019 is due to increased exports during January and March 2019, with some of this export strength likely in anticipation of the UK's exit from the European Union at the end of March 2019.

**Figure 5: Manufacturing growth driven by widespread increases, including growth in pharmaceuticals**

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

Figure 5: Manufacturing growth driven by widespread increases, including growth in pharmaceuticals

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



Source: Office for National Statistics

Notes:

- 1. Q1 refers to Quarter 1 (Jan to Mar) and Q4 refers to Quarter 4 (Oct to Dec).

The manufacturing of food and drink recovered from a fall in Quarter 4 2018, driven by an increase in the manufacturing of alcohol products, reflecting [strong export demand](#). The manufacture of transport equipment – which includes rail, aircraft and cars – also recovered somewhat from a fall in the final quarter of 2018, increasing by 0.9%. This is at odds with the latest [SMMT data for March 2019](#), which reports a 10th consecutive monthly decline in British car production, with softening demand from Asian and European markets cited as an important factor. However, [separate analysis from SMMT](#) points towards the continued increase in the production of commercial vehicles, such as vans, trucks and buses, with the 24.5% growth in March 2019 driven by demand from both domestic and export markets.

Mining and quarrying production also bounced back in Quarter 1 2019, increasing by 2.0% following a fall in the previous quarter. This increase stems predominantly from relatively new oil fields maturing in production capacity, which has led to an increase in output in the first three months of 2019.

In contrast, electricity, gas, steam and air as well as water supply and sewerage production both fell for the second consecutive quarter in Quarter 1 2019. Warmer than average temperatures in Quarter 1 2019 lowered the demand for electricity production, while the 1.6% fall in water supply and sewerage reflected broad-based weakness across the sector in Quarter 1 2019. More information on the movements in the output production industries can be found in the [Index of Production, UK: March 2019](#) release.

Following a weak end to 2018, construction output recovered in the first quarter of 2019, increasing by 1.0%. However, this reflects to some extent the volatile monthly movements in recent months. Following a fall of 2.5% in December 2018, construction output recovered in January and February 2019, with growth of 3.3% and 0.5% respectively. The latest figures show that construction output fell by 1.9% in March 2019 (Figure 6).

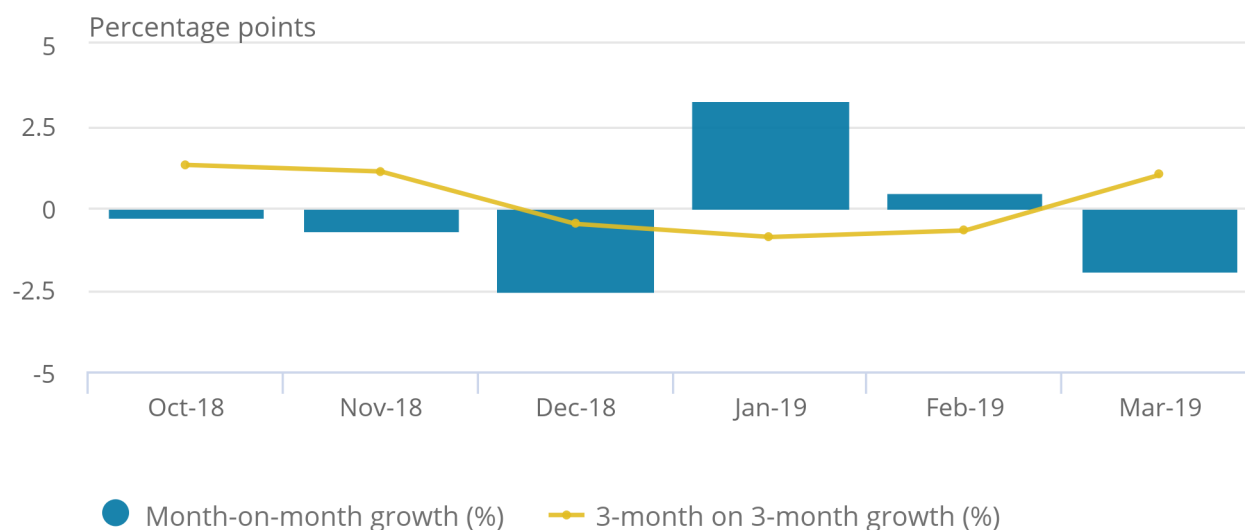
The quarterly increase in total construction output in Quarter 1 2019 resulted from the 2.9% growth in repair and maintenance work, which also recovered following a weak end to 2018. Elsewhere, growth in new construction work was flat in Quarter 1 2019, with falls in new commercial construction work offset by an increase in infrastructure output. The latest [Bank of England's Agents' Summary Survey](#) notes how "heightened caution around business investment has resulted in some commercial developments being paused or delayed".

**Figure 6: Quarter 1 2019 increase in construction output stemmed from growth in January 2019**

UK, October 2018 to March 2019

Figure 6: Quarter 1 2019 increase in construction output stemmed from growth in January 2019

UK, October 2018 to March 2019



Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar) and Q4 refers to Quarter 4 (Oct to Dec).

## 5 . Movements in imports of unspecified goods have been particularly pronounced in Quarter 1 2019, while there has also been an increase in household consumption and business investment

The expenditure measure of gross domestic product (GDP) increased by 0.5% in Quarter 1 (Jan to Mar) 2019. Private consumption, government consumption and gross capital formation (GCF) contributed positively to growth, while net trade subtracted from GDP growth in Quarter 1 2019 (Figure 7).

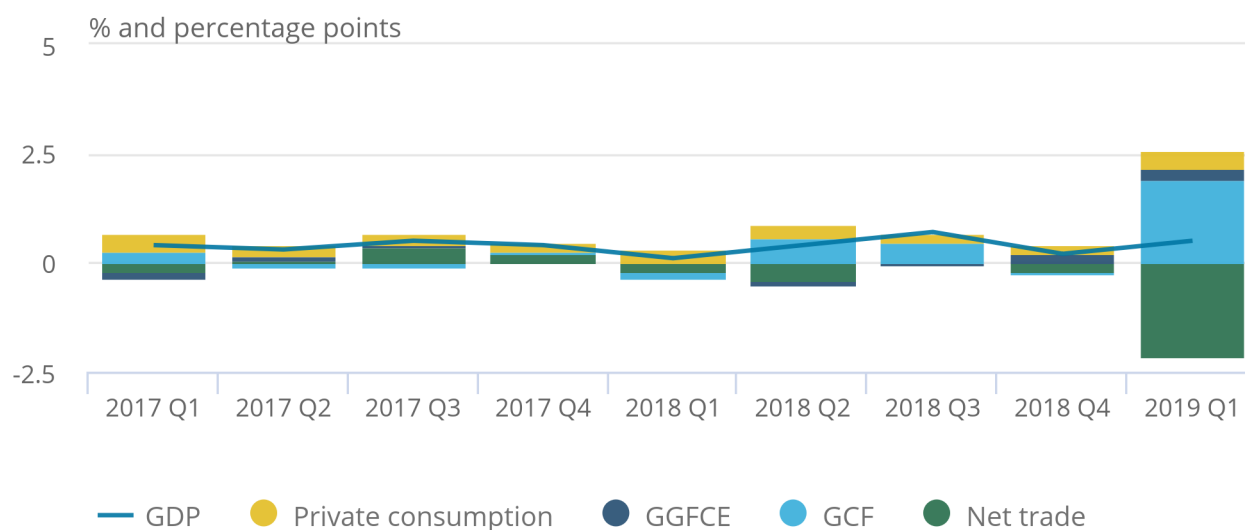
There have been some notable movements in imports of unspecified goods in the first quarter of 2019. These unspecified goods include non-monetary gold (NMG) and account for the large and offsetting impacts to gross capital formation and net trade. These movements do not affect headline GDP as they are recorded as equivalent offsetting impacts in the UK National Accounts, but this is reflected in the composition of GDP growth. [More information on how non-monetary gold \(NMG\) features in GDP is available](#). There has been a sizeable import of NMG in Quarter 1 2019, reflected in a record high in the acquisition less disposal of valuables.

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

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

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

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



Source: Office for National Statistics

#### 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. Components may not sum to total gross domestic product due to rounding and loss of additivity in data prior to open period. The statistical discrepancy is also not displayed.

Following a relatively subdued 2018, household consumption increased by 0.7% in the first three months of 2019. Although when compared with the same quarter a year ago, growth remained subdued at 1.9%. External evidence points towards continued weakness in consumer demand. The latest [Bank of England Agents' Summary of Business Conditions](#) states that "uncertainty about Brexit and the wider economy weighed on spending" in Quarter 1 2019, while the [GfK Consumer Confidence](#) index remained unchanged at negative 13 in March 2019, below its long-run average.

Government consumption increased by 1.4% in Quarter 1 2019, following growth of 1.3% in Quarter 4 (Oct to Dec) 2018. This increase reflects widespread growth in a number of areas including health, which increased by 0.7%, and other functions of central government, such as general public services and economic affairs, which increased by 9.6%.

Gross fixed capital formation (GFCF) increased by 2.1% in the first three months of 2019, mainly reflecting the 8.1% increase in general government investment. This was due to increases across a number of central government departments.

Government consumption and investment figures are based on the latest available budgetary information, provided by government departments including HM Treasury and local government. These estimates will be subject to further scrutiny when outturn information are available.

Following four consecutive quarters of decline throughout 2018, business investment grew by 0.5% in the first quarter of 2019, driven by higher investment in IT equipment and other machinery and equipment. These figures should be interpreted with some caution as early estimates of business investment can be prone to revision. External evidence suggests that investment intentions remained weak in Quarter 1 2019.

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

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

Alignment adjustments and balancing adjustments are typically applied to the inventories component to help balance the different approaches to GDP – more detail on these can be found in the Quality and methodology section of this publication. When these adjustments are removed, the underlying data show a substantial increase of £5.2 billion in stocks being held by UK companies in the most recent quarter (Table 2). [Data for previous periods are available.](#)

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

£ millions

|                        | Change in<br>inventories | Of which<br>alignment | Of which<br>balancing | Change in<br>inventories<br>excluding alignment<br>and balancing |
|------------------------|--------------------------|-----------------------|-----------------------|--|
| Current price          | 3524                     | -678                  | -2500                 | 6702   |
| Chained volume measure | 4600                     | -641                  | 0                     | 5241   |

Source: Office for National Statistics

The UK trade deficit widened to 3.4% of nominal GDP in Quarter 1 2019, the widest deficit in more than 50 years. This is largely a reflection of the volume of imports of unspecified goods, which includes non-monetary gold (NMG).

Figure 8 shows that excluding unspecified goods, the trade deficit was at 2.3% of nominal GDP in Quarter 1 2019. Export volume growth was flat, while import volumes increased by 6.8%, resulting in net trade being a significant drag on GDP growth in the first quarter of the year.

Trade in goods exports grew by 4.5% in Quarter 1 2019, reflecting increases in machinery and transport equipment and miscellaneous manufactures, while trade in services exports fell by an offsetting 5.0% due to falls in telecommunications, computer and information technology, intellectual property and other business services. The rise in imports reflects a 11.0% increase in trade in goods imports, partially offset by a 4.4% fall in trade in services imports.

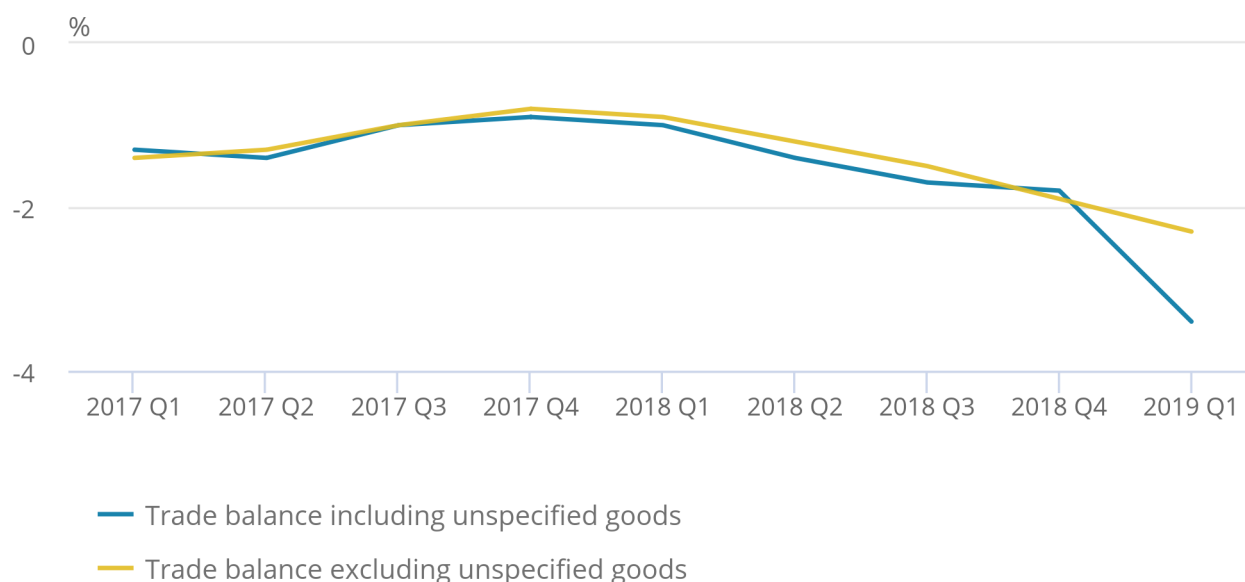
More detail on the movements in trade data can be found in the [UK trade: March 2019 release](#).

**Figure 8: UK trade deficit widened to 3.4% of nominal GDP in Quarter 1 2019 with a smaller deficit of 2.3% excluding unspecified goods**

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

Figure 8: UK trade deficit widened to 3.4% of nominal GDP in Quarter 1 2019 with a smaller deficit of 2.3% excluding unspecified goods

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



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).

## 6 . Nominal GDP rises by 1.0% in the first three months of 2019

Growth in nominal gross domestic product (GDP) strengthened in Quarter 1 (Jan to Mar) 2019, rising by 1.0% and following an increase of 0.7% in the previous quarter. This was driven by an increase of 2.5% in gross operating surplus (GOS) of corporations and a 0.9% increase in compensation of employees (CoE) (Figure 9).

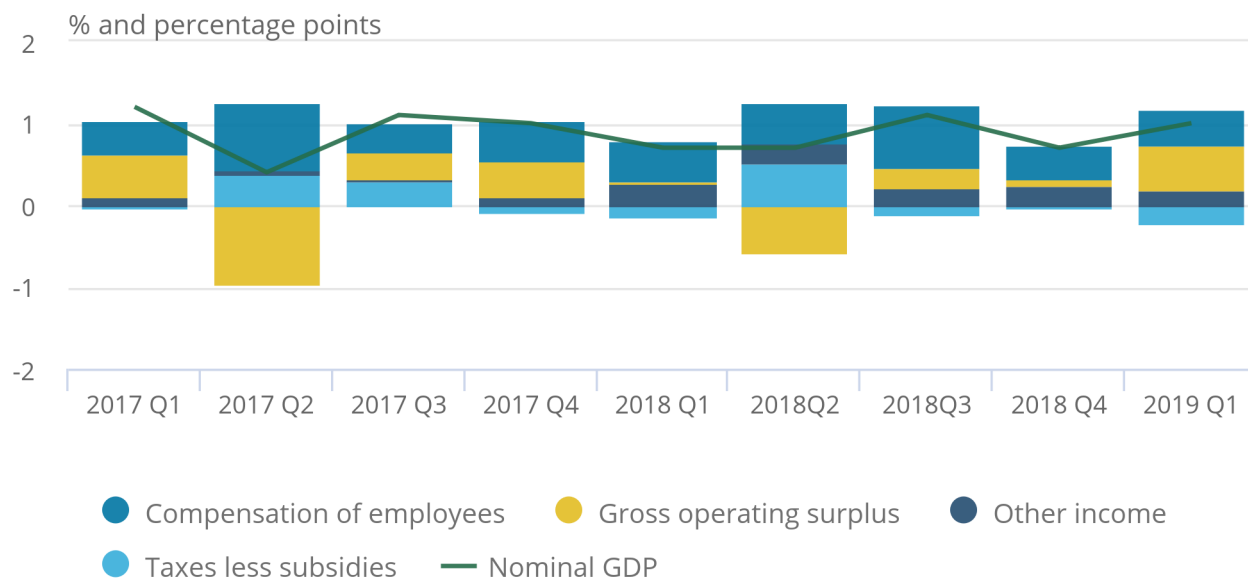
Wages and salaries grew by 0.8%, due primarily to an increase in private sector salaries, while employer social contributions grew by 1.2%, due to increased National Insurance contributions. Other income increased by 1.1%, slowing slightly from growth of 1.4% in both the final two quarters of 2018 (July to December).

### Figure 9: Nominal GDP increases by 1.0% in Quarter 1 2019

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

### Figure 9: Nominal GDP increases by 1.0% in Quarter 1 2019

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



Source: Office for National Statistics

#### Notes:

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

## 7 . Links to related statistics

### Release content

All data in this bulletin are seasonally adjusted estimates. Non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). These data can be downloaded directly from the UKEA dataset and on the UKEA main aggregates dataset table.

Data published in the UKEA reflect data as published on 29 March 2019 and will be next updated on 28 June 2019 when the Quarter 1 (Jan to Mar) 2019 Quarterly national accounts release and UKEA will become consistent.

A number of other economic indicators were published on 10 May 2019, these include:

- [GDP monthly estimate, UK: March 2019](#) release
- [data for GFCF by sector and asset](#), [revision triangles](#) and a [real time database](#)
- [Index of Services](#) release
- [Index of Production](#) release
- [Construction output in Great Britain](#) release
- [UK trade](#) release

## 8 . Are there any upcoming changes?

### Blue Book 2019

An [article announcing the scope of Blue Book 2019](#) was published in October 2018. The Blue Book 2019 will include the biggest changes to the compilation of real (adjusted for price changes) gross domestic product (GDP) in a generation. We plan to publish indicative estimates of these changes on GDP in June 2019.

### Revisions in June Quarterly National Accounts

In a change to our published [revisions policy](#), the June Quarterly National Accounts (QNA) release will be open for revisions in Quarter 1 (January to March) 2019 only.

## 9 . 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 latest two quarters where the output data takes the lead due to its larger data content.

Information on the methods we use for [Balancing the output, income and expenditure approaches to measuring GDP](#) is available. The size and direction of the quarterly alignment adjustments, when considered alongside the statistical discrepancy, in Quarter 1 (Jan to Mar) 2019 indicate that in this quarter the levels of expenditure and income are lower than the level of output.

Alignment adjustments, found in Table M of the [first quarterly estimate of GDP datasets](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the components of GDP where required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content. The balancing adjustments applied in this quarter are shown in Table 3, the resulting series should be considered accordingly.

Table 3: Balancing adjustments applied to the GDP first quarterly estimate dataset for Quarter 1 (Jan to Mar) 2019

| GDP measurement approach<br>and component adjustment applied to |  | Q1 2019              |
|---|--|----------------------|
| Expenditure   |  |                      |
| Change in inventories   |  | Current prices -2500 |
| Gross Fixed Capital Formation                                   |  | Current prices -500  |

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 Gross domestic product and gross value added<sup>1,2</sup>

2016 = 100

|  | Value indices at current prices         |                                   | Chained volume indices                  |                                   |                                 | Implied deflators <sup>3</sup> |   |                                   |
|--|---|-----------------------------------|---|-----------------------------------|---------------------------------|--------------------------------|---|-----------------------------------|
|  | Gross domestic product at market prices | Gross value added at basic prices | Gross domestic product at market prices | Gross value added at basic 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                              | L48H                            | YBFV                           | YBGB                                    | CGBV                              |
| 2015   | 96.3                                    | 96.4                              | 98.2                                    | 98.1                              | 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                             |
| 2017   | 104.1                                   | 104.0                             | 101.8                                   | 102.1                             | 103.4                           | 102.4                          | 102.2                                   | 101.9                             |
| 2018   | 107.5                                   | 107.5                             | 103.2                                   | 103.5                             | 105.1                           | 104.5                          | 104.1                                   | 103.9                             |
| <b>Seasonally adjusted</b>   |   |                                   |   |                                   |                                 |                                |   |                                   |
| 2015 Q4  | 97.0                                    | 97.1                              | 99.1                                    | 98.8                              | 98.3                            | 98.1                           | 97.9                                    | 98.2                              |
| 2016 Q1  | 98.6                                    | 98.6                              | 99.5                                    | 99.1                              | 98.8                            | 99.3                           | 99.1                                    | 99.4                              |
| Q2   | 99.4                                    | 99.4                              | 99.6                                    | 99.6                              | 99.5                            | 100.0                          | 99.8                                    | 99.9                              |
| Q3   | 100.3                                   | 100.4                             | 100.1                                   | 100.2                             | 100.3                           | 100.1                          | 100.2                                   | 100.2                             |
| Q4   | 101.7                                   | 101.7                             | 100.8                                   | 101.1                             | 101.5                           | 100.6                          | 100.9                                   | 100.5                             |
| 2017 Q1  | 103.0                                   | 102.9                             | 101.3                                   | 101.5                             | 102.7                           | 101.7                          | 101.7                                   | 101.4                             |
| Q2   | 103.3                                   | 103.3                             | 101.5                                   | 101.8                             | 103.0                           | 101.9                          | 101.8                                   | 101.5                             |
| Q3   | 104.4                                   | 104.2                             | 102.0                                   | 102.3                             | 103.7                           | 102.5                          | 102.3                                   | 101.9                             |
| Q4   | 105.5                                   | 105.4                             | 102.5                                   | 102.7                             | 104.2                           | 103.3                          | 103.0                                   | 102.7                             |
| 2018 Q1  | 106.2                                   | 106.3                             | 102.5                                   | 102.8                             | 104.3                           | 103.7                          | 103.6                                   | 103.4                             |
| Q2   | 106.9                                   | 106.6                             | 102.9                                   | 103.2                             | 104.8                           | 104.0                          | 103.9                                   | 103.3                             |
| Q3   | 108.1                                   | 108.1                             | 103.6                                   | 103.9                             | 105.7                           | 104.8                          | 104.3                                   | 104.0                             |
| Q4   | 108.9                                   | 108.9                             | 103.9                                   | 104.1                             | 105.9                           | 105.2                          | 104.8                                   | 104.6                             |
| 2019 Q1  | 109.9                                   | 110.2                             | 104.4                                   | 104.6                             | 106.5                           | 105.3                          | 105.3                                   | 105.3                             |
| <b>Percentage change, latest year on previous year</b>                             |   |                                   |   |                                   |                                 |                                |   |                                   |
|  | IHYM                                    | KGL6                              | IHYP                                    | KGM7                              | L489                            | KH7D                           | IHYS                                    | KGM4                              |
| 2015   | 2.8                                     | 2.8                               | 2.3                                     | 2.5                               | 2.8                             | -0.1                           | 0.4                                     | 0.2                               |
| 2016   | 3.9                                     | 3.8                               | 1.8                                     | 1.9                               | 2.4                             | 1.6                            | 2.1                                     | 1.9                               |
| 2017   | 4.1                                     | 4.0                               | 1.8                                     | 2.1                               | 3.4                             | 2.4                            | 2.2                                     | 1.9                               |
| 2018   | 3.3                                     | 3.4                               | 1.4                                     | 1.4                               | 1.7                             | 2.0                            | 1.9                                     | 1.9                               |
| <b>Percentage change, latest quarter on previous quarter</b>                       |   |                                   |   |                                   |                                 |                                |   |                                   |
|  | IHYN                                    | KGL8                              | IHYQ                                    | KGM9                              |                                 | KH7E                           | IHYT                                    | KGM5                              |
| 2015 Q4  | 0.5                                     | 0.5                               | 0.7                                     | 0.5                               | 0.5                             | -0.5                           | -0.3                                    | -                                 |
| 2016 Q1  | 1.6                                     | 1.5                               | 0.3                                     | 0.3                               | 0.4                             | 1.2                            | 1.3                                     | 1.2                               |
| Q2   | 0.9                                     | 0.9                               | 0.2                                     | 0.4                               | 0.7                             | 0.7                            | 0.7                                     | 0.4                               |
| Q3   | 0.9                                     | 0.9                               | 0.5                                     | 0.6                               | 0.8                             | 0.2                            | 0.4                                     | 0.3                               |
| Q4   | 1.5                                     | 1.3                               | 0.7                                     | 0.9                               | 1.2                             | 0.5                            | 0.7                                     | 0.4                               |
| 2017 Q1  | 1.2                                     | 1.3                               | 0.4                                     | 0.4                               | 1.2                             | 1.1                            | 0.8                                     | 0.9                               |
| Q2   | 0.4                                     | 0.4                               | 0.3                                     | 0.3                               | 0.3                             | 0.2                            | 0.1                                     | 0.1                               |
| Q3   | 1.1                                     | 0.9                               | 0.5                                     | 0.5                               | 0.6                             | 0.6                            | 0.5                                     | 0.3                               |
| Q4   | 1.0                                     | 1.2                               | 0.4                                     | 0.4                               | 0.5                             | 0.7                            | 0.6                                     | 0.8                               |
| 2018 Q1  | 0.7                                     | 0.8                               | 0.1                                     | -                                 | 0.1                             | 0.4                            | 0.6                                     | 0.8                               |
| Q2   | 0.7                                     | 0.3                               | 0.4                                     | 0.4                               | 0.5                             | 0.3                            | 0.3                                     | -0.1                              |
| Q3   | 1.1                                     | 1.4                               | 0.7                                     | 0.7                               | 0.8                             | 0.7                            | 0.5                                     | 0.7                               |
| Q4   | 0.7                                     | 0.8                               | 0.2                                     | 0.2                               | 0.2                             | 0.4                            | 0.4                                     | 0.6                               |
| 2019 Q1  | 1.0                                     | 1.2                               | 0.5                                     | 0.5                               | 0.6                             | -                              | 0.5                                     | 0.6                               |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |   |                                   |   |                                   |                                 |                                |   |                                   |
|  | IHYO                                    | KGM2                              | IHYR                                    | KGN3                              | L48D                            | KH7F                           | IHYU                                    | KGM6                              |
| 2015 Q4  | 2.8                                     | 2.8                               | 2.2                                     | 1.8                               | 2.0                             | -0.1                           | 0.5                                     | 0.9                               |
| 2016 Q1  | 3.9                                     | 3.6                               | 2.1                                     | 1.8                               | 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                               | 2.5                             | 1.5                            | 2.1                                     | 2.0                               |
| Q4   | 4.9                                     | 4.7                               | 1.7                                     | 2.3                               | 3.2                             | 2.5                            | 3.1                                     | 2.4                               |
| 2017 Q1  | 4.5                                     | 4.5                               | 1.8                                     | 2.4                               | 4.0                             | 2.4                            | 2.6                                     | 2.0                               |
| Q2   | 4.0                                     | 3.9                               | 1.9                                     | 2.2                               | 3.6                             | 2.0                            | 2.0                                     | 1.7                               |
| Q3   | 4.2                                     | 3.8                               | 2.0                                     | 2.1                               | 3.4                             | 2.4                            | 2.2                                     | 1.7                               |
| Q4   | 3.7                                     | 3.7                               | 1.6                                     | 1.6                               | 2.7                             | 2.7                            | 2.0                                     | 2.1                               |
| 2018 Q1  | 3.1                                     | 3.2                               | 1.2                                     | 1.2                               | 1.5                             | 2.0                            | 1.9                                     | 2.0                               |
| Q2   | 3.4                                     | 3.2                               | 1.4                                     | 1.4                               | 1.7                             | 2.1                            | 2.0                                     | 1.8                               |
| Q3   | 3.5                                     | 3.7                               | 1.6                                     | 1.6                               | 1.9                             | 2.2                            | 1.9                                     | 2.1                               |
| Q4   | 3.2                                     | 3.3                               | 1.4                                     | 1.4                               | 1.6                             | 1.9                            | 1.8                                     | 1.9                               |
| 2019 Q1  | 3.5                                     | 3.6                               | 1.8                                     | 1.8                               | 2.1                             | 1.5                            | 1.6                                     | 1.8                               |

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 Gross domestic product and gross value added<sup>1</sup>

£ million

|  | At current prices                       |  |                                   | Chained volume measures (Reference year 2016) |  |                                   |  |
|--|---|--|-----------------------------------|---|--|-----------------------------------|--|
|  | Gross domestic product at market prices | less Basic price adjustment <sup>2</sup> | Gross value added at basic prices | Gross domestic product at market prices       | less Basic price adjustment <sup>2</sup> | Gross value added at basic prices | Gross value added excluding oil & gas <sup>3</sup> |
|  | YBHA                                    | NTAP                                     | ABML                              | ABMI  | NTAO                                     | ABMM                              | KLS2   |
| 2015   | 1 895 839                               | 203 800                                  | 1 692 039                         | 1 934 903                                     | 211 411                                  | 1 723 523                         | 1 711 310  |
| 2016   | 1 969 524                               | 213 479                                  | 1 756 045                         | 1 969 524                                     | 213 479                                  | 1 756 045                         | 1 743 298  |
| 2017   | 2 049 629                               | 223 756                                  | 1 825 873                         | 2 005 427                                     | 213 165                                  | 1 792 262                         | 1 779 831  |
| 2018   | 2 117 724                               | 230 599                                  | 1 887 125                         | 2 033 455                                     | 216 350                                  | 1 817 105                         | 1 803 884  |
| <b>Seasonally adjusted</b>   |   |  |                                   |   |  |                                   |  |
| 2015 Q4  | 477 774                                 | 51 676                                   | 426 098                           | 488 153                                       | 54 358                                   | 433 845                           | 430 760  |
| 2016 Q1  | 485 326                                 | 52 667                                   | 432 659                           | 489 736                                       | 54 606                                   | 435 169                           | 432 081  |
| Q2   | 489 494                                 | 52 981                                   | 436 513                           | 490 502                                       | 53 391                                   | 437 116                           | 433 934  |
| Q3   | 493 730                                 | 53 153                                   | 440 577                           | 492 816                                       | 52 908                                   | 439 892                           | 436 496  |
| Q4   | 500 974                                 | 54 678                                   | 446 296                           | 496 470                                       | 52 574                                   | 443 868                           | 440 787  |
| 2017 Q1  | 507 028                                 | 55 076                                   | 451 952                           | 498 582                                       | 52 979                                   | 445 603                           | 442 478  |
| Q2   | 508 869                                 | 55 297                                   | 453 572                           | 499 885                                       | 53 144                                   | 446 741                           | 443 583  |
| Q3   | 514 258                                 | 56 810                                   | 457 448                           | 502 473                                       | 53 425                                   | 449 048                           | 445 876  |
| Q4   | 519 474                                 | 56 573                                   | 462 901                           | 504 487                                       | 53 617                                   | 450 870                           | 447 894  |
| 2018 Q1  | 522 891                                 | 56 262                                   | 466 629                           | 504 785                                       | 53 697                                   | 451 088                           | 447 868  |
| Q2   | 526 394                                 | 58 439                                   | 467 955                           | 506 842                                       | 53 924                                   | 452 918                           | 449 619  |
| Q3   | 532 444                                 | 58 049                                   | 474 395                           | 510 346                                       | 54 296                                   | 456 050                           | 452 682  |
| Q4   | 535 995                                 | 57 849                                   | 478 146                           | 511 482                                       | 54 433                                   | 457 049                           | 453 715  |
| 2019 Q1  | 541 160                                 | 57 511                                   | 483 649                           | 514 019                                       | 54 689                                   | 459 330                           | 455 945  |
| <b>Percentage change, latest year on previous year</b>                             |   |  |                                   |   |  |                                   |  |
|  | IHYM                                    |  | KGL6                              | IHYP  |  | KGM7                              | KLH8   |
| 2015   | 2.8                                     |  | 2.8                               | 2.3   |  | 2.5                               | 2.5  |
| 2016   | 3.9                                     |  | 3.8                               | 1.8   |  | 1.9                               | 1.9  |
| 2017   | 4.1                                     |  | 4.0                               | 1.8   |  | 2.1                               | 2.1  |
| 2018   | 3.3                                     |  | 3.4                               | 1.4   |  | 1.4                               | 1.4  |
| <b>Percentage change, latest quarter on previous quarter</b>                       |   |  |                                   |   |  |                                   |  |
|  | IHYN                                    |  | KGL8                              | IHYQ  |  | KGM9                              |  |
| 2015 Q4  | 0.5                                     |  | 0.5                               | 0.7   |  | 0.5                               | 0.5  |
| 2016 Q1  | 1.6                                     |  | 1.5                               | 0.3   |  | 0.3                               | 0.3  |
| Q2   | 0.9                                     |  | 0.9                               | 0.2   |  | 0.4                               | 0.4  |
| Q3   | 0.9                                     |  | 0.9                               | 0.5   |  | 0.6                               | 0.6  |
| Q4   | 1.5                                     |  | 1.3                               | 0.7   |  | 0.9                               | 1.0  |
| 2017 Q1  | 1.2                                     |  | 1.3                               | 0.4   |  | 0.4                               | 0.4  |
| Q2   | 0.4                                     |  | 0.4                               | 0.3   |  | 0.3                               | 0.2  |
| Q3   | 1.1                                     |  | 0.9                               | 0.5   |  | 0.5                               | 0.5  |
| Q4   | 1.0                                     |  | 1.2                               | 0.4   |  | 0.4                               | 0.5  |
| 2018 Q1  | 0.7                                     |  | 0.8                               | 0.1   |  | —                                 | —  |
| Q2   | 0.7                                     |  | 0.3                               | 0.4   |  | 0.4                               | 0.4  |
| Q3   | 1.1                                     |  | 1.4                               | 0.7   |  | 0.7                               | 0.7  |
| Q4   | 0.7                                     |  | 0.8                               | 0.2   |  | 0.2                               | 0.2  |
| 2019 Q1  | 1.0                                     |  | 1.2                               | 0.5   |  | 0.5                               | 0.5  |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |   |  |                                   |   |  |                                   |  |
|  | IHYO                                    |  | KGM2                              | IHYR  |  | KGN3                              | KLH9   |
| 2015 Q4  | 2.8                                     |  | 2.8                               | 2.2   |  | 1.8                               | 1.7  |
| 2016 Q1  | 3.9                                     |  | 3.6                               | 2.1   |  | 1.8                               | 1.7  |
| Q2   | 3.0                                     |  | 2.8                               | 1.7   |  | 1.6                               | 1.6  |
| Q3   | 3.8                                     |  | 3.9                               | 1.7   |  | 1.9                               | 1.9  |
| Q4   | 4.9                                     |  | 4.7                               | 1.7   |  | 2.3                               | 2.3  |
| 2017 Q1  | 4.5                                     |  | 4.5                               | 1.8   |  | 2.4                               | 2.4  |
| Q2   | 4.0                                     |  | 3.9                               | 1.9   |  | 2.2                               | 2.2  |
| Q3   | 4.2                                     |  | 3.8                               | 2.0   |  | 2.1                               | 2.1  |
| Q4   | 3.7                                     |  | 3.7                               | 1.6   |  | 1.6                               | 1.6  |
| 2018 Q1  | 3.1                                     |  | 3.2                               | 1.2   |  | 1.2                               | 1.2  |
| Q2   | 3.4                                     |  | 3.2                               | 1.4   |  | 1.4                               | 1.4  |
| Q3   | 3.5                                     |  | 3.7                               | 1.6   |  | 1.6                               | 1.5  |
| Q4   | 3.2                                     |  | 3.3                               | 1.4   |  | 1.4                               | 1.3  |
| 2019 Q1  | 3.5                                     |  | 3.6                               | 1.8   |  | 1.8                               | 1.8  |

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

2 Taxes on products less subsidies.

3 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<sup>1,2</sup>

2016 = 100

|  | Production                           |  |                 |                            |                        |       |                | Service industries                     |  |                               |                                 |       |                                | Gross value added excluding oil & gas |
|--|--------------------------------------|--|-----------------|----------------------------|------------------------|-------|----------------|--|--|-------------------------------|---------------------------------|-------|--------------------------------|---------------------------------------|
|  | Agri- culture, forestry, and fishing | Mining & quarrying inc oil & gas extract | Manu- facturing | Electric, gas, steam & air | Water supply, sewerage | Total | Constr- uction | Distri- bution, hotels & restaura- nts | Transport storage and commu- nications | Business services and finance | Govern- ment and other services | Total | Gross value added <sup>4</sup> |                                       |
| <b>2016 Weights<sup>3</sup></b>  | 7                                    | 10                                       | 100             | 17                         | 10                     | 138   | 60             | 134                                    | 106                                    | 335                           | 221                             | 796   | 1000                           | 993                                   |
|  | L2KL                                 | L2KR                                     | L2KX            | L2MW                       | L2N2                   | L2KQ  | L2N8           | L2PZ                                   | KI8M                                   | KI8O                          | KI8Q                            | L2NC  | CGCE                           | KLH7                                  |
| 2015   | 106.0                                | 99.7                                     | 99.6            | 97.9                       | 94.7                   | 99.0  | 96.1           | 96.3                                   | 96.7                                   | 98.0                          | 100.0                           | 98.1  | 98.1                           | 98.2                                  |
| 2016   | 100.0                                | 100.0                                    | 100.0           | 100.0                      | 100.0                  | 100.0 | 100.0          | 100.0                                  | 100.0                                  | 100.0                         | 100.0                           | 100.0 | 100.0                          | 100.0                                 |
| 2017   | 103.0                                | 99.4                                     | 102.5           | 98.4                       | 103.4                  | 101.8 | 107.1          | 102.2                                  | 104.9                                  | 102.2                         | 100.6                           | 102.1 | 102.1                          | 102.1                                 |
| 2018   | 100.6                                | 103.7                                    | 103.4           | 97.9                       | 101.9                  | 102.6 | 107.4          | 105.1                                  | 108.9                                  | 103.8                         | 100.9                           | 103.9 | 103.5                          | 103.5                                 |
| <b>Seasonally adjusted</b>   |                                      |  |                 |                            |                        |       |                |  |  |                               |                                 |       |                                |                                       |
| 2015 Q4  | 104.6                                | 99.7                                     | 99.2            | 96.1                       | 96.0                   | 98.6  | 97.2           | 97.6                                   | 97.7                                   | 98.9                          | 100.5                           | 98.9  | 98.8                           | 98.8                                  |
| 2016 Q1  | 100.7                                | 97.9                                     | 99.0            | 98.1                       | 97.8                   | 98.7  | 97.5           | 98.7                                   | 98.0                                   | 99.3                          | 100.3                           | 99.3  | 99.1                           | 99.1                                  |
| Q2   | 99.7                                 | 100.1                                    | 100.2           | 102.5                      | 100.5                  | 100.5 | 99.2           | 99.2                                   | 98.2                                   | 99.6                          | 99.9                            | 99.4  | 99.6                           | 99.6                                  |
| Q3   | 99.5                                 | 105.1                                    | 99.7            | 98.5                       | 100.6                  | 100.1 | 100.2          | 100.1                                  | 101.0                                  | 100.3                         | 99.8                            | 100.2 | 100.2                          | 100.2                                 |
| Q4   | 100.1                                | 97.0                                     | 101.0           | 100.9                      | 101.2                  | 100.7 | 103.1          | 101.9                                  | 102.8                                  | 100.8                         | 100.0                           | 101.0 | 101.1                          | 101.1                                 |
| 2017 Q1  | 102.2                                | 99.4                                     | 101.5           | 96.9                       | 104.3                  | 101.0 | 106.5          | 101.7                                  | 103.3                                  | 101.6                         | 100.5                           | 101.5 | 101.5                          | 101.5                                 |
| Q2   | 102.8                                | 100.9                                    | 101.6           | 97.8                       | 103.4                  | 101.2 | 106.7          | 102.0                                  | 104.5                                  | 101.8                         | 100.7                           | 101.9 | 101.8                          | 101.8                                 |
| Q3   | 103.5                                | 101.0                                    | 102.7           | 99.9                       | 102.9                  | 102.2 | 107.4          | 102.5                                  | 105.2                                  | 102.4                         | 100.7                           | 102.3 | 102.3                          | 102.3                                 |
| Q4   | 103.3                                | 96.4                                     | 104.2           | 99.2                       | 102.9                  | 102.9 | 107.7          | 102.7                                  | 106.6                                  | 102.8                         | 100.4                           | 102.6 | 102.7                          | 102.8                                 |
| 2018 Q1  | 101.1                                | 100.8                                    | 103.9           | 100.3                      | 100.9                  | 103.0 | 106.1          | 103.1                                  | 106.8                                  | 103.3                         | 100.5                           | 103.0 | 102.8                          | 102.8                                 |
| Q2   | 100.2                                | 103.4                                    | 103.4           | 96.5                       | 101.5                  | 102.4 | 106.7          | 104.9                                  | 108.1                                  | 103.6                         | 100.6                           | 103.6 | 103.2                          | 103.2                                 |
| Q3   | 100.1                                | 105.7                                    | 103.6           | 98.1                       | 103.1                  | 103.0 | 108.6          | 106.0                                  | 110.0                                  | 103.9                         | 100.9                           | 104.2 | 103.9                          | 103.9                                 |
| Q4   | 100.8                                | 104.8                                    | 102.8           | 96.6                       | 102.2                  | 102.2 | 108.0          | 106.3                                  | 110.8                                  | 104.3                         | 101.5                           | 104.7 | 104.1                          | 104.1                                 |
| 2019 Q1  | 99.0                                 | 106.9                                    | 105.1           | 94.4                       | 100.5                  | 103.6 | 109.2          | 107.5                                  | 111.6                                  | 104.2                         | 101.7                           | 105.1 | 104.6                          | 104.6                                 |
| <b>Percentage change, latest year on previous year</b>                             |                                      |  |                 |                            |                        |       |                |  |  |                               |                                 |       |                                |                                       |
|  | L3BB                                 | L3BH                                     | L3BN            | L3DM                       | L3DQ                   | L3BG  | L3DW           | L3GP                                   | KI8L                                   | KI8N                          | KI8P                            | L3E2  | KGM7                           | KLH8                                  |
| 2015   | 1.1                                  | 8.0                                      | —               | 1.0                        | 3.4                    | 1.2   | 4.4            | 4.5                                    | 4.1                                    | 2.6                           | 0.9                             | 2.7   | 2.5                            | 2.5                                   |
| 2016   | -5.6                                 | 0.3                                      | 0.4             | 2.1                        | 5.6                    | 1.0   | 4.1            | 3.8                                    | 3.4                                    | 2.1                           | —                               | 1.9   | 1.9                            | 1.9                                   |
| 2017   | 3.0                                  | -0.6                                     | 2.5             | -1.6                       | 3.4                    | 1.8   | 7.1            | 2.2                                    | 4.9                                    | 2.2                           | 0.6                             | 2.1   | 2.1                            | 2.1                                   |
| 2018   | -2.3                                 | 4.3                                      | 0.9             | -0.6                       | -1.4                   | 0.8   | 0.3            | 2.8                                    | 3.8                                    | 1.6                           | 0.3                             | 1.7   | 1.4                            | 1.4                                   |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                                      |  |                 |                            |                        |       |                |  |  |                               |                                 |       |                                |                                       |
|  |                                      |  |                 |                            |                        |       |                |  |  |                               |                                 |       | KGM9                           |                                       |
| 2015 Q4  | -1.7                                 | -2.0                                     | -0.2            | -2.4                       | 0.3                    | -0.6  | 1.5            | 1.0                                    | 0.6                                    | 0.7                           | 0.3                             | 0.6   | 0.5                            | 0.5                                   |
| 2016 Q1  | -3.7                                 | -1.9                                     | -0.1            | 2.1                        | 1.8                    | 0.1   | 0.3            | 1.1                                    | 0.4                                    | 0.5                           | -0.2                            | 0.4   | 0.3                            | 0.3                                   |
| Q2   | -1.1                                 | 2.2                                      | 1.2             | 4.6                        | 2.8                    | 1.8   | 1.7            | 0.5                                    | 0.2                                    | 0.3                           | -0.4                            | 0.1   | 0.4                            | 0.4                                   |
| Q3   | -0.2                                 | 5.1                                      | -0.5            | -3.9                       | 0.1                    | -0.4  | 1.1            | 0.9                                    | 2.9                                    | 0.7                           | -0.1                            | 0.8   | 0.6                            | 0.6                                   |
| Q4   | 0.6                                  | -7.8                                     | 1.3             | 2.4                        | 0.6                    | 0.6   | 2.9            | 1.7                                    | 1.8                                    | 0.5                           | 0.1                             | 0.8   | 0.9                            | 1.0                                   |
| 2017 Q1  | 2.1                                  | 2.6                                      | 0.5             | -3.9                       | 3.1                    | 0.3   | 3.2            | -0.2                                   | 0.4                                    | 0.8                           | 0.5                             | 0.5   | 0.4                            | 0.4                                   |
| Q2   | 0.6                                  | 1.5                                      | 0.1             | 0.9                        | -0.8                   | 0.3   | 0.2            | 0.3                                    | 1.2                                    | 0.2                           | 0.3                             | 0.4   | 0.3                            | 0.2                                   |
| Q3   | 0.6                                  | 0.1                                      | 1.1             | 2.2                        | -0.5                   | 1.0   | 0.7            | 0.5                                    | 0.7                                    | 0.6                           | -0.1                            | 0.4   | 0.5                            | 0.5                                   |
| Q4   | -0.1                                 | -4.5                                     | 1.5             | -0.8                       | —                      | 0.6   | 0.3            | 0.2                                    | 1.3                                    | 0.4                           | -0.3                            | 0.3   | 0.4                            | 0.5                                   |
| 2018 Q1  | -2.1                                 | 4.6                                      | -0.3            | 1.1                        | -1.9                   | 0.1   | -1.5           | 0.3                                    | 0.2                                    | 0.5                           | 0.1                             | 0.3   | —                              | —                                     |
| Q2   | -0.9                                 | 2.5                                      | -0.5            | -3.7                       | 0.6                    | -0.6  | 0.5            | 1.7                                    | 1.2                                    | 0.2                           | 0.1                             | 0.6   | 0.4                            | 0.4                                   |
| Q3   | -0.1                                 | 2.2                                      | 0.2             | 1.6                        | 1.6                    | 0.6   | 1.8            | 1.0                                    | 1.8                                    | 0.3                           | 0.3                             | 0.6   | 0.7                            | 0.7                                   |
| Q4   | 0.6                                  | -0.8                                     | -0.7            | -1.5                       | -0.9                   | -0.8  | -0.5           | 0.3                                    | 0.8                                    | 0.4                           | 0.6                             | 0.5   | 0.2                            | 0.2                                   |
| 2019 Q1  | -1.8                                 | 2.0                                      | 2.2             | -2.3                       | -1.7                   | 1.4   | 1.0            | 1.1                                    | 0.7                                    | —                             | 0.2                             | 0.3   | 0.5                            | 0.5                                   |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                                      |  |                 |                            |                        |       |                |  |  |                               |                                 |       |                                |                                       |
|  | L3ZZ                                 | L427                                     | L42D            | L44C                       | L44G                   | L426  | L44M           | L47F                                   | KI12                                   | KI19                          | KI18                            | L44Q  | KGN3                           | KLH9                                  |
| 2015 Q4  | -2.6                                 | 7.6                                      | -1.1            | -1.0                       | 5.1                    | 0.3   | 3.3            | 3.9                                    | 2.8                                    | 2.0                           | 0.5                             | 2.0   | 1.8                            | 1.7                                   |
| 2016 Q1  | -5.0                                 | 3.3                                      | -1.1            | -1.4                       | 6.8                    | -0.1  | 2.5            | 3.9                                    | 2.6                                    | 2.1                           | 0.8                             | 2.1   | 1.8                            | 1.7                                   |
| Q2   | -6.8                                 | -2.5                                     | 0.5             | 5.0                        | 5.4                    | 1.0   | 3.0            | 3.2                                    | 1.8                                    | 2.0                           | -0.1                            | 1.6   | 1.6                            | 1.6                                   |
| Q3   | -6.5                                 | 3.3                                      | 0.4             | 0.1                        | 5.1                    | 0.9   | 4.7            | 3.7                                    | 4.0                                    | 2.1                           | -0.3                            | 1.9   | 1.9                            | 1.9                                   |
| Q4   | -4.3                                 | -2.8                                     | 1.9             | 5.0                        | 5.3                    | 2.1   | 6.1            | 4.4                                    | 5.3                                    | 1.9                           | -0.5                            | 2.1   | 2.3                            | 2.3                                   |
| 2017 Q1  | 1.5                                  | 1.6                                      | 2.5             | -1.2                       | 6.7                    | 2.3   | 9.2            | 3.0                                    | 5.4                                    | 2.3                           | 0.2                             | 2.2   | 2.4                            | 2.4                                   |
| Q2   | 3.2                                  | 0.9                                      | 1.4             | -4.6                       | 2.9                    | 0.7   | 7.6            | 2.7                                    | 6.4                                    | 2.2                           | 0.8                             | 2.5   | 2.2                            | 2.2                                   |
| Q3   | 4.0                                  | -4.0                                     | 3.0             | 1.4                        | 2.3                    | 2.2   | 7.1            | 2.4                                    | 4.2                                    | 2.1                           | 0.8                             | 2.1   | 2.1                            | 2.1                                   |
| Q4   | 3.2                                  | -0.5                                     | 3.2             | -1.7                       | 1.7                    | 2.2   | 4.5            | 0.8                                    | 3.7                                    | 2.0                           | 0.4                             | 1.6   | 1.6                            | 1.6                                   |
| 2018 Q1  | -1.0                                 | 1.4                                      | 2.3             | 3.5                        | -3.2                   | 2.0   | -0.3           | 1.4                                    | 3.4                                    | 1.7                           | —                               | 1.4   | 1.2                            | 1.2                                   |
| Q2   | -2.5                                 | 2.5                                      | 1.7             | -1.3                       | -1.8                   | 1.1   | —              | 2.9                                    | 3.4                                    | 1.7                           | -0.1                            | 1.6   | 1.4                            | 1.4                                   |
| Q3   | -3.2                                 | 4.6                                      | 0.9             | -1.9                       | 0.2                    | 0.8   | 1.2            | 3.4                                    | 4.5                                    | 1.4                           | 0.3                             | 1.9   | 1.6                            | 1.5                                   |
| Q4   | -2.5                                 | 8.7                                      | -1.3            | -2.5                       | -0.7                   | -0.7  | 0.3            | 3.5                                    | 3.9                                    | 1.4                           | 1.1                             | 2.0   | 1.4                            | 1.3                                   |
| 2019 Q1  | -2.2                                 | 6.0                                      | 1.2             | -5.9                       | -0.4                   | 0.6   | 2.8            | 4.3                                    | 4.5                                    | 0.9                           | 1.2                             | 2.0   | 1.8                            | 1.8                                   |

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

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

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

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

# B2 Gross value added at chained volume measures basic prices, by category of output<sup>1,2</sup>

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 <sup>4</sup> | Total services |
| <b>2016 Weights<sup>3</sup></b>  | 104                        | 106                                   | 30                            | 73                                 | 138         | 123                                     | 47                                     | 59        | 75                     | 40                          | 796            |
|  | L2NE                       | KI8M                                  | L2NQ                          | L2O6                               | L2OC        | L2OH                                    | L2P8                                   | L2PA      | L2PC                   | L2Q5                        | L2NC           |
| 2015   | 95.8                       | 96.7                                  | 98.5                          | 96.6                               | 99.4        | 97.2                                    | 101.8                                  | 100.6     | 98.4                   | 100.2                       | 98.1           |
| 2016   | 100.0                      | 100.0                                 | 100.0                         | 100.0                              | 100.0       | 100.0                                   | 100.0                                  | 100.0     | 100.0                  | 100.0                       | 100.0          |
| 2017   | 102.1                      | 104.9                                 | 102.8                         | 100.2                              | 101.0       | 104.6                                   | 100.2                                  | 100.6     | 99.7                   | 102.6                       | 102.1          |
| 2018   | 105.0                      | 108.9                                 | 105.4                         | 98.5                               | 102.0       | 108.8                                   | 101.2                                  | 100.9     | 100.2                  | 101.6                       | 103.9          |
| <b>Seasonally adjusted</b>   |                            |                                       |                               |                                    |             |   |  |           |                        |                             |                |
| 2015 Q4  | 96.9                       | 97.7                                  | 100.4                         | 97.1                               | 100.3       | 98.3                                    | 101.1                                  | 101.0     | 99.4                   | 101.2                       | 98.9           |
| 2016 Q1  | 98.6                       | 98.0                                  | 99.2                          | 98.7                               | 100.5       | 98.4                                    | 100.5                                  | 100.5     | 100.1                  | 99.9                        | 99.3           |
| Q2   | 99.2                       | 98.2                                  | 99.3                          | 99.4                               | 99.9        | 99.4                                    | 99.8                                   | 99.8      | 100.1                  | 99.7                        | 99.4           |
| Q3   | 100.2                      | 101.0                                 | 100.1                         | 101.2                              | 99.7        | 100.4                                   | 99.8                                   | 99.7      | 100.0                  | 99.7                        | 100.2          |
| Q4   | 102.0                      | 102.8                                 | 101.5                         | 100.7                              | 99.9        | 101.8                                   | 99.8                                   | 100.0     | 99.7                   | 100.6                       | 101.0          |
| 2017 Q1  | 101.4                      | 103.3                                 | 102.7                         | 101.2                              | 100.5       | 103.1                                   | 99.8                                   | 100.9     | 99.7                   | 102.0                       | 101.5          |
| Q2   | 101.8                      | 104.5                                 | 102.6                         | 100.5                              | 101.0       | 103.4                                   | 100.3                                  | 100.5     | 100.0                  | 103.1                       | 101.9          |
| Q3   | 102.4                      | 105.2                                 | 102.9                         | 99.9                               | 101.3       | 105.1                                   | 100.1                                  | 100.5     | 99.7                   | 103.4                       | 102.3          |
| Q4   | 102.7                      | 106.6                                 | 102.8                         | 99.3                               | 101.3       | 106.6                                   | 100.5                                  | 100.4     | 99.6                   | 101.8                       | 102.6          |
| 2018 Q1  | 102.9                      | 106.8                                 | 103.5                         | 99.2                               | 101.7       | 107.6                                   | 100.6                                  | 100.4     | 99.9                   | 101.6                       | 103.0          |
| Q2   | 104.7                      | 108.1                                 | 105.4                         | 98.8                               | 101.8       | 108.3                                   | 101.1                                  | 101.0     | 99.6                   | 101.5                       | 103.6          |
| Q3   | 105.9                      | 110.0                                 | 106.1                         | 98.4                               | 102.0       | 109.2                                   | 101.6                                  | 100.9     | 100.1                  | 101.7                       | 104.2          |
| Q4   | 106.3                      | 110.8                                 | 106.5                         | 97.4                               | 102.7       | 110.1                                   | 101.6                                  | 101.5     | 101.3                  | 101.7                       | 104.7          |
| 2019 Q1  | 107.5                      | 111.6                                 | 107.4                         | 97.1                               | 103.0       | 109.8                                   | 101.7                                  | 101.9     | 101.6                  | 101.8                       | 105.1          |
| <b>Percentage change, latest year on previous year</b>                                 |                            |                                       |                               |                                    |             |   |  |           |                        |                             |                |
|  | L3E4                       | KI8L                                  | L3EG                          | L3EU                               | L3F2        | L3F7                                    | L3FW                                   | L3FY      | L3G2                   | L3GT                        | L3E2           |
| 2015   | 4.5                        | 4.1                                   | 4.8                           | -2.9                               | 3.5         | 5.1                                     | -1.9                                   | 1.7       | 1.5                    | 2.0                         | 2.7            |
| 2016   | 4.4                        | 3.4                                   | 1.5                           | 3.5                                | 0.6         | 2.9                                     | -1.8                                   | -0.6      | 1.6                    | -0.2                        | 1.9            |
| 2017   | 2.1                        | 4.9                                   | 2.8                           | 0.2                                | 1.0         | 4.6                                     | 0.2                                    | 0.6       | -0.3                   | 2.6                         | 2.1            |
| 2018   | 2.8                        | 3.8                                   | 2.5                           | -1.8                               | 1.0         | 4.1                                     | 1.0                                    | 0.4       | 0.5                    | -0.9                        | 1.7            |
| <b>Percentage change, latest quarter on previous quarter</b>                           |                            |                                       |                               |                                    |             |   |  |           |                        |                             |                |
| 2015 Q4  | 0.8                        | 0.6                                   | 2.0                           | 2.0                                | 0.2         | 0.4                                     | -0.2                                   | 0.2       | 0.4                    | 0.9                         | 0.6            |
| 2016 Q1  | 1.8                        | 0.4                                   | -1.2                          | 1.7                                | 0.1         | 0.1                                     | -0.6                                   | -0.5      | 0.8                    | -1.2                        | 0.4            |
| Q2   | 0.6                        | 0.2                                   | 0.1                           | 0.8                                | -0.5        | 0.9                                     | -0.6                                   | -0.7      | -                      | -0.2                        | 0.1            |
| Q3   | 0.9                        | 2.9                                   | 0.8                           | 1.8                                | -0.2        | 1.0                                     | -                                      | -0.1      | -0.1                   | -                           | 0.8            |
| Q4   | 1.8                        | 1.8                                   | 1.4                           | -0.4                               | 0.1         | 1.5                                     | -                                      | 0.3       | -0.3                   | 0.9                         | 0.8            |
| 2017 Q1  | -0.6                       | 0.4                                   | 1.2                           | 0.5                                | 0.6         | 1.3                                     | -                                      | 0.9       | -                      | 1.4                         | 0.5            |
| Q2   | 0.4                        | 1.2                                   | -0.1                          | -0.7                               | 0.6         | 0.3                                     | 0.4                                    | -0.4      | 0.2                    | 1.1                         | 0.4            |
| Q3   | 0.6                        | 0.7                                   | 0.2                           | -0.6                               | 0.3         | 1.6                                     | -0.2                                   | -         | -0.3                   | 0.3                         | 0.4            |
| Q4   | 0.3                        | 1.3                                   | -                             | -0.6                               | 0.1         | 1.4                                     | 0.4                                    | -0.1      | -0.1                   | -1.5                        | 0.3            |
| 2018 Q1  | 0.2                        | 0.2                                   | 0.7                           | -                                  | 0.3         | 0.9                                     | 0.1                                    | -         | 0.3                    | -0.2                        | 0.3            |
| Q2   | 1.7                        | 1.2                                   | 1.8                           | -0.5                               | 0.1         | 0.7                                     | 0.5                                    | 0.5       | -0.3                   | -0.1                        | 0.6            |
| Q3   | 1.2                        | 1.8                                   | 0.6                           | -0.4                               | 0.2         | 0.8                                     | 0.6                                    | -0.1      | 0.5                    | 0.2                         | 0.6            |
| Q4   | 0.3                        | 0.8                                   | 0.4                           | -1.0                               | 0.7         | 0.8                                     | -                                      | 0.6       | 1.3                    | -                           | 0.5            |
| 2019 Q1  | 1.2                        | 0.7                                   | 0.9                           | -0.4                               | 0.3         | -0.2                                    | 0.1                                    | 0.4       | 0.3                    | -                           | 0.3            |
| <b>Percentage change, latest quarter on corresponding quarter of the previous year</b> |                            |                                       |                               |                                    |             |   |  |           |                        |                             |                |
|  | L44S                       | KI12                                  | L456                          | L45K                               | L45Q        | L45V                                    | L46M                                   | L46O      | L46Q                   | L47J                        | L44Q           |
| 2015 Q4  | 3.7                        | 2.8                                   | 4.8                           | -2.6                               | 3.4         | 3.2                                     | -2.6                                   | 1.3       | 1.0                    | 1.9                         | 2.0            |
| 2016 Q1  | 4.5                        | 2.6                                   | 1.9                           | 0.2                                | 2.5         | 3.0                                     | -2.2                                   | 0.3       | 3.2                    | 0.5                         | 2.1            |
| Q2   | 3.7                        | 1.8                                   | 1.5                           | 3.8                                | 0.8         | 2.5                                     | -2.3                                   | -0.4      | 1.7                    | -0.1                        | 1.6            |
| Q3   | 4.2                        | 4.0                                   | 1.7                           | 6.3                                | -0.4        | 2.5                                     | -1.4                                   | -1.1      | 1.1                    | -0.6                        | 1.9            |
| Q4   | 5.3                        | 5.3                                   | 1.1                           | 3.8                                | -0.5        | 3.6                                     | -1.2                                   | -1.1      | 0.4                    | -0.6                        | 2.1            |
| 2017 Q1  | 2.8                        | 5.4                                   | 3.6                           | 2.6                                | -           | 4.7                                     | -0.6                                   | 0.4       | -0.4                   | 2.0                         | 2.2            |
| Q2   | 2.6                        | 6.4                                   | 3.4                           | 1.1                                | 1.1         | 4.1                                     | 0.5                                    | 0.7       | -0.1                   | 3.4                         | 2.5            |
| Q3   | 2.3                        | 4.2                                   | 2.8                           | -1.3                               | 1.6         | 4.7                                     | 0.3                                    | 0.8       | -0.4                   | 3.7                         | 2.1            |
| Q4   | 0.7                        | 3.7                                   | 1.4                           | -1.5                               | 1.5         | 4.7                                     | 0.7                                    | 0.5       | -0.2                   | 1.2                         | 1.6            |
| 2018 Q1  | 1.5                        | 3.4                                   | 0.8                           | -1.9                               | 1.2         | 4.4                                     | 0.8                                    | -0.5      | 0.2                    | -0.4                        | 1.4            |
| Q2   | 2.9                        | 3.4                                   | 2.7                           | -1.8                               | 0.8         | 4.8                                     | 0.8                                    | 0.5       | -0.4                   | -1.6                        | 1.6            |
| Q3   | 3.4                        | 4.5                                   | 3.1                           | -1.5                               | 0.7         | 3.9                                     | 1.5                                    | 0.4       | 0.4                    | -1.7                        | 1.9            |
| Q4   | 3.5                        | 3.9                                   | 3.5                           | -1.8                               | 1.3         | 3.2                                     | 1.1                                    | 1.0       | 1.8                    | -0.1                        | 2.0            |
| 2019 Q1  | 4.4                        | 4.5                                   | 3.7                           | -2.2                               | 1.3         | 2.1                                     | 1.1                                    | 1.5       | 1.7                    | 0.1                         | 2.0            |

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 production.

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<sup>1</sup>

£ million

| National expenditure on goods and services at market prices                 |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
|---|------------|--------------------------------------|--------------------|-------------------------------|---|------------------------------------|-------------------------------|---|-------------------|-------------------------|-------------------------|--------------|----------------------------|---------------------------------------|---|--|
| Final consumption expenditure   |            |                                      |                    |                               |   |                                    |                               |   |                   | Gross capital formation |                         |              |                            |                                       |   |  |
|   | Households | Non-profit institutions <sup>2</sup> | General government | Gross fixed capital formation | Of which business investment <sup>3</sup> | Change in inventories <sup>4</sup> | Of which alignment adjustment | Acquisitions less disposals of valuables <sup>5</sup> | Total             | Exports                 | Gross final expenditure | less imports | Total balance <sup>6</sup> | Statistical discrepancy (expenditure) | Gross domestic product at market prices |  |
|   |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
|   | ABJQ       | HAYE                                 | NMRP               | NPQS                          | NPEK                                      | CAEX                               | DMUN                          | NPJQ  | YBIL              | IKBH                    | ABMF                    | IKBI         | IKBJ                       | GIXM                                  | YBHA                                    |  |
| 2015  | 1 178 915  | 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                               |  |
| 2018  | 1 341 849  | 58 234                               | 386 091            | 359 272                       | 197 237                                   | 4 790                              | –                             | 1 202 2 151 438 634 062                               | 2 785 500 665 031 | –30 969                 | –2 745                  | –            | –                          | –                                     | 2 117 724                               |  |
| Seasonally adjusted   |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
| 2015 Q4   | 299 266    | 14 166                               | 90 443             | 80 509                        | 46 409                                    | 1 359                              | –334                          | –1 676  | 484 067 130 438   | 614 505 136 731         | –6 293                  | –            | –                          | –                                     | 477 774                                 |  |
| 2016 Q1   | 303 176    | 14 217                               | 91 626             | 80 667                        | 45 850                                    | 2 046                              | –84                           | 295   | 492 027 131 401   | 623 428 138 102         | –6 701                  | –            | –                          | –                                     | 485 326                                 |  |
| Q2  | 306 925    | 14 287                               | 91 550             | 82 434                        | 46 690                                    | 1 712                              | –900                          | –1 196  | 495 712 136 044   | 631 756 142 262         | –6 218                  | –            | –                          | –                                     | 489 494                                 |  |
| Q3  | 310 953    | 14 371                               | 92 032             | 83 994                        | 47 583                                    | 3 500                              | 1 981                         | 2 620   | 507 470 138 462   | 645 932 152 202         | –13 740                 | –            | –                          | –                                     | 493 730                                 |  |
| Q4  | 314 193    | 14 468                               | 92 766             | 84 347                        | 46 909                                    | 1 298                              | –997                          | –1 870  | 505 202 151 054   | 656 256 155 282         | –4 228                  | –            | –                          | –                                     | 500 974                                 |  |
| 2017 Q1   | 318 968    | 14 476                               | 93 048             | 85 579                        | 47 313                                    | 2 217                              | 1 089                         | –588  | 513 700 151 463   | 665 163 158 146         | –6 683                  | 11           | –                          | –                                     | 507 028                                 |  |
| Q2  | 320 806    | 14 510                               | 93 403             | 87 658                        | 48 614                                    | –550                               | –1 609                        | 210   | 516 037 153 044   | 669 081 160 009         | –6 965                  | –203         | –                          | –                                     | 508 869                                 |  |
| Q3  | 322 838    | 14 495                               | 93 895             | 88 394                        | 49 174                                    | 563                                | 639                           | 97  | 520 282 156 229   | 676 511 161 594         | –5 365                  | –659         | –                          | –                                     | 514 258                                 |  |
| Q4  | 326 372    | 14 505                               | 94 873             | 89 662                        | 49 785                                    | –626                               | –119                          | 640   | 525 426 156 803   | 682 229 161 723         | –4 920                  | –1 032       | –                          | –                                     | 519 474                                 |  |
| 2018 Q1   | 330 889    | 14 545                               | 95 596             | 89 481                        | 49 497                                    | –1 949                             | –1 622                        | 319   | 528 881 155 345   | 684 226 160 568         | –5 223                  | –767         | –                          | –                                     | 522 891                                 |  |
| Q2  | 333 979    | 14 555                               | 95 981             | 89 306                        | 49 592                                    | –381                               | –348                          | 1 178   | 534 618 156 632   | 691 250 164 080         | –7 448                  | –776         | –                          | –                                     | 526 394                                 |  |
| Q3  | 336 985    | 14 552                               | 96 736             | 90 295                        | 49 147                                    | 2 672                              | –570                          | 758   | 541 998 159 541   | 701 539 168 401         | –8 860                  | –694         | –                          | –                                     | 532 444                                 |  |
| Q4  | 339 996    | 14 582                               | 97 778             | 90 190                        | 49 001                                    | 4 448                              | 2 540                         | –1 053  | 545 941 162 544   | 708 485 171 982         | –9 438                  | –508         | –                          | –                                     | 535 995                                 |  |
| 2019 Q1   | 343 879    | 14 610                               | 99 780             | 92 591                        | 49 161                                    | 3 524                              | –678                          | 5 781   | 560 165 161 178   | 721 343 179 515         | –18 337                 | –668         | –                          | –                                     | 541 160                                 |  |
| Percentage change, latest year on previous year                             |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
|   | KG7        | KGZ8                                 | KH2C               | KG6N                          |   |                                    |                               |   | KGX3              | KH2O                    | KG7                     | KH3H         |                            |                                       | IHYM                                    |  |
| 2015  | 3.2        | 0.5                                  | 1.1                | 4.5                           | 5.1                                       |                                    |                               |   | 2.6               | –0.1                    | 2.0                     | –0.6         |                            |                                       | 2.8                                     |  |
| 2016  | 4.8        | 1.4                                  | 1.9                | 3.8                           | 1.3                                       |                                    |                               |   | 4.0               | 7.2                     | 4.7                     | 7.5          |                            |                                       | 3.9                                     |  |
| 2017  | 4.4        | 1.1                                  | 2.0                | 6.0                           | 4.2                                       |                                    |                               |   | 3.8               | 10.9                    | 5.3                     | 9.1          |                            |                                       | 4.1                                     |  |
| 2018  | 4.1        | 0.4                                  | 2.9                | 2.3                           | 1.2                                       |                                    |                               |   | 3.7               | 2.7                     | 3.4                     | 3.7          |                            |                                       | 3.3                                     |  |
| Percentage change, latest quarter on previous quarter                       |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
|   | KG7        | KGZ8                                 | KH2D               | KG6W                          | KG6V                                      |                                    |                               |   | KGX4              | KH2P                    | KG7                     | KH3I         |                            |                                       | IHYN                                    |  |
| 2015 Q4   | 1.1        | 0.2                                  | –0.7               | 1.9                           | 2.1                                       |                                    |                               |   | 0.5               | 2.0                     | 0.8                     | 1.9          |                            |                                       | 0.5                                     |  |
| 2016 Q1   | 1.3        | 0.4                                  | 1.3                | 0.2                           | –1.2                                      |                                    |                               |   | 1.6               | 0.7                     | 1.5                     | 1.0          |                            |                                       | 1.6                                     |  |
| Q2  | 1.2        | 0.5                                  | –0.1               | 2.2                           | 1.8                                       |                                    |                               |   | 0.7               | 3.5                     | 1.3                     | 3.0          |                            |                                       | 0.9                                     |  |
| Q3  | 1.3        | 0.6                                  | 0.5                | 1.9                           | 1.9                                       |                                    |                               |   | 2.4               | 1.8                     | 2.2                     | 7.0          |                            |                                       | 0.9                                     |  |
| Q4  | 1.0        | 0.7                                  | 0.8                | 0.4                           | –1.4                                      |                                    |                               |   | –0.4              | 9.1                     | 1.6                     | 2.0          |                            |                                       | 1.5                                     |  |
| 2017 Q1   | 1.5        | 0.1                                  | 0.3                | 1.5                           | 0.9                                       |                                    |                               |   | 1.7               | 0.3                     | 1.4                     | 1.8          |                            |                                       | 1.2                                     |  |
| Q2  | 0.6        | 0.2                                  | 0.4                | 2.4                           | 2.7                                       |                                    |                               |   | 0.5               | 1.0                     | 0.6                     | 1.2          |                            |                                       | 0.4                                     |  |
| Q3  | 0.6        | –0.1                                 | 0.5                | 0.8                           | 1.2                                       |                                    |                               |   | 0.8               | 2.1                     | 1.1                     | 1.0          |                            |                                       | 1.1                                     |  |
| Q4  | 1.1        | 0.1                                  | 1.0                | 1.4                           | 1.2                                       |                                    |                               |   | 1.0               | 0.4                     | 0.8                     | 0.1          |                            |                                       | 1.0                                     |  |
| 2018 Q1   | 1.4        | 0.3                                  | 0.8                | –0.2                          | –0.6                                      |                                    |                               |   | 0.7               | –0.9                    | 0.3                     | –0.7         |                            |                                       | 0.7                                     |  |
| Q2  | 0.9        | 0.1                                  | 0.4                | –0.2                          | 0.2                                       |                                    |                               |   | 1.1               | 0.8                     | 1.0                     | 2.2          |                            |                                       | 0.7                                     |  |
| Q3  | 0.9        | –                                    | 0.8                | 1.1                           | –0.9                                      |                                    |                               |   | 1.4               | 1.9                     | 1.5                     | 2.6          |                            |                                       | 1.1                                     |  |
| Q4  | 0.9        | 0.2                                  | 1.1                | –0.1                          | –0.3                                      |                                    |                               |   | 0.7               | 1.9                     | 1.0                     | 2.1          |                            |                                       | 0.7                                     |  |
| 2019 Q1   | 1.1        | 0.2                                  | 2.0                | 2.7                           | 0.3                                       |                                    |                               |   | 2.6               | –0.8                    | 1.8                     | 4.4          |                            |                                       | 1.0                                     |  |
| Percentage change, latest quarter on corresponding quarter of previous year |            |                                      |                    |                               |   |                                    |                               |   |                   |                         |                         |              |                            |                                       |   |  |
|   | KG7        | KH22                                 | KH2E               | KG76                          | KG75                                      |                                    |                               |   | KGX5              | KH2Q                    | KG7                     | KH3J         |                            |                                       | IHYO                                    |  |
| 2015 Q4   | 3.6        | 0.2                                  | 0.7                | 3.4                           | 4.0                                       |                                    |                               |   | 2.1               | –1.0                    | 1.4                     | –3.0         |                            |                                       | 2.8                                     |  |
| 2016 Q1   | 4.5        | 0.6                                  | 1.7                | 1.3                           | –1.2                                      |                                    |                               |   | 3.2               | 0.9                     | 2.7                     | –1.1         |                            |                                       | 3.9                                     |  |
| Q2  | 4.6        | 1.1                                  | 2.4                | 2.7                           | 0.8                                       |                                    |                               |   | 3.2               | 3.8                     | 3.4                     | 4.6          |                            |                                       | 3.0                                     |  |
| Q3  | 5.0        | 1.7                                  | 1.0                | 6.3                           | 4.7                                       |                                    |                               |   | 5.3               | 8.3                     | 5.9                     | 13.4         |                            |                                       | 3.8                                     |  |
| Q4  | 5.0        | 2.1                                  | 2.6                | 4.8                           | 1.1                                       |                                    |                               |   | 4.4               | 15.8                    | 6.8                     | 13.6         |                            |                                       | 4.9                                     |  |
| 2017 Q1   | 5.2        | 1.8                                  | 1.6                | 6.1                           | 3.2                                       |                                    |                               |   | 4.4               | 15.3                    | 6.7                     | 14.5         |                            |                                       | 4.5                                     |  |
| Q2  | 4.5        | 1.6                                  | 2.0                | 6.3                           | 4.1                                       |                                    |                               |   | 4.1               | 12.5                    | 5.9                     | 12.5         |                            |                                       | 4.0                                     |  |
| Q3  | 3.8        | 0.9                                  | 2.0                | 5.2                           | 3.3                                       |                                    |                               |   | 2.5               | 12.8                    | 4.7                     | 6.2          |                            |                                       | 4.2                                     |  |
| Q4  | 3.9        | 0.3                                  | 2.3                | 6.3                           | 6.1                                       |                                    |                               |   | 4.0               | 3.8                     | 4.0                     | 4.1          |                            |                                       | 3.7                                     |  |
| 2018 Q1   | 3.7        | 0.5                                  | 2.7                | 4.6                           | 4.6                                       |                                    |                               |   | 3.0               | 2.6                     | 2.9                     | 1.5          |                            |                                       | 3.1                                     |  |
| Q2  | 4.1        | 0.3                                  | 2.8                | 1.9                           | 2.0                                       |                                    |                               |   | 3.6               | 2.3                     | 3.3                     | 2.5          |                            |                                       | 3.4                                     |  |
| Q3  | 4.4        | 0.4                                  | 3.0                | 2.2                           | –0.1                                      |                                    |                               |   | 4.2               | 2.1                     | 3.7                     | 4.2          |                            |                                       | 3.5                                     |  |
| Q4  | 4.2        | 0.5                                  | 3.1                | 0.6                           | –1.6                                      |                                    |                               |   | 3.9               | 3.7                     | 3.8                     | 6.3          |                            |                                       | 3.2                                     |  |
| 2019 Q1   | 3.9        | 0.4                                  | 4.4                | 3.5                           | –0.7                                      |                                    |                               |   | 5.9               | 3.8                     | 5.4                     | 11.8         |                            |                                       | 3.5                                     |  |

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

# C2 Gross domestic product by category of expenditure: chained volume measures<sup>1</sup>

Reference year 2016, £ million

| National expenditure on goods and services at market prices                 |            |                                      |                                 |                               |   |                                    |                               |   |                   |                   |                         |              |                            |                                       |   |
|---|------------|--------------------------------------|---------------------------------|-------------------------------|---|------------------------------------|-------------------------------|---|-------------------|-------------------|-------------------------|--------------|----------------------------|---------------------------------------|---|
| Final consumption expenditure   |            |                                      |                                 |                               |   |                                    |                               | Gross capital formation                               |                   |                   |                         |              |                            |                                       |   |
|   | Households | Non-profit institutions <sup>2</sup> | General government <sup>7</sup> | Gross fixed capital formation | Of which business investment <sup>3</sup> | Change in inventories <sup>4</sup> | Of which alignment adjustment | Acquisitions less disposals of valuables <sup>5</sup> | Total             | Exports           | Gross final expenditure | less imports | Trade balance <sup>6</sup> | Statistical discrepancy (expenditure) | Gross domestic product at market prices |
|   | ABJR       | HAYO                                 | NMRY                            | NPQT                          | NPEL                                      | CAFU                               | DMUM                          | NPJR  | YBIM              | IKBK              | ABMG                    | IKBL         | IKBM                       | GIXS                                  | ABMI                                    |
| 2015  | 1 196 525  | 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                               |
| 2018  | 1 284 838  | 56 392                               | 368 587                         | 343 498                       | 189 047                                   | 5 353                              | -                             | 1 025 2   | 059 693 588 900 2 | 648 593 612 501   | -23 601                 | -2 637       | -                          | -                                     | 2 033 455                               |
| Seasonally adjusted   |            |                                      |                                 |                               |   |                                    |                               |   |                   |                   |                         |              |                            |                                       |   |
| 2015 Q4   | 301 804    | 14 195                               | 91 665                          | 81 427                        | 47 023                                    | 2 782                              | -345                          | -1 803  | 493 287 139 491   | 632 757 144 591   | -5 100                  | -            | -                          | -                                     | 488 153                                 |
| 2016 Q1   | 305 101    | 14 251                               | 92 044                          | 81 415                        | 46 221                                    | 1 881                              | -86                           | 284   | 495 416 138 252   | 633 733 143 976   | -5 724                  | -            | -                          | -                                     | 489 736                                 |
| Q2  | 307 595    | 14 345                               | 91 959                          | 82 695                        | 46 622                                    | 347                                | -903                          | -1 264  | 495 847 139 554   | 635 416 144 900   | -5 346                  | -            | -                          | -                                     | 490 502                                 |
| Q3  | 311 268    | 14 338                               | 91 968                          | 83 909                        | 47 330                                    | 1 173                              | 1 977                         | 2 626   | 506 847 135 108   | 642 147 149 364   | -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   | 319 051    | 14 203                               | 92 152                          | 85 998                        | 47 668                                    | -1 878                             | -1 561                        | 267   | 509 793 147 073   | 656 866 151 341   | -4 268                  | -740         | -                          | -                                     | 504 785                                 |
| Q2  | 320 805    | 14 121                               | 91 790                          | 85 521                        | 47 459                                    | 580                                | -329                          | 1 058   | 513 875 145 654   | 659 529 151 940   | -6 286                  | -747         | -                          | -                                     | 506 842                                 |
| Q3  | 322 015    | 14 045                               | 91 726                          | 86 267                        | 47 171                                    | 2 410                              | -540                          | 663   | 517 126 146 903   | 664 029 153 018   | -6 115                  | -665         | -                          | -                                     | 510 346                                 |
| Q4  | 322 967    | 14 023                               | 92 919                          | 85 712                        | 46 749                                    | 4 241                              | 2 430                         | -963  | 518 899 149 270   | 668 169 156 202   | -6 932                  | -485         | -                          | -                                     | 511 482                                 |
| 2019 Q1   | 325 133    | 13 949                               | 94 208                          | 87 495                        | 46 999                                    | 4 600                              | -641                          | 6 778   | 532 163 149 332   | 681 495 166 842   | -17 510                 | -634         | -                          | -                                     | 514 019                                 |
| Percentage change, latest year on previous year                             |            |                                      |                                 |                               |   |                                    |                               |   |                   |                   |                         |              |                            |                                       |   |
|   | KGZ5       | KH26                                 | KH2I                            | KG7M                          |   |                                    |                               | KGX9  | KH2U              | KGW5              | KH3N                    |              |                            |                                       | IHPY                                    |
| 2015  | 2.7        | -0.3                                 | 1.4                             | 3.4                           | 3.7                                       |                                    |                               | 2.7   | 4.4               | 3.1               | 5.5                     |              |                            |                                       | 2.3                                     |
| 2016  | 3.2        | 0.8                                  | 0.8                             | 2.3                           | -0.2                                      |                                    |                               | 2.4   | 1.0               | 2.1               | 3.3                     |              |                            |                                       | 1.8                                     |
| 2017  | 2.2        | -0.3                                 | -0.2                            | 3.5                           | 1.5                                       |                                    |                               | 1.4   | 5.6               | 2.3               | 3.5                     |              |                            |                                       | 1.8                                     |
| 2018  | 1.8        | -1.3                                 | 0.4                             | 0.2                           | -0.4                                      |                                    |                               | 1.6   | 0.1               | 1.3               | 0.7                     |              |                            |                                       | 1.4                                     |
| Percentage change, latest quarter on previous quarter                       |            |                                      |                                 |                               |   |                                    |                               |   |                   |                   |                         |              |                            |                                       |   |
|   | KGZ6       | KH27                                 | KH2J                            | KG7Q                          | KG7P                                      |                                    |                               | KGY2  | KH2V              | KGW6              | KH3O                    |              |                            |                                       | IHYQ                                    |
| 2015 Q4   | 0.1        | 0.2                                  | -0.2                            | 1.8                           | 2.3                                       |                                    |                               | 1.0   | 2.0               | 1.2               | 2.7                     |              |                            |                                       | 0.7                                     |
| 2016 Q1   | 1.1        | 0.4                                  | 0.4                             | -                             | -1.7                                      |                                    |                               | 0.4   | -0.9              | 0.2               | -0.4                    |              |                            |                                       | 0.3                                     |
| Q2  | 0.8        | 0.7                                  | -0.1                            | 1.6                           | 0.9                                       |                                    |                               | 0.1   | 0.9               | 0.3               | 0.6                     |              |                            |                                       | 0.2                                     |
| Q3  | 1.2        | -                                    | -                               | 1.5                           | 1.5                                       |                                    |                               | 2.2   | -3.2              | 1.1               | 3.1                     |              |                            |                                       | 0.5                                     |
| Q4  | -          | 0.5                                  | -                               | -0.6                          | -1.0                                      |                                    |                               | -0.9  | 6.6               | 0.6               | 0.2                     |              |                            |                                       | 0.7                                     |
| 2017 Q1   | 0.7        | -0.4                                 | -0.6                            | 1.0                           | -0.2                                      |                                    |                               | 0.6   | 0.2               | 0.5               | 0.9                     |              |                            |                                       | 0.4                                     |
| Q2  | 0.4        | -0.1                                 | 0.5                             | 1.9                           | 1.3                                       |                                    |                               | 0.2   | 1.2               | 0.4               | 0.9                     |              |                            |                                       | 0.3                                     |
| Q3  | 0.5        | -0.6                                 | 0.1                             | 0.3                           | 0.9                                       |                                    |                               | 0.2   | 1.9               | 0.6               | 0.6                     |              |                            |                                       | 0.5                                     |
| Q4  | 0.3        | -0.1                                 | -                               | 0.7                           | 0.4                                       |                                    |                               | 0.3   | 0.1               | 0.2               | -0.6                    |              |                            |                                       | 0.4                                     |
| 2018 Q1   | 0.5        | -0.2                                 | 0.2                             | -0.8                          | -0.6                                      |                                    |                               | 0.2   | -1.3              | -0.1              | -0.6                    |              |                            |                                       | 0.1                                     |
| Q2  | 0.5        | -0.6                                 | -0.4                            | -0.6                          | -0.4                                      |                                    |                               | 0.8   | -1.0              | 0.4               | 0.4                     |              |                            |                                       | 0.4                                     |
| Q3  | 0.4        | -0.5                                 | -0.1                            | 0.9                           | -0.6                                      |                                    |                               | 0.6   | 0.9               | 0.7               | 0.7                     |              |                            |                                       | 0.7                                     |
| Q4  | 0.3        | -0.2                                 | 1.3                             | -0.6                          | -0.9                                      |                                    |                               | 0.3   | 1.6               | 0.6               | 2.1                     |              |                            |                                       | 0.2                                     |
| 2019 Q1   | 0.7        | -0.5                                 | 1.4                             | 2.1                           | 0.5                                       |                                    |                               | 2.6   | -                 | 2.0               | 6.8                     |              |                            |                                       | 0.5                                     |
| Percentage change, latest quarter on corresponding quarter of previous year |            |                                      |                                 |                               |   |                                    |                               |   |                   |                   |                         |              |                            |                                       |   |
|   | KGZ7       | KH28                                 | KH2K                            | KG7T                          | KG7S                                      |                                    |                               | KGY3  | KH2W              | KGW7              | KH3P                    |              |                            |                                       | IHYR                                    |
| 2015 Q4   | 2.8        | -0.1                                 | 1.8                             | 2.5                           | 2.9                                       |                                    |                               | 2.2   | 3.1               | 2.4               | 3.0                     |              |                            |                                       | 2.2                                     |
| 2016 Q1   | 3.3        | 0.2                                  | 1.7                             | 0.8                           | -2.1                                      |                                    |                               | 1.9   | 1.0               | 1.7               | 0.4                     |              |                            |                                       | 2.1                                     |
| Q2  | 3.3        | 0.4                                  | 0.7                             | 1.1                           | -1.1                                      |                                    |                               | 2.3   | 1.1               | 2.0               | 3.2                     |              |                            |                                       | 1.7                                     |
| Q3  | 3.2        | 1.2                                  | 0.2                             | 4.9                           | 2.9                                       |                                    |                               | 3.7   | -1.2              | 2.7               | 6.1                     |              |                            |                                       | 1.7                                     |
| Q4  | 3.1        | 1.5                                  | 0.4                             | 2.5                           | -0.4                                      |                                    |                               | 1.8   | 3.3               | 2.1               | 3.5                     |              |                            |                                       | 1.7                                     |
| 2017 Q1   | 2.8        | 0.7                                  | -0.7                            | 3.5                           | 1.2                                       |                                    |                               | 2.0   | 4.4               | 2.5               | 4.8                     |              |                            |                                       | 1.8                                     |
| Q2  | 2.3        | -0.1                                 | -0.1                            | 3.8                           | 1.6                                       |                                    |                               | 2.1   | 4.7               | 2.7               | 5.1                     |              |                            |                                       | 1.9                                     |
| Q3  | 1.6        | -0.6                                 | -                               | 2.6                           | 0.9                                       |                                    |                               | 0.1   | 10.2              | 2.2               | 2.5                     |              |                            |                                       | 2.0                                     |
| Q4  | 2.0        | -1.2                                 | -                               | 3.9                           | 2.4                                       |                                    |                               | 1.3   | 3.5               | 1.8               | 1.8                     |              |                            |                                       | 1.6                                     |
| 2018 Q1   | 1.7        | -1.0                                 | 0.8                             | 2.1                           | 1.9                                       |                                    |                               | 0.9   | 1.9               | 1.1               | 0.3                     |              |                            |                                       | 1.2                                     |
| Q2  | 1.9        | -1.5                                 | -0.1                            | -0.4                          | 0.2                                       |                                    |                               | 1.5   | -0.3              | 1.1               | -0.2                    |              |                            |                                       | 1.4                                     |
| Q3  | 1.8        | -1.4                                 | -0.3                            | 0.2                           | -1.3                                      |                                    |                               | 1.9   | -1.3              | 1.2               | -0.1                    |              |                            |                                       | 1.6                                     |
| Q4  | 1.7        | -1.4                                 | 1.0                             | -1.1                          | -2.5                                      |                                    |                               | 2.0   | 0.2               | 1.6               | 2.6                     |              |                            |                                       | 1.4                                     |
| 2019 Q1   | 1.9        | -1.8                                 | 2.2                             | 1.7                           | -1.4                                      |                                    |                               | 4.4   | 1.5               | 3.7               | 10.2                    |              |                            |                                       | 1.8                                     |

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

7 An error was discovered in the General Government Final Consumption Expenditure CVM figures during quality assurance. The most significant quarterly growth error is in 2005Q2 increasing growth by 2.3%. Figures in current prices are 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<sup>1</sup>

£ million

|  | Compensation of employees |                                |           | Gross operating surplus of corporations <sup>2,3</sup> | Of which alignment adjustment | Other income <sup>4</sup> | Gross value added at factor cost | Taxes on products & production less subsidies | Statistical discrepancy (income) | Gross domestic product at market prices |
|--|---------------------------|--------------------------------|-----------|--|-------------------------------|---------------------------|----------------------------------|---|----------------------------------|---|
|  | Wages and Salaries        | Employers social contributions | Total     |  |                               |                           |                                  |   |                                  |   |
|  | DTWL                      | DTWP                           | DTWM      | CGBZ   | DMUQ                          | CGBX                      | CGCB                             | CMVL  | GIXQ                             | YBHA                                    |
| 2015   | 773 363                   | 155 096                        | 928 459   | 413 869  | –                             | 322 906                   | 1 665 234                        | 230 605                                       | –                                | 1 895 839                               |
| 2016   | 798 583                   | 164 823                        | 963 406   | 432 307  | –                             | 333 887                   | 1 729 600                        | 239 924                                       | –                                | 1 969 524                               |
| 2017   | 829 346                   | 174 591                        | 1 003 937 | 448 236  | –                             | 338 295                   | 1 790 468                        | 251 970                                       | 7 191                            | 2 049 629                               |
| 2018   | 867 319                   | 179 048                        | 1 046 367 | 448 822  | –                             | 353 296                   | 1 848 485                        | 259 129                                       | 10 110                           | 2 117 724                               |
| <b>Seasonally adjusted</b>   |                           |                                |           |  |                               |                           |                                  |   |                                  |   |
| 2015 Q4  | 195 933                   | 39 251                         | 235 184   | 101 675  | –867                          | 82 382                    | 419 241                          | 58 533  | –                                | 477 774                                 |
| 2016 Q1  | 194 390                   | 38 932                         | 233 322   | 110 376  | 1 912                         | 82 608                    | 426 306                          | 59 020  | –                                | 485 326                                 |
| Q2   | 199 228                   | 41 170                         | 240 398   | 105 406  | –1 681                        | 83 888                    | 429 692                          | 59 802  | –                                | 489 494                                 |
| Q3   | 202 897                   | 42 169                         | 245 066   | 104 992  | –1 987                        | 83 782                    | 433 840                          | 59 890  | –                                | 493 730                                 |
| Q4   | 202 068                   | 42 552                         | 244 620   | 111 533  | 1 756                         | 83 609                    | 439 762                          | 61 212  | –                                | 500 974                                 |
| 2017 Q1  | 203 342                   | 43 333                         | 246 675   | 114 042  | 2 574                         | 84 194                    | 444 911                          | 61 030  | 1 087                            | 507 028                                 |
| Q2   | 206 616                   | 43 784                         | 250 400   | 109 562  | –2 507                        | 84 423                    | 444 385                          | 62 825  | 1 659                            | 508 869                                 |
| Q3   | 208 053                   | 44 102                         | 252 155   | 111 158  | –689                          | 84 587                    | 447 900                          | 64 252  | 2 106                            | 514 258                                 |
| Q4   | 211 335                   | 43 372                         | 254 707   | 113 474  | 622                           | 85 091                    | 453 272                          | 63 863  | 2 339                            | 519 474                                 |
| 2018 Q1  | 213 771                   | 43 416                         | 257 187   | 113 563  | 1 886                         | 86 433                    | 457 183                          | 63 170  | 2 538                            | 522 891                                 |
| Q2   | 214 852                   | 44 717                         | 259 569   | 110 719  | –1 637                        | 87 745                    | 458 033                          | 65 786  | 2 575                            | 526 394                                 |
| Q3   | 218 083                   | 45 650                         | 263 733   | 112 032  | –703                          | 88 941                    | 464 706                          | 65 192  | 2 546                            | 532 444                                 |
| Q4   | 220 613                   | 45 265                         | 265 878   | 112 508  | 454                           | 90 177                    | 468 563                          | 64 981  | 2 451                            | 535 995                                 |
| 2019 Q1  | 222 364                   | 45 825                         | 268 189   | 115 312  | 1 906                         | 91 175                    | 474 676                          | 63 858  | 2 626                            | 541 160                                 |
| <b>Percentage change, latest year on previous year</b>                             |                           |                                |           |  |                               |                           |                                  |   |                                  |   |
|  | CWNH                      | CWNE                           | KGI3      | KH4V   |                               | KH6T                      | KH6N                             | KH65  |                                  | IHYM                                    |
| 2015   | 3.6                       | 1.0                            | 3.2       | –0.1   |                               | 5.6                       | 2.8                              | 2.8   |                                  | 2.8                                     |
| 2016   | 3.3                       | 6.3                            | 3.8       | 4.5  |                               | 3.4                       | 3.9                              | 4.0   |                                  | 3.9                                     |
| 2017   | 3.9                       | 5.9                            | 4.2       | 3.7  |                               | 1.3                       | 3.5                              | 5.0   |                                  | 4.1                                     |
| 2018   | 4.6                       | 2.6                            | 4.2       | 0.1  |                               | 4.4                       | 3.2                              | 2.8   |                                  | 3.3                                     |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                           |                                |           |  |                               |                           |                                  |   |                                  |   |
|  | CWNI                      | CWNF                           | KGI4      | KH4W   |                               | KH6U                      | KH6O                             | KH66  |                                  | IHYN                                    |
| 2015 Q4  | 0.2                       | 1.5                            | 0.4       | 0.7  |                               | 0.6                       | 0.5                              | 0.1   |                                  | 0.5                                     |
| 2016 Q1  | –0.8                      | –0.8                           | –0.8      | 8.6  |                               | 0.3                       | 1.7                              | 0.8   |                                  | 1.6                                     |
| Q2   | 2.5                       | 5.7                            | 3.0       | –4.5   |                               | 1.5                       | 0.8                              | 1.3   |                                  | 0.9                                     |
| Q3   | 1.8                       | 2.4                            | 1.9       | –0.4   |                               | –0.1                      | 1.0                              | 0.1   |                                  | 0.9                                     |
| Q4   | –0.4                      | 0.9                            | –0.2      | 6.2  |                               | –0.2                      | 1.4                              | 2.2   |                                  | 1.5                                     |
| 2017 Q1  | 0.6                       | 1.8                            | 0.8       | 2.2  |                               | 0.7                       | 1.2                              | –0.3  |                                  | 1.2                                     |
| Q2   | 1.6                       | 1.0                            | 1.5       | –3.9   |                               | 0.3                       | –0.1                             | 2.9   |                                  | 0.4                                     |
| Q3   | 0.7                       | 0.7                            | 0.7       | 1.5  |                               | 0.2                       | 0.8                              | 2.3   |                                  | 1.1                                     |
| Q4   | 1.6                       | –1.7                           | 1.0       | 2.1  |                               | 0.6                       | 1.2                              | –0.6  |                                  | 1.0                                     |
| 2018 Q1  | 1.2                       | 0.1                            | 1.0       | 0.1  |                               | 1.6                       | 0.9                              | –1.1  |                                  | 0.7                                     |
| Q2   | 0.5                       | 3.0                            | 0.9       | –2.5   |                               | 1.5                       | 0.2                              | 4.1   |                                  | 0.7                                     |
| Q3   | 1.5                       | 2.1                            | 1.6       | 1.2  |                               | 1.4                       | 1.5                              | –0.9  |                                  | 1.1                                     |
| Q4   | 1.2                       | –0.8                           | 0.8       | 0.4  |                               | 1.4                       | 0.8                              | –0.3  |                                  | 0.7                                     |
| 2019 Q1  | 0.8                       | 1.2                            | 0.9       | 2.5  |                               | 1.1                       | 1.3                              | –1.7  |                                  | 1.0                                     |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                           |                                |           |  |                               |                           |                                  |   |                                  |   |
|  | CWNJ                      | CWNG                           | KGI5      | KH4X   |                               | KH6V                      | KH6P                             | KH67  |                                  | IHYO                                    |
| 2015 Q4  | 3.5                       | 2.8                            | 3.4       | –1.2   |                               | 6.1                       | 2.7                              | 2.9   |                                  | 2.8                                     |
| 2016 Q1  | 2.3                       | 1.6                            | 2.2       | 5.7  |                               | 5.2                       | 3.7                              | 5.4   |                                  | 3.9                                     |
| Q2   | 3.8                       | 6.0                            | 4.2       | –1.2   |                               | 4.6                       | 2.9                              | 3.9   |                                  | 3.0                                     |
| Q3   | 3.8                       | 9.1                            | 4.6       | 3.9  |                               | 2.4                       | 4.0                              | 2.4   |                                  | 3.8                                     |
| Q4   | 3.1                       | 8.4                            | 4.0       | 9.7  |                               | 1.5                       | 4.9                              | 4.6   |                                  | 4.9                                     |
| 2017 Q1  | 4.6                       | 11.3                           | 5.7       | 3.3  |                               | 1.9                       | 4.4                              | 3.4   |                                  | 4.5                                     |
| Q2   | 3.7                       | 6.3                            | 4.2       | 3.9  |                               | 0.6                       | 3.4                              | 5.1   |                                  | 4.0                                     |
| Q3   | 2.5                       | 4.6                            | 2.9       | 5.9  |                               | 1.0                       | 3.2                              | 7.3   |                                  | 4.2                                     |
| Q4   | 4.6                       | 1.9                            | 4.1       | 1.7  |                               | 1.8                       | 3.1                              | 4.3   |                                  | 3.7                                     |
| 2018 Q1  | 5.1                       | 0.2                            | 4.3       | –0.4   |                               | 2.7                       | 2.8                              | 3.5   |                                  | 3.1                                     |
| Q2   | 4.0                       | 2.1                            | 3.7       | 1.1  |                               | 3.9                       | 3.1                              | 4.7   |                                  | 3.4                                     |
| Q3   | 4.8                       | 3.5                            | 4.6       | 0.8  |                               | 5.1                       | 3.8                              | 1.5   |                                  | 3.5                                     |
| Q4   | 4.4                       | 4.4                            | 4.4       | –0.9   |                               | 6.0                       | 3.4                              | 1.8   |                                  | 3.2                                     |
| 2019 Q1  | 4.0                       | 5.5                            | 4.3       | 1.5  |                               | 5.5                       | 3.8                              | 1.1   |                                  | 3.5                                     |

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

2 Quarterly alignment adjustment included in this series.

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

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

# F1 Gross fixed capital formation by sector and type of asset

## Current prices

£ million

|  | Analysis by sector               |                    |                        |   |                        |   |         |                     | Analysis by asset  |                        |   |                                |         |  |
|--|----------------------------------|--------------------|------------------------|---|------------------------|---|---------|---------------------|--|------------------------|---|--------------------------------|---------|--|
|  | Public corporations <sup>2</sup> |                    |                        |   | Private Sector         |   |         |                     |  |                        |   |                                |         |  |
|  | Business investment <sup>1</sup> | General government | Dwellings <sup>4</sup> | Costs of transfer of ownership of non-produced assets | Dwellings <sup>4</sup> | Costs of transfer of ownership of non-produced assets | Total   | Transport equipment | ICT equipment and other machinery and equipment <sup>3</sup> | Dwellings <sup>4</sup> | Other buildings and structures <sup>5</sup> | Intellectual Property Products | Total   |  |
|  |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |  |
|  | NPEK                             | RPZG               | L62R                   | L62S  | L62T                   | L62U  | NPQS    | TLPX                | TLPW   | GGAE                   | EQED  | TLPK                           | NPQS    |  |
| 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 |  |
| 2018   | 197 237                          | 57 252             | 4 525                  | 762   | 81 640                 | 17 856  | 359 272 | 20 427              | 65 243   | 86 164                 | 121 653                                     | 65 785                         | 359 272 |  |
| <b>Seasonally adjusted</b>   |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |  |
| 2015 Q4  | 46 409                           | 12 294             | 1 989                  | 176   | 15 533                 | 4 109   | 80 509  | 5 351               | 15 870   | 17 521                 | 26 897                                      | 14 868                         | 80 509  |  |
| 2016 Q1  | 45 850                           | 12 128             | 2 046                  | 150   | 15 969                 | 4 525   | 80 667  | 6 286               | 14 902   | 18 015                 | 26 514                                      | 14 950                         | 80 667  |  |
| Q2   | 46 690                           | 13 111             | 2 104                  | 229   | 16 209                 | 4 091   | 82 434  | 6 347               | 15 804   | 18 313                 | 26 820                                      | 15 150                         | 82 434  |  |
| Q3   | 47 583                           | 13 460             | 2 115                  | 168   | 16 623                 | 4 045   | 83 994  | 7 169               | 15 346   | 18 738                 | 27 534                                      | 15 208                         | 83 994  |  |
| Q4   | 46 909                           | 13 401             | 2 138                  | 179   | 17 368                 | 4 352   | 84 347  | 6 054               | 15 576   | 19 507                 | 27 850                                      | 15 361                         | 84 347  |  |
| 2017 Q1  | 47 313                           | 13 404             | 2 169                  | 165   | 18 017                 | 4 511   | 85 579  | 5 862               | 15 446   | 20 203                 | 28 938                                      | 15 130                         | 85 579  |  |
| Q2   | 48 614                           | 13 995             | 2 317                  | 223   | 18 050                 | 4 459   | 87 658  | 6 119               | 16 666   | 20 346                 | 29 009                                      | 15 518                         | 87 658  |  |
| Q3   | 49 174                           | 13 793             | 2 164                  | 195   | 18 453                 | 4 615   | 88 394  | 5 650               | 16 658   | 20 591                 | 29 594                                      | 15 901                         | 88 394  |  |
| Q4   | 49 785                           | 13 901             | 1 762                  | 190   | 19 467                 | 4 557   | 89 662  | 5 137               | 17 295   | 21 260                 | 29 665                                      | 16 305                         | 89 662  |  |
| 2018 Q1  | 49 497                           | 14 033             | 1 397                  | 172   | 19 873                 | 4 509   | 89 481  | 5 716               | 16 565   | 21 269                 | 29 526                                      | 16 405                         | 89 481  |  |
| Q2   | 49 592                           | 13 698             | 1 012                  | 211   | 20 440                 | 4 353   | 89 306  | 5 248               | 16 300   | 21 452                 | 29 779                                      | 16 527                         | 89 306  |  |
| Q3   | 49 147                           | 14 667             | 1 077                  | 191   | 20 735                 | 4 478   | 90 295  | 4 703               | 16 423   | 21 812                 | 30 901                                      | 16 456                         | 90 295  |  |
| Q4   | 49 001                           | 14 854             | 1 039                  | 188   | 20 592                 | 4 516   | 90 190  | 4 760               | 15 955   | 21 631                 | 31 447                                      | 16 397                         | 90 190  |  |
| 2019 Q1  | 49 161                           | 16 529             | 1 282                  | 180   | 20 926                 | 4 513   | 92 591  | 4 334               | 17 082   | 22 207                 | 32 181                                      | 16 787                         | 92 591  |  |
| <b>Percentage change, latest year on previous year</b>                             |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |  |
|  | KG6N                             | KH7N               | L64E                   | L64H  | L64K                   | L64N  | KG6O    | KG6T                | KG6S   | KH7X                   | KH7W  | KG6R                           | KG6O    |  |
| 2015   | 5.1                              | 0.4                | -2.0                   | 4.7   | 8.1                    | 0.8   | 4.5     | 36.1                | -0.3   | 6.8                    | 4.9   | -2.3                           | 4.5     |  |
| 2016   | 1.3                              | 2.2                | 3.4                    | 5.7   | 10.6                   | 12.1  | 3.8     | 15.5                | -1.1   | 9.8                    | 1.0   | 2.5                            | 3.8     |  |
| 2017   | 4.2                              | 5.7                | 0.1                    | 6.5   | 11.8                   | 6.6   | 6.0     | -11.9               | 7.2  | 10.5                   | 7.8   | 3.6                            | 6.0     |  |
| 2018   | 1.2                              | 3.9                | -46.2                  | -1.4  | 10.3                   | -1.6  | 2.3     | -10.3               | -1.2   | 4.6                    | 3.8   | 4.7                            | 2.3     |  |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |  |
|  | KG6V                             | KH7P               | L64F                   | L64I  | L64L                   | L64O  | KG6W    | KG73                | KG72   | KH83                   | KH82  | KG6Z                           | KG6W    |  |
| 2015 Q4  | 2.1                              | -0.5               | -3.2                   | -0.6  | 3.2                    | 4.4   | 1.9     | 10.0                | 3.1  | 2.4                    | 0.5   | -0.2                           | 1.9     |  |
| 2016 Q1  | -1.2                             | -1.4               | 2.9                    | -14.8   | 2.8                    | 10.1  | 0.2     | 17.5                | -6.1   | 2.8                    | -1.4  | 0.6                            | 0.2     |  |
| Q2   | 1.8                              | 8.1                | 2.8                    | 52.7  | 1.5                    | -9.6  | 2.2     | 1.0                 | 6.1  | 1.7                    | 1.2   | 1.3                            | 2.2     |  |
| Q3   | 1.9                              | 2.7                | 0.5                    | -26.6   | 2.6                    | -1.1  | 1.9     | 13.0                | -2.9   | 2.3                    | 2.7   | 0.4                            | 1.9     |  |
| Q4   | -1.4                             | -0.4               | 1.1                    | 6.5   | 4.5                    | 7.6   | 0.4     | -15.6               | 1.5  | 4.1                    | 1.1   | 1.0                            | 0.4     |  |
| 2017 Q1  | 0.9                              | -                  | 1.4                    | -7.8  | 3.7                    | 3.7   | 1.5     | -3.2                | -0.8   | 3.6                    | 3.9   | -1.5                           | 1.5     |  |
| Q2   | 2.7                              | 4.4                | 6.8                    | 35.2  | 0.2                    | -1.2  | 2.4     | 4.4                 | 7.9  | 0.7                    | 0.2   | 2.6                            | 2.4     |  |
| Q3   | 1.2                              | -1.4               | -6.6                   | -12.6   | 2.2                    | 3.5   | 0.8     | -7.7                | -  | 1.2                    | 2.0   | 2.5                            | 0.8     |  |
| Q4   | 1.2                              | 0.8                | -18.6                  | -2.6  | 5.5                    | -1.3  | 1.4     | -9.1                | 3.8  | 3.2                    | 0.2   | 2.5                            | 1.4     |  |
| 2018 Q1  | -0.6                             | 0.9                | -20.7                  | -9.5  | 2.1                    | -1.1  | -0.2    | 11.3                | -4.2   | -                      | -0.5  | 0.6                            | -0.2    |  |
| Q2   | 0.2                              | -2.4               | -27.6                  | 22.7  | 2.9                    | -3.5  | -0.2    | -8.2                | -1.6   | 0.9                    | 0.9   | 0.7                            | -0.2    |  |
| Q3   | -0.9                             | 7.1                | 6.4                    | -9.5  | 1.4                    | 2.9   | 1.1     | -10.4               | 0.8  | 1.7                    | 3.8   | -0.4                           | 1.1     |  |
| Q4   | -0.3                             | 1.3                | -3.5                   | -1.6  | -0.7                   | 0.8   | -0.1    | 1.2                 | -2.8   | -0.8                   | 1.8   | -0.4                           | -0.1    |  |
| 2019 Q1  | 0.3                              | 11.3               | 23.4                   | -4.3  | 1.6                    | -0.1  | 2.7     | -8.9                | 7.1  | 2.7                    | 2.3   | 2.4                            | 2.7     |  |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |  |
|  | KG75                             | KH7R               | L64G                   | L64J  | L64M                   | L64P  | KG76    | KG7B                | KG7A   | KH87                   | KH86  | KG79                           | KG76    |  |
| 2015 Q4  | 4.0                              | -5.5               | -10.2                  | 5.4   | 10.6                   | 9.6   | 3.4     | 25.2                | -0.3   | 7.8                    | 3.2   | -3.0                           | 3.4     |  |
| 2016 Q1  | -1.2                             | -9.1               | -7.2                   | -16.2   | 13.4                   | 34.0  | 1.3     | -5.8                | -3.0   | 10.6                   | -1.4  | 3.8                            | 1.3     |  |
| Q2   | 0.8                              | 0.8                | 11.9                   | 47.7  | 7.0                    | 8.8   | 2.7     | 15.6                | 0.9  | 7.5                    | -0.9  | 0.8                            | 2.7     |  |
| Q3   | 4.7                              | 8.9                | 2.9                    | -5.1  | 10.5                   | 2.8   | 6.3     | 47.3                | -0.3   | 9.6                    | 2.9   | 2.1                            | 6.3     |  |
| Q4   | 1.1                              | 9.0                | 7.5                    | 1.7   | 11.8                   | 5.9   | 4.8     | 13.1                | -1.9   | 11.3                   | 3.5   | 3.3                            | 4.8     |  |
| 2017 Q1  | 3.2                              | 10.5               | 6.0                    | 10.0  | 12.8                   | -0.3  | 6.1     | -6.7                | 3.7  | 12.1                   | 9.1   | 1.2                            | 6.1     |  |
| Q2   | 4.1                              | 6.7                | 10.1                   | -2.6  | 11.4                   | 9.0   | 6.3     | -3.6                | 5.5  | 11.1                   | 8.2   | 2.4                            | 6.3     |  |
| Q3   | 3.3                              | 2.5                | 2.3                    | 16.1  | 11.0                   | 14.1  | 5.2     | -21.2               | 8.5  | 9.9                    | 7.5   | 4.6                            | 5.2     |  |
| Q4   | 6.1                              | 3.7                | -17.6                  | 6.1   | 12.1                   | 4.7   | 6.3     | -15.1               | 11.0   | 9.0                    | 6.5   | 6.1                            | 6.3     |  |
| 2018 Q1  | 4.6                              | 4.7                | -35.6                  | 4.2   | 10.3                   | -   | 4.6     | -2.5                | 7.2  | 5.3                    | 2.0   | 8.4                            | 4.6     |  |
| Q2   | 2.0                              | -2.1               | -56.3                  | -5.4  | 13.2                   | -2.4  | 1.9     | -14.2               | -2.2   | 5.4                    | 2.7   | 6.5                            | 1.9     |  |
| Q3   | -0.1                             | 6.3                | -50.2                  | -2.1  | 12.4                   | -3.0  | 2.2     | -16.8               | -1.4   | 5.9                    | 4.4   | 3.5                            | 2.2     |  |
| Q4   | -1.6                             | 6.9                | -41.0                  | -1.1  | 5.8                    | -0.9  | 0.6     | -7.3                | -7.7   | 1.7                    | 6.0   | 0.6                            | 0.6     |  |
| 2019 Q1  | -0.7                             | 17.8               | -8.2                   | 4.7   | 5.3                    | 0.1   | 3.5     | -24.2               | 3.1  | 4.4                    | 9.0   | 2.3                            | 3.5     |  |

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

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

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

4 Includes new dwellings and improvements to dwellings.

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

# F2 Gross fixed capital formation by sector and type of asset

## Chained volume measures

Reference year 2016, £ million

|  | Analysis by sector               |                    |                        |   |                        |   |         |                     | Analysis by asset  |                        |   |                                |         |       |
|--|----------------------------------|--------------------|------------------------|---|------------------------|---|---------|---------------------|--|------------------------|---|--------------------------------|---------|-------|
|  | Public corporations <sup>2</sup> |                    |                        |   | Private Sector         |   |         |                     |  |                        |   |                                |         |       |
|  | Business investment <sup>1</sup> | General government | Dwellings <sup>4</sup> | Costs of transfer of ownership of non-produced assets | Dwellings <sup>4</sup> | Costs of transfer of ownership of non-produced assets | NPQT    | Transport equipment | ICT equipment and other machinery and equipment <sup>3</sup> | Dwellings <sup>4</sup> | Other buildings and structures <sup>5</sup> | Intellectual Property Products | EQDO    | NPQT  |
|  |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |       |
|  | NPEL                             | DLWF               | L634                   | L635  | L636                   | L637  | NPQT    | DLWL                | DLWO   | DFEG                   | DLWT  | EQDO                           | NPQT    | Total |
| 2015   | 187 355                          | 51 660             | 8 241                  | 694   | 60 677                 | 15 347  | 324 016 | 21 785              | 64 208   | 68 917                 | 109 223                                     | 60 130                         | 324 016 |       |
| 2016   | 187 031                          | 52 100             | 8 404                  | 726   | 66 170                 | 17 013  | 331 442 | 25 854              | 61 628   | 74 572                 | 108 718                                     | 60 669                         | 331 442 |       |
| 2017   | 189 877                          | 54 029             | 8 202                  | 767   | 72 053                 | 17 990  | 342 917 | 23 250              | 61 854   | 80 255                 | 115 143                                     | 62 415                         | 342 917 |       |
| 2018   | 189 047                          | 54 861             | 4 279                  | 738   | 77 262                 | 17 311  | 343 498 | 19 790              | 61 445   | 81 542                 | 116 329                                     | 64 392                         | 343 498 |       |
| <b>Seasonally adjusted</b>   |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |       |
| 2015 Q4  | 47 023                           | 12 390             | 2 008                  | 177   | 15 687                 | 4 140   | 81 427  | 5 185               | 16 444   | 17 694                 | 27 135                                      | 15 063                         | 81 427  |       |
| 2016 Q1  | 46 221                           | 12 243             | 2 062                  | 150   | 16 191                 | 4 543   | 81 415  | 6 230               | 15 135   | 18 253                 | 26 771                                      | 15 042                         | 81 415  |       |
| Q2   | 46 622                           | 13 277             | 2 110                  | 229   | 16 369                 | 4 095   | 82 695  | 6 272               | 15 744   | 18 478                 | 27 040                                      | 15 176                         | 82 695  |       |
| Q3   | 47 330                           | 13 605             | 2 109                  | 168   | 16 674                 | 4 024   | 83 909  | 7 151               | 15 167   | 18 783                 | 27 600                                      | 15 174                         | 83 909  |       |
| Q4   | 46 858                           | 12 975             | 2 123                  | 179   | 16 936                 | 4 351   | 83 423  | 6 201               | 15 582   | 19 058                 | 27 307                                      | 15 277                         | 83 423  |       |
| 2017 Q1  | 46 762                           | 12 921             | 2 161                  | 165   | 17 733                 | 4 524   | 84 265  | 6 171               | 14 807   | 19 774                 | 28 415                                      | 15 098                         | 84 265  |       |
| Q2   | 47 365                           | 13 892             | 2 267                  | 222   | 17 673                 | 4 449   | 85 868  | 6 280               | 15 616   | 19 890                 | 28 675                                      | 15 407                         | 85 868  |       |
| Q3   | 47 779                           | 13 631             | 2 078                  | 193   | 17 889                 | 4 541   | 86 111  | 5 719               | 15 535   | 20 057                 | 29 038                                      | 15 762                         | 86 111  |       |
| Q4   | 47 971                           | 13 585             | 1 696                  | 187   | 18 758                 | 4 476   | 86 673  | 5 080               | 15 896   | 20 534                 | 29 015                                      | 16 148                         | 86 673  |       |
| 2018 Q1  | 47 668                           | 13 369             | 1 335                  | 167   | 19 039                 | 4 420   | 85 998  | 5 555               | 15 406   | 20 374                 | 28 544                                      | 16 119                         | 85 998  |       |
| Q2   | 47 459                           | 13 248             | 960                    | 204   | 19 427                 | 4 223   | 85 521  | 5 078               | 15 390   | 20 388                 | 28 598                                      | 16 067                         | 85 521  |       |
| Q3   | 47 171                           | 14 084             | 1 011                  | 185   | 19 496                 | 4 320   | 86 267  | 4 582               | 15 533   | 20 507                 | 29 523                                      | 16 122                         | 86 267  |       |
| Q4   | 46 749                           | 14 160             | 973                    | 182   | 19 300                 | 4 348   | 85 712  | 4 575               | 15 116   | 20 273                 | 29 664                                      | 16 084                         | 85 712  |       |
| 2019 Q1  | 46 999                           | 15 300             | 1 191                  | 172   | 19 504                 | 4 329   | 87 495  | 4 103               | 16 112   | 20 695                 | 30 245                                      | 16 340                         | 87 495  |       |
| <b>Percentage change, latest year on previous year</b>                             |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |       |
|  | KG7M                             | KH92               | L64T                   | L64W  | L654                   | L64Z  | KG7N    | KH95                | KH96   | KH8Y                   | KH97  | KH98                           | KG7N    |       |
| 2015   | 3.7                              | -0.7               | -2.2                   | 3.4   | 7.8                    | -0.4  | 3.4     | 37.1                | -3.8   | 6.5                    | 4.2   | -3.1                           | 3.4     |       |
| 2016   | -0.2                             | 0.9                | 2.0                    | 4.6   | 9.1                    | 10.9  | 2.3     | 18.7                | -4.0   | 8.2                    | -0.5  | 0.9                            | 2.3     |       |
| 2017   | 1.5                              | 3.7                | -2.4                   | 5.6   | 8.9                    | 5.7   | 3.5     | -10.1               | 0.4  | 7.6                    | 5.9   | 2.9                            | 3.5     |       |
| 2018   | -0.4                             | 1.5                | -47.8                  | -3.8  | 7.2                    | -3.8  | 0.2     | -14.9               | -0.7   | 1.6                    | 1.0   | 3.2                            | 0.2     |       |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |       |
|  | KG7P                             | KH9C               | L64U                   | L64X  | L655                   | L652  | KG7Q    | KH9F                | KH9G   | KH9A                   | KH9H  | KH9I                           | KG7Q    |       |
| 2015 Q4  | 2.3                              | -1.4               | -3.5                   | -0.6  | 3.0                    | 4.4   | 1.8     | 8.7                 | 4.3  | 2.2                    | -   | -0.3                           | 1.8     |       |
| 2016 Q1  | -1.7                             | -1.2               | 2.7                    | -15.3   | 3.2                    | 9.7   | -       | 20.2                | -8.0   | 3.2                    | -1.3  | -0.1                           | -       |       |
| Q2   | 0.9                              | 8.4                | 2.3                    | 52.7  | 1.1                    | -9.9  | 1.6     | 0.7                 | 4.0  | 1.2                    | 1.0   | 0.9                            | 1.6     |       |
| Q3   | 1.5                              | 2.5                | -                      | -26.6   | 1.9                    | -1.7  | 1.5     | 14.0                | -3.7   | 1.7                    | 2.1   | -                              | 1.5     |       |
| Q4   | -1.0                             | -4.6               | 0.7                    | 6.5   | 1.6                    | 8.1   | -0.6    | -13.3               | 2.7  | 1.5                    | -1.1  | 0.7                            | -0.6    |       |
| 2017 Q1  | -0.2                             | -0.4               | 1.8                    | -7.8  | 4.7                    | 4.0   | 1.0     | -0.5                | -5.0   | 3.8                    | 4.1   | -1.2                           | 1.0     |       |
| Q2   | 1.3                              | 7.5                | 4.9                    | 34.5  | -0.3                   | -1.7  | 1.9     | 1.8                 | 5.5  | 0.6                    | 0.9   | 2.0                            | 1.9     |       |
| Q3   | 0.9                              | -1.9               | -8.3                   | -13.1   | 1.2                    | 2.1   | 0.3     | -8.9                | -0.5   | 0.8                    | 1.3   | 2.3                            | 0.3     |       |
| Q4   | 0.4                              | -0.3               | -18.4                  | -3.1  | 4.9                    | -1.4  | 0.7     | -11.2               | 2.3  | 2.4                    | -0.1  | 2.4                            | 0.7     |       |
| 2018 Q1  | -0.6                             | -1.6               | -21.3                  | -10.7   | 1.5                    | -1.3  | -0.8    | 9.4                 | -3.1   | -0.8                   | -1.6  | -0.2                           | -0.8    |       |
| Q2   | -0.4                             | -0.9               | -28.1                  | 22.2  | 2.0                    | -4.5  | -0.6    | -8.6                | -0.1   | 0.1                    | 0.2   | -0.3                           | -0.6    |       |
| Q3   | -0.6                             | 6.3                | 5.3                    | -9.3  | 0.4                    | 2.3   | 0.9     | -9.8                | 0.9  | 0.6                    | 3.2   | 0.3                            | 0.9     |       |
| Q4   | -0.9                             | 0.5                | -3.8                   | -1.6  | -1.0                   | 0.6   | -0.6    | -0.2                | -2.7   | -1.1                   | 0.5   | -0.2                           | -0.6    |       |
| 2019 Q1  | 0.5                              | 8.1                | 22.4                   | -5.5  | 1.1                    | -0.4  | 2.1     | -10.3               | 6.6  | 2.1                    | 2.0   | 1.6                            | 2.1     |       |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                                  |                    |                        |   |                        |   |         |                     |  |                        |   |                                |         |       |
|  | KG7S                             | KH9M               | L64V                   | L64Y  | L656                   | L653  | KG7T    | KH9P                | KH9Q   | KH9K                   | KH9R  | KH9S                           | KG7T    |       |
| 2015 Q4  | 2.9                              | -6.2               | -10.6                  | 3.5   | 10.0                   | 8.3   | 2.5     | 22.8                | -1.1   | 7.1                    | 2.3   | -4.0                           | 2.5     |       |
| 2016 Q1  | -2.1                             | -8.7               | -8.0                   | -17.6   | 13.0                   | 32.5  | 0.8     | -2.0                | -4.9   | 10.1                   | -1.8  | 2.5                            | 0.8     |       |
| Q2   | -1.1                             | -0.2               | 10.4                   | 45.9  | 6.1                    | 7.4   | 1.1     | 14.6                | -2.1   | 6.6                    | -2.3  | -0.6                           | 1.1     |       |
| Q3   | 2.9                              | 8.3                | 1.4                    | -5.6  | 9.4                    | 1.5   | 4.9     | 49.9                | -3.8   | 8.5                    | 1.7   | 0.4                            | 4.9     |       |
| Q4   | -0.4                             | 4.7                | 5.7                    | 1.1   | 8.0                    | 5.1   | 2.5     | 19.6                | -5.2   | 7.7                    | 0.6   | 1.4                            | 2.5     |       |
| 2017 Q1  | 1.2                              | 5.5                | 4.8                    | 10.0  | 9.5                    | -0.4  | 3.5     | -0.9                | -2.2   | 8.3                    | 6.1   | 0.4                            | 3.5     |       |
| Q2   | 1.6                              | 4.6                | 7.4                    | -3.1  | 8.0                    | 8.6   | 3.8     | 0.1                 | -0.8   | 7.6                    | 6.0   | 1.5                            | 3.8     |       |
| Q3   | 0.9                              | 0.2                | -1.5                   | 14.9  | 7.3                    | 12.8  | 2.6     | -20.0               | 2.4  | 6.8                    | 5.2   | 3.9                            | 2.6     |       |
| Q4   | 2.4                              | 4.7                | -20.1                  | 4.5   | 10.8                   | 2.9   | 3.9     | -18.1               | 2.0  | 7.7                    | 6.3   | 5.7                            | 3.9     |       |
| 2018 Q1  | 1.9                              | 3.5                | -38.2                  | 1.2   | 7.4                    | -2.3  | 2.1     | -10.0               | 4.0  | 3.0                    | 0.5   | 6.8                            | 2.1     |       |
| Q2   | 0.2                              | -4.6               | -57.7                  | -8.1  | 9.9                    | -5.1  | -0.4    | -19.1               | -1.4   | 2.5                    | -0.3  | 4.3                            | -0.4    |       |
| Q3   | -1.3                             | 3.3                | -51.3                  | -4.1  | 9.0                    | -4.9  | 0.2     | -19.9               | -  | 2.2                    | 1.7   | 2.3                            | 0.2     |       |
| Q4   | -2.5                             | 4.2                | -42.6                  | -2.7  | 2.9                    | -2.9  | -1.1    | -9.9                | -4.9   | -1.3                   | 2.2   | -0.4                           | -1.1    |       |
| 2019 Q1  | -1.4                             | 14.4               | -10.8                  | 3.0   | 2.4                    | -2.1  | 1.7     | -26.1               | 4.6  | 1.6                    | 6.0   | 1.4                            | 1.7     |       |

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.

# H1 Exports and imports of goods and services

## Current market prices

£ million

|  | Exports |          |         | Imports |          |         | Balance  |          |                    |
|--|---------|----------|---------|---------|----------|---------|----------|----------|--------------------|
|  | Goods   | Services | Total   | Goods   | Services | Total   | Goods    | Services | Total <sup>1</sup> |
|  | BOKG    | IKBB     | IKBH    | BOKH    | IKBC     | IKBI    | BOKI     | IKBD     | IKBJ               |
| 2015   | 286 752 | 232 858  | 519 610 | 404 562 | 142 032  | 546 594 | -117 810 | 90 826   | -26 984            |
| 2016   | 299 073 | 257 888  | 556 961 | 431 725 | 156 123  | 587 848 | -132 652 | 101 765  | -30 887            |
| 2017   | 338 739 | 278 800  | 617 539 | 475 774 | 165 698  | 641 472 | -137 035 | 113 102  | -23 933            |
| 2018   | 350 651 | 283 411  | 634 062 | 488 744 | 176 287  | 665 031 | -138 093 | 107 124  | -30 969            |
| <b>Seasonally adjusted</b>   |         |          |         |         |          |         |          |          |                    |
| 2015 Q4  | 70 804  | 59 634   | 130 438 | 100 274 | 36 457   | 136 731 | -29 470  | 23 177   | -6 293             |
| 2016 Q1  | 70 403  | 60 998   | 131 401 | 101 443 | 36 659   | 138 102 | -31 040  | 24 339   | -6 701             |
| Q2   | 73 778  | 62 266   | 136 044 | 104 321 | 37 941   | 142 262 | -30 543  | 24 325   | -6 218             |
| Q3   | 74 148  | 64 314   | 138 462 | 112 681 | 39 521   | 152 202 | -38 533  | 24 793   | -13 740            |
| Q4   | 80 744  | 70 310   | 151 054 | 113 280 | 42 002   | 155 282 | -32 536  | 28 308   | -4 228             |
| 2017 Q1  | 83 015  | 68 448   | 151 463 | 117 141 | 41 005   | 158 146 | -34 126  | 27 443   | -6 683             |
| Q2   | 84 136  | 68 908   | 153 044 | 118 563 | 41 446   | 160 009 | -34 427  | 27 462   | -6 965             |
| Q3   | 86 140  | 70 089   | 156 229 | 120 002 | 41 592   | 161 594 | -33 862  | 28 497   | -5 365             |
| Q4   | 85 448  | 71 355   | 156 803 | 120 068 | 41 655   | 161 723 | -34 620  | 29 700   | -4 920             |
| 2018 Q1  | 85 966  | 69 379   | 155 345 | 118 075 | 42 493   | 160 568 | -32 109  | 26 886   | -5 223             |
| Q2   | 86 371  | 70 261   | 156 632 | 120 619 | 43 461   | 164 080 | -34 248  | 26 800   | -7 448             |
| Q3   | 89 366  | 70 175   | 159 541 | 124 183 | 44 218   | 168 401 | -34 817  | 25 957   | -8 860             |
| Q4   | 88 948  | 73 596   | 162 544 | 125 867 | 46 115   | 171 982 | -36 919  | 27 481   | -9 438             |
| 2019 Q1  | 91 449  | 69 729   | 161 178 | 134 794 | 44 721   | 179 515 | -43 345  | 25 008   | -18 337            |
| <b>Percentage change, latest year on previous year</b>                             |         |          |         |         |          |         |          |          |                    |
|  | KG9K    | KH35     | KH2O    | KG9L    | KH3W     | KH3H    |          |          |                    |
| 2015   | -2.2    | 2.5      | -0.1    | -2.6    | 5.4      | -0.6    |          |          |                    |
| 2016   | 4.3     | 10.7     | 7.2     | 6.7     | 9.9      | 7.5     |          |          |                    |
| 2017   | 13.3    | 8.1      | 10.9    | 10.2    | 6.1      | 9.1     |          |          |                    |
| 2018   | 3.5     | 1.7      | 2.7     | 2.7     | 6.4      | 3.7     |          |          |                    |
| <b>Percentage change, latest quarter on previous quarter</b>                       |         |          |         |         |          |         |          |          |                    |
|  | KG9O    | KH36     | KH2P    | KG9P    | KH3X     | KH3I    |          |          |                    |
| 2015 Q4  | 0.3     | 4.0      | 2.0     | 1.7     | 2.5      | 1.9     |          |          |                    |
| 2016 Q1  | -0.6    | 2.3      | 0.7     | 1.2     | 0.6      | 1.0     |          |          |                    |
| Q2   | 4.8     | 2.1      | 3.5     | 2.8     | 3.5      | 3.0     |          |          |                    |
| Q3   | 0.5     | 3.3      | 1.8     | 8.0     | 4.2      | 7.0     |          |          |                    |
| Q4   | 8.9     | 9.3      | 9.1     | 0.5     | 6.3      | 2.0     |          |          |                    |
| 2017 Q1  | 2.8     | -2.6     | 0.3     | 3.4     | -2.4     | 1.8     |          |          |                    |
| Q2   | 1.4     | 0.7      | 1.0     | 1.2     | 1.1      | 1.2     |          |          |                    |
| Q3   | 2.4     | 1.7      | 2.1     | 1.2     | 0.4      | 1.0     |          |          |                    |
| Q4   | -0.8    | 1.8      | 0.4     | 0.1     | 0.2      | 0.1     |          |          |                    |
| 2018 Q1  | 0.6     | -2.8     | -0.9    | -1.7    | 2.0      | -0.7    |          |          |                    |
| Q2   | 0.5     | 1.3      | 0.8     | 2.2     | 2.3      | 2.2     |          |          |                    |
| Q3   | 3.5     | -0.1     | 1.9     | 3.0     | 1.7      | 2.6     |          |          |                    |
| Q4   | -0.5    | 4.9      | 1.9     | 1.4     | 4.3      | 2.1     |          |          |                    |
| 2019 Q1  | 2.8     | -5.3     | -0.8    | 7.1     | -3.0     | 4.4     |          |          |                    |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |         |          |         |         |          |         |          |          |                    |
|  | KG9S    | KH37     | KH2Q    | KG9T    | KH3Y     | KH3J    |          |          |                    |
| 2015 Q4  | -3.7    | 2.3      | -1.0    | -6.6    | 8.6      | -3.0    |          |          |                    |
| 2016 Q1  | -1.8    | 4.2      | 0.9     | -3.6    | 6.3      | -1.1    |          |          |                    |
| Q2   | 0.1     | 8.6      | 3.8     | 3.8     | 6.8      | 4.6     |          |          |                    |
| Q3   | 5.1     | 12.2     | 8.3     | 14.3    | 11.1     | 13.4    |          |          |                    |
| Q4   | 14.0    | 17.9     | 15.8    | 13.0    | 15.2     | 13.6    |          |          |                    |
| 2017 Q1  | 17.9    | 12.2     | 15.3    | 15.5    | 11.9     | 14.5    |          |          |                    |
| Q2   | 14.0    | 10.7     | 12.5    | 13.7    | 9.2      | 12.5    |          |          |                    |
| Q3   | 16.2    | 9.0      | 12.8    | 6.5     | 5.2      | 6.2     |          |          |                    |
| Q4   | 5.8     | 1.5      | 3.8     | 6.0     | -0.8     | 4.1     |          |          |                    |
| 2018 Q1  | 3.6     | 1.4      | 2.6     | 0.8     | 3.6      | 1.5     |          |          |                    |
| Q2   | 2.7     | 2.0      | 2.3     | 1.7     | 4.9      | 2.5     |          |          |                    |
| Q3   | 3.7     | 0.1      | 2.1     | 3.5     | 6.3      | 4.2     |          |          |                    |
| Q4   | 4.1     | 3.1      | 3.7     | 4.8     | 10.7     | 6.3     |          |          |                    |
| 2019 Q1  | 6.4     | 0.5      | 3.8     | 14.2    | 5.2      | 11.8    |          |          |                    |

<sup>1</sup> 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 <sup>1</sup> |
|  | BQKQ    | IKBE     | IKBK    | BQKO    | IKBF     | IKBL    | IKBM               |
| 2015   | 302 991 | 248 177  | 551 228 | 415 878 | 153 347  | 569 120 | -17 892            |
| 2016   | 299 073 | 257 888  | 556 961 | 431 725 | 156 123  | 587 848 | -30 887            |
| 2017   | 319 033 | 269 184  | 588 217 | 450 747 | 157 740  | 608 487 | -20 270            |
| 2018   | 318 700 | 270 200  | 588 900 | 448 265 | 164 236  | 612 501 | -23 601            |
| <b>Seasonally adjusted</b>   |         |          |         |         |          |         |                    |
| 2015 Q4  | 76 519  | 63 059   | 139 491 | 105 107 | 39 554   | 144 591 | -5 100             |
| 2016 Q1  | 74 823  | 63 507   | 138 252 | 105 537 | 38 438   | 143 976 | -5 724             |
| Q2   | 75 463  | 64 171   | 139 554 | 106 066 | 38 837   | 144 900 | -5 346             |
| Q3   | 72 300  | 62 781   | 135 108 | 110 687 | 38 673   | 149 364 | -14 256            |
| Q4   | 76 487  | 67 429   | 144 047 | 109 435 | 40 175   | 149 608 | -5 561             |
| 2017 Q1  | 77 953  | 66 320   | 144 273 | 111 703 | 39 186   | 150 889 | -6 616             |
| Q2   | 79 606  | 66 461   | 146 067 | 112 805 | 39 451   | 152 256 | -6 189             |
| Q3   | 81 852  | 67 007   | 148 859 | 113 601 | 39 498   | 153 099 | -4 240             |
| Q4   | 79 622  | 69 396   | 149 018 | 112 638 | 39 605   | 152 243 | -3 225             |
| 2018 Q1  | 80 149  | 66 924   | 147 073 | 111 273 | 40 068   | 151 341 | -4 268             |
| Q2   | 78 616  | 67 038   | 145 654 | 111 271 | 40 669   | 151 940 | -6 286             |
| Q3   | 80 560  | 66 343   | 146 903 | 111 970 | 41 048   | 153 018 | -6 115             |
| Q4   | 79 375  | 69 895   | 149 270 | 113 751 | 42 451   | 156 202 | -6 932             |
| 2019 Q1  | 82 950  | 66 382   | 149 332 | 126 275 | 40 567   | 166 842 | -17 510            |
| <b>Percentage change, latest year on previous year</b>                             |         |          |         |         |          |         |                    |
|  | KG9X    | KH3B     | KH2U    | KG9W    | KH44     | KH3N    |                    |
| 2015   | 6.7     | 1.6      | 4.4     | 4.4     | 8.9      | 5.5     |                    |
| 2016   | -1.3    | 3.9      | 1.0     | 3.8     | 1.8      | 3.3     |                    |
| 2017   | 6.7     | 4.4      | 5.6     | 4.4     | 1.0      | 3.5     |                    |
| 2018   | -0.1    | 0.4      | 0.1     | -0.6    | 4.1      | 0.7     |                    |
| <b>Percentage change, latest quarter on previous quarter</b>                       |         |          |         |         |          |         |                    |
|  | KGA2    | KH3C     | KH2V    | KG9Z    | KH45     | KH3O    |                    |
| 2015 Q4  | 1.2     | 3.3      | 2.0     | 2.7     | 2.6      | 2.7     |                    |
| 2016 Q1  | -2.2    | 0.7      | -0.9    | 0.4     | -2.8     | -0.4    |                    |
| Q2   | 0.9     | 1.0      | 0.9     | 0.5     | 1.0      | 0.6     |                    |
| Q3   | -4.2    | -2.2     | -3.2    | 4.4     | -0.4     | 3.1     |                    |
| Q4   | 5.8     | 7.4      | 6.6     | -1.1    | 3.9      | 0.2     |                    |
| 2017 Q1  | 1.9     | -1.6     | 0.2     | 2.1     | -2.5     | 0.9     |                    |
| Q2   | 2.1     | 0.2      | 1.2     | 1.0     | 0.7      | 0.9     |                    |
| Q3   | 2.8     | 0.8      | 1.9     | 0.7     | 0.1      | 0.6     |                    |
| Q4   | -2.7    | 3.6      | 0.1     | -0.8    | 0.3      | -0.6    |                    |
| 2018 Q1  | 0.7     | -3.6     | -1.3    | -1.2    | 1.2      | -0.6    |                    |
| Q2   | -1.9    | 0.2      | -1.0    | -       | 1.5      | 0.4     |                    |
| Q3   | 2.5     | -1.0     | 0.9     | 0.6     | 0.9      | 0.7     |                    |
| Q4   | -1.5    | 5.4      | 1.6     | 1.6     | 3.4      | 2.1     |                    |
| 2019 Q1  | 4.5     | -5.0     | -       | 11.0    | -4.4     | 6.8     |                    |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |         |          |         |         |          |         |                    |
|  | KGA5    | KH3D     | KH2W    | KGA4    | KH46     | KH3P    |                    |
| 2015 Q4  | 5.0     | 0.8      | 3.1     | 0.4     | 11.5     | 3.0     |                    |
| 2016 Q1  | 0.9     | 1.1      | 1.0     | -0.8    | 4.4      | 0.4     |                    |
| Q2   | -1.6    | 4.8      | 1.1     | 4.0     | 1.1      | 3.2     |                    |
| Q3   | -4.4    | 2.8      | -1.2    | 8.2     | 0.3      | 6.1     |                    |
| Q4   | -       | 6.9      | 3.3     | 4.1     | 1.6      | 3.5     |                    |
| 2017 Q1  | 4.2     | 4.4      | 4.4     | 5.8     | 1.9      | 4.8     |                    |
| Q2   | 5.5     | 3.6      | 4.7     | 6.4     | 1.6      | 5.1     |                    |
| Q3   | 13.2    | 6.7      | 10.2    | 2.6     | 2.1      | 2.5     |                    |
| Q4   | 4.1     | 2.9      | 3.5     | 2.9     | -1.4     | 1.8     |                    |
| 2018 Q1  | 2.8     | 0.9      | 1.9     | -0.4    | 2.3      | 0.3     |                    |
| Q2   | -1.2    | 0.9      | -0.3    | -1.4    | 3.1      | -0.2    |                    |
| Q3   | -1.6    | -1.0     | -1.3    | -1.4    | 3.9      | -0.1    |                    |
| Q4   | -0.3    | 0.7      | 0.2     | 1.0     | 7.2      | 2.6     |                    |
| 2019 Q1  | 3.5     | -0.8     | 1.5     | 13.5    | 1.2      | 10.2    |                    |

<sup>1</sup> Trade balance is calculated by using exports of goods and services minus imports of goods and services

## Gross value added at basic prices: individual measures

|  | £ million   |                            |                       |                             | Index numbers (2016 = 100) <sup>3</sup> |                       |                            |                                    |                       |
|--|---|----------------------------|-----------------------|-----------------------------|---|-----------------------|----------------------------|------------------------------------|-----------------------|
|  | Expenditure-based estimate at chained volume measures | At current prices          |                       |                             | Value indices at current prices         |                       | Chained volume indices     |                                    |                       |
|  |   | Expenditure-based estimate | Income-based estimate | Residual error <sup>1</sup> | Expenditure-based estimate              | Income-based estimate | Expenditure-based estimate | Income-based estimate <sup>2</sup> | Output-based estimate |
|  |   |                            |                       |                             |   |                       |                            |                                    |                       |
|  | CAGR  | CAGQ                       | CAGS                  | DJDS                        | IHYA                                    | IHYB                  | IHYC                       | IHYD                               | YBFR                  |
| 2015   | 1 723 523   | 1 692 039                  | 1 692 039             | –                           | 96.4                                    | 96.4                  | 98.1                       | 98.1                               | 98.1                  |
| 2016   | 1 756 045   | 1 756 045                  | 1 756 045             | –                           | 100.0                                   | 100.0                 | 100.0                      | 100.0                              | 100.0                 |
| 2017   | 1 794 096   | 1 827 756                  | 1 818 682             | 9 074                       | 104.1                                   | 103.6                 | 102.2                      | 101.7                              | 102.4                 |
| 2018   | 1 819 742   | 1 889 870                  | 1 877 015             | 12 855                      | 107.6                                   | 106.9                 | 103.6                      | 102.9                              | 103.9                 |
| <b>Seasonally adjusted</b>   |   |                            |                       |                             |   |                       |                            |                                    |                       |
| 2015 Q4  | 433 845   | 426 098                    | 426 098               | –                           | 97.1                                    | 97.1                  | 98.8                       | 98.8                               | 98.8                  |
| 2016 Q1  | 435 169   | 432 659                    | 432 659               | –                           | 98.6                                    | 98.6                  | 99.1                       | 99.1                               | 99.1                  |
| Q2   | 437 116   | 436 513                    | 436 513               | –                           | 99.4                                    | 99.4                  | 99.6                       | 99.6                               | 99.6                  |
| Q3   | 439 892   | 440 577                    | 440 577               | –                           | 100.4                                   | 100.4                 | 100.2                      | 100.2                              | 100.2                 |
| Q4   | 443 868   | 446 296                    | 446 296               | –                           | 101.7                                   | 101.7                 | 101.1                      | 101.1                              | 101.1                 |
| 2017 Q1  | 445 592   | 451 941                    | 450 865               | 1 076                       | 102.9                                   | 102.7                 | 101.5                      | 101.3                              | 101.7                 |
| Q2   | 446 940   | 453 775                    | 451 913               | 1 862                       | 103.4                                   | 102.9                 | 101.8                      | 101.4                              | 102.1                 |
| Q3   | 449 692   | 458 107                    | 455 342               | 2 765                       | 104.3                                   | 103.7                 | 102.4                      | 101.8                              | 102.6                 |
| Q4   | 451 872   | 463 933                    | 460 562               | 3 371                       | 105.7                                   | 104.9                 | 102.9                      | 102.2                              | 103.0                 |
| 2018 Q1  | 451 828   | 467 396                    | 464 091               | 3 305                       | 106.5                                   | 105.7                 | 102.9                      | 102.2                              | 103.1                 |
| Q2   | 453 665   | 468 731                    | 465 380               | 3 351                       | 106.8                                   | 106.0                 | 103.3                      | 102.6                              | 103.6                 |
| Q3   | 456 715   | 475 089                    | 471 849               | 3 240                       | 108.2                                   | 107.5                 | 104.0                      | 103.3                              | 104.3                 |
| Q4   | 457 534   | 478 654                    | 475 695               | 2 959                       | 109.0                                   | 108.4                 | 104.2                      | 103.6                              | 104.5                 |
| 2019 Q1  | 459 964   | 484 317                    | 481 023               | 3 294                       | 110.3                                   | 109.6                 | 104.8                      | 104.1                              | 105.1                 |
| <b>Percentage change, latest year on previous year</b>                             |   |                            |                       |                             |   |                       |                            |                                    |                       |
|  | KH4D  | KH47                       | KH68                  |                             | KH47                                    | KH68                  | KH4D                       | KH6E                               | GDPQ                  |
| 2015   | 2.5   | 2.8                        | 2.8                   |                             | 2.8                                     | 2.8                   | 2.5                        | 2.5                                | 2.5                   |
| 2016   | 1.9   | 3.8                        | 3.8                   |                             | 3.8                                     | 3.8                   | 1.9                        | 1.9                                | 1.9                   |
| 2017   | 2.2   | 4.1                        | 3.6                   |                             | 4.1                                     | 3.6                   | 2.2                        | 1.7                                | 2.4                   |
| 2018   | 1.4   | 3.4                        | 3.2                   |                             | 3.4                                     | 3.2                   | 1.4                        | 1.2                                | 1.5                   |
| <b>Percentage change, latest quarter on previous quarter</b>                       |   |                            |                       |                             |   |                       |                            |                                    |                       |
|  | KH4F  | KH49                       | KH6A                  |                             | KH49                                    | KH6A                  | KH4F                       | KH6G                               |                       |
| 2015 Q4  | 0.5   | 0.5                        | 0.5                   |                             | 0.5                                     | 0.5                   | 0.5                        | 0.5                                | 0.5                   |
| 2016 Q1  | 0.3   | 1.5                        | 1.5                   |                             | 1.5                                     | 1.5                   | 0.3                        | 0.3                                | 0.3                   |
| Q2   | 0.4   | 0.9                        | 0.9                   |                             | 0.9                                     | 0.9                   | 0.4                        | 0.4                                | 0.4                   |
| Q3   | 0.6   | 0.9                        | 0.9                   |                             | 0.9                                     | 0.9                   | 0.6                        | 0.6                                | 0.6                   |
| Q4   | 0.9   | 1.3                        | 1.3                   |                             | 1.3                                     | 1.3                   | 0.9                        | 0.9                                | 0.9                   |
| 2017 Q1  | 0.4   | 1.3                        | 1.0                   |                             | 1.3                                     | 1.0                   | 0.4                        | 0.2                                | 0.6                   |
| Q2   | 0.3   | 0.4                        | 0.2                   |                             | 0.4                                     | 0.2                   | 0.3                        | 0.1                                | 0.3                   |
| Q3   | 0.6   | 1.0                        | 0.8                   |                             | 1.0                                     | 0.8                   | 0.6                        | 0.4                                | 0.5                   |
| Q4   | 0.5   | 1.3                        | 1.1                   |                             | 1.3                                     | 1.1                   | 0.5                        | 0.4                                | 0.4                   |
| 2018 Q1  | –   | 0.7                        | 0.8                   |                             | 0.7                                     | 0.8                   | –                          | –                                  | 0.1                   |
| Q2   | 0.4   | 0.3                        | 0.3                   |                             | 0.3                                     | 0.3                   | 0.4                        | 0.4                                | 0.4                   |
| Q3   | 0.7   | 1.4                        | 1.4                   |                             | 1.4                                     | 1.4                   | 0.7                        | 0.7                                | 0.7                   |
| Q4   | 0.2   | 0.8                        | 0.8                   |                             | 0.8                                     | 0.8                   | 0.2                        | 0.2                                | 0.2                   |
| 2019 Q1  | 0.5   | 1.2                        | 1.1                   |                             | 1.2                                     | 1.1                   | 0.5                        | 0.5                                | 0.5                   |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |   |                            |                       |                             |   |                       |                            |                                    |                       |
|  | KH4H  | KH4B                       | KH6C                  |                             | KH4B                                    | KH6C                  | KH4H                       | KH6I                               | GDPR                  |
| 2015 Q4  | 1.8   | 2.8                        | 2.8                   |                             | 2.8                                     | 2.8                   | 1.8                        | 1.8                                | 1.8                   |
| 2016 Q1  | 1.8   | 3.6                        | 3.6                   |                             | 3.6                                     | 3.6                   | 1.8                        | 1.8                                | 1.8                   |
| Q2   | 1.6   | 2.8                        | 2.8                   |                             | 2.8                                     | 2.8                   | 1.6                        | 1.6                                | 1.6                   |
| Q3   | 1.9   | 3.9                        | 3.9                   |                             | 3.9                                     | 3.9                   | 1.9                        | 1.9                                | 1.9                   |
| Q4   | 2.3   | 4.7                        | 4.7                   |                             | 4.7                                     | 4.7                   | 2.3                        | 2.3                                | 2.3                   |
| 2017 Q1  | 2.4   | 4.5                        | 4.2                   |                             | 4.5                                     | 4.2                   | 2.4                        | 2.1                                | 2.6                   |
| Q2   | 2.2   | 4.0                        | 3.5                   |                             | 4.0                                     | 3.5                   | 2.2                        | 1.8                                | 2.5                   |
| Q3   | 2.2   | 4.0                        | 3.4                   |                             | 4.0                                     | 3.4                   | 2.2                        | 1.6                                | 2.4                   |
| Q4   | 1.8   | 4.0                        | 3.2                   |                             | 4.0                                     | 3.2                   | 1.8                        | 1.1                                | 1.9                   |
| 2018 Q1  | 1.4   | 3.4                        | 2.9                   |                             | 3.4                                     | 2.9                   | 1.4                        | 0.9                                | 1.4                   |
| Q2   | 1.5   | 3.3                        | 3.0                   |                             | 3.3                                     | 3.0                   | 1.5                        | 1.2                                | 1.4                   |
| Q3   | 1.6   | 3.7                        | 3.6                   |                             | 3.7                                     | 3.6                   | 1.6                        | 1.5                                | 1.6                   |
| Q4   | 1.3   | 3.2                        | 3.3                   |                             | 3.2                                     | 3.3                   | 1.3                        | 1.4                                | 1.5                   |
| 2019 Q1  | 1.8   | 3.6                        | 3.6                   |                             | 3.6                                     | 3.6                   | 1.8                        | 1.8                                | 1.9                   |

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

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

# M Alignment adjustments

£ million

|                            | Changes in inventories |  | Gross operating surplus of<br>non-financial corporations<br>at current prices |
|----------------------------|------------------------|--|---|
|                            | At current prices      | Chained volume measures<br>(Reference year 2016) |   |
| <b>Seasonally adjusted</b> |                        |  |   |
| 2015 Q4                    | DMUN<br>-334           | DMUM<br>-345                                     | DMUQ<br>-867  |
| 2016 Q1                    | -84                    | -86  | 1 912   |
| Q2                         | -900                   | -903   | -1 681  |
| Q3                         | 1 981                  | 1 977  | -1 987  |
| Q4                         | -997                   | -988   | 1 756   |
| 2017 Q1                    | 1 089                  | 1 070  | 2 574   |
| Q2                         | -1 609                 | -1 580   | -2 507  |
| Q3                         | 639                    | 625  | -689  |
| Q4                         | -119                   | -115   | 622   |
| 2018 Q1                    | -1 622                 | -1 561   | 1 886   |
| Q2                         | -348                   | -329   | -1 637  |
| Q3                         | -570                   | -540   | -703  |
| Q4                         | 2 540                  | 2 430  | 454   |
| 2019 Q1                    | -678                   | -641   | 1 906   |

# N Selected financial year variables 1,2

£ millions except deflator index which is 2018/2019 = 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 <sup>3 4</sup> |
|  | YBHA                                    | BKTL  | ABML                              | NMRP   | RPZG   | ABMI  | ABMM                              | NMRY   | DLWF   | L8GG   |
| 2015/16  | 1 913 870                               | 1 912 472   | 1 707 180                         | 362 579  | 49 784   | 1 944 905                                     | 1 731 157                         | 366 806  | 50 492   | 94.1075  |
| 2016/17  | 1 991 226                               | 1 989 398   | 1 775 338                         | 369 396  | 53 376   | 1 978 370                                     | 1 766 479                         | 367 357  | 52 778   | 96.2514  |
| 2017/18  | 2 065 492                               | 2 067 387   | 1 840 550                         | 377 767  | 55 722   | 2 011 630                                     | 1 797 747                         | 367 992  | 54 477   | 98.1925  |
| 2018/19  | 2 135 993                               | 2 135 040   | 1 904 145                         | 390 275  | 59 748   | 2 042 689                                     | 1 825 347                         | 370 643  | 56 792   | 100.0000   |
| <b>Seasonally adjusted</b>   |   |   |                                   |  |  |   |                                   |  |  |  |
| 2015 Q4  | 477 774                                 | 485 250   | 426 098                           | 90 443   | 12 294   | 488 153                                       | 433 845                           | 91 665   | 12 390   | 93.6009  |
| 2016 Q1  | 485 326                                 | 485 753   | 432 659                           | 91 626   | 12 128   | 489 736                                       | 435 169                           | 92 044   | 12 243   | 94.7731  |
| Q2   | 489 494                                 | 486 658   | 436 513                           | 91 550   | 13 111   | 490 502                                       | 437 116                           | 91 959   | 13 277   | 95.4377  |
| Q3   | 493 730                                 | 490 693   | 440 577                           | 92 032   | 13 460   | 492 816                                       | 439 892                           | 91 968   | 13 605   | 95.8116  |
| Q4   | 500 974                                 | 506 420   | 446 296                           | 92 766   | 13 401   | 496 470                                       | 443 868                           | 92 003   | 12 975   | 96.5018  |
| 2017 Q1  | 507 028                                 | 505 627   | 451 952                           | 93 048   | 13 404   | 498 582                                       | 445 603                           | 91 427   | 12 921   | 97.2543  |
| Q2   | 508 869                                 | 506 918   | 453 572                           | 93 403   | 13 995   | 499 885                                       | 446 741                           | 91 876   | 13 892   | 97.3530  |
| Q3   | 514 258                                 | 510 663   | 457 448                           | 93 895   | 13 793   | 502 473                                       | 449 048                           | 91 969   | 13 631   | 97.8772  |
| Q4   | 519 474                                 | 526 421   | 462 901                           | 94 873   | 13 901   | 504 487                                       | 450 870                           | 91 995   | 13 585   | 98.4753  |
| 2018 Q1  | 522 891                                 | 523 385   | 466 629                           | 95 596   | 14 033   | 504 785                                       | 451 088                           | 92 152   | 13 369   | 99.0645  |
| Q2   | 526 394                                 | 523 463   | 467 955                           | 95 981   | 13 698   | 506 842                                       | 452 918                           | 91 790   | 13 248   | 99.3234  |
| Q3   | 532 444                                 | 529 833   | 474 395                           | 96 736   | 14 667   | 510 346                                       | 456 050                           | 91 726   | 14 084   | 99.7752  |
| Q4   | 535 995                                 | 541 043   | 478 146                           | 97 778   | 14 854   | 511 482                                       | 457 049                           | 92 919   | 14 160   | 100.2175   |
| 2019 Q1  | 541 160                                 | 540 701   | 483 649                           | 99 780   | 16 529   | 514 019                                       | 459 330                           | 94 208   | 15 300   | 100.6839   |
| <b>Percentage change, latest financial year on previous financial year</b>         |   |   |                                   |  |  |   |                                   |  |  |  |
| 2015/16  | 3.0                                     | 3.1   | 2.9                               | 1.4  | -1.6   | 2.2   | 2.2                               | 1.6  | -2.1   | 0.8  |
| 2016/17  | 4.0                                     | 4.0   | 4.0                               | 1.9  | 7.2  | 1.7   | 2.0                               | 0.2  | 4.5  | 2.3  |
| 2017/18  | 3.7                                     | 3.9   | 3.7                               | 2.3  | 4.4  | 1.7   | 1.8                               | 0.2  | 3.2  | 2.0  |
| 2018/19  | 3.4                                     | 3.3   | 3.5                               | 3.3  | 7.2  | 1.5   | 1.5                               | 0.7  | 4.2  | 1.8  |
| <b>Percentage change, latest quarter on previous quarter</b>                       |   |   |                                   |  |  |   |                                   |  |  |  |
|  | IHYN                                    | A8L9  | KGL8                              | KH2D   | KH7P   | IHYQ  | KGM9                              | KH2J   | KH9C   | L8GH   |
| 2015 Q4  | 0.5                                     | 2.7   | 0.5                               | -0.7   | -0.5   | 0.7   | 0.5                               | -0.2   | -1.4   | -0.3   |
| 2016 Q1  | 1.6                                     | 0.1   | 1.5                               | 1.3  | -1.4   | 0.3   | 0.3                               | 0.4  | -1.2   | 1.3  |
| Q2   | 0.9                                     | 0.2   | 0.9                               | -0.1   | 8.1  | 0.2   | 0.4                               | -0.1   | 8.4  | 0.7  |
| Q3   | 0.9                                     | 0.8   | 0.9                               | 0.5  | 2.7  | 0.5   | 0.6                               | -  | 2.5  | 0.4  |
| Q4   | 1.5                                     | 3.2   | 1.3                               | 0.8  | -0.4   | 0.7   | 0.9                               | -  | -4.6   | 0.7  |
| 2017 Q1  | 1.2                                     | -0.2  | 1.3                               | 0.3  | -  | 0.4   | 0.4                               | -0.6   | -0.4   | 0.8  |
| Q2   | 0.4                                     | 0.3   | 0.4                               | 0.4  | 4.4  | 0.3   | 0.3                               | 0.5  | 7.5  | 0.1  |
| Q3   | 1.1                                     | 0.7   | 0.9                               | 0.5  | -1.4   | 0.5   | 0.5                               | 0.1  | -1.9   | 0.5  |
| Q4   | 1.0                                     | 3.1   | 1.2                               | 1.0  | 0.8  | 0.4   | 0.4                               | -  | -0.3   | 0.6  |
| 2018 Q1  | 0.7                                     | -0.6  | 0.8                               | 0.8  | 0.9  | 0.1   | -                                 | 0.2  | -1.6   | 0.6  |
| Q2   | 0.7                                     | -   | 0.3                               | 0.4  | -2.4   | 0.4   | 0.4                               | -0.4   | -0.9   | 0.3  |
| Q3   | 1.1                                     | 1.2   | 1.4                               | 0.8  | 7.1  | 0.7   | 0.7                               | -0.1   | 6.3  | 0.5  |
| Q4   | 0.7                                     | 2.1   | 0.8                               | 1.1  | 1.3  | 0.2   | 0.2                               | 1.3  | 0.5  | 0.4  |
| 2019 Q1  | 1.0                                     | -0.1  | 1.2                               | 2.0  | 11.3   | 0.5   | 0.5                               | 1.4  | 8.1  | 0.5  |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |   |   |                                   |  |  |   |                                   |  |  |  |
|  | IHYO                                    | A8LA  | KGM2                              | KH2E   | KH7R   | IHYR  | KGN3                              | KH2K   | KH9M   | L8GI   |
| 2015 Q4  | 2.8                                     | 3.1   | 2.8                               | 0.7  | -5.5   | 2.2   | 1.8                               | 1.8  | -6.2   | 0.5  |
| 2016 Q1  | 3.9                                     | 3.5   | 3.6                               | 1.7  | -9.1   | 2.1   | 1.8                               | 1.7  | -8.7   | 1.7  |
| Q2   | 3.0                                     | 3.7   | 2.8                               | 2.4  | 0.8  | 1.7   | 1.6                               | 0.7  | -0.2   | 1.3  |
| Q3   | 3.8                                     | 3.9   | 3.9                               | 1.0  | 8.9  | 1.7   | 1.9                               | 0.2  | 8.3  | 2.1  |
| Q4   | 4.9                                     | 4.4   | 4.7                               | 2.6  | 9.0  | 1.7   | 2.3                               | 0.4  | 4.7  | 3.1  |
| 2017 Q1  | 4.5                                     | 4.1   | 4.5                               | 1.6  | 10.5   | 1.8   | 2.4                               | -0.7   | 5.5  | 2.6  |
| Q2   | 4.0                                     | 4.2   | 3.9                               | 2.0  | 6.7  | 1.9   | 2.2                               | -0.1   | 4.6  | 2.0  |
| Q3   | 4.2                                     | 4.1   | 3.8                               | 2.0  | 2.5  | 2.0   | 2.1                               | -  | 0.2  | 2.2  |
| Q4   | 3.7                                     | 3.9   | 3.7                               | 2.3  | 3.7  | 1.6   | 1.6                               | -  | 4.7  | 2.0  |
| 2018 Q1  | 3.1                                     | 3.5   | 3.2                               | 2.7  | 4.7  | 1.2   | 1.2                               | 0.8  | 3.5  | 1.9  |
| Q2   | 3.4                                     | 3.3   | 3.2                               | 2.8  | -2.1   | 1.4   | 1.4                               | -0.1   | -4.6   | 2.0  |
| Q3   | 3.5                                     | 3.8   | 3.7                               | 3.0  | 6.3  | 1.6   | 1.6                               | -0.3   | 3.3  | 1.9  |
| Q4   | 3.2                                     | 2.8   | 3.3                               | 3.1  | 6.9  | 1.4   | 1.4                               | 1.0  | 4.2  | 1.8  |
| 2019 Q1  | 3.5                                     | 3.3   | 3.6                               | 4.4  | 17.8   | 1.8   | 1.8                               | 2.2  | 14.4   | 1.6  |

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 2018/2019 = 100 for presentational purposes, whereas in table A1 it is expressed as 2016 = 100.

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



# O Selected implied deflators<sup>1</sup>

2018 = 100

|  | Implied deflators <sup>2</sup> |  |                                   |
|--|--------------------------------|--|-----------------------------------|
|  | Gross national expenditure     | Gross domestic product at market prices <sup>3</sup> | Gross value added at basic prices |
|  | MNE2                           | MNF2   | MNX5                              |
| 2015   | 94.2529                        | 94.0837  | 94.5320                           |
| 2016   | 95.7365                        | 96.0197  | 96.2890                           |
| 2017   | 98.0001                        | 98.1373  | 98.0956                           |
| 2018   | 100.0000                       | 100.0000   | 100.0000                          |
| <b>Seasonally adjusted</b>   |                                |  |                                   |
| 2015 Q4  | 93.9497                        | 93.9813  | 94.5724                           |
| 2016 Q1  | 95.0842                        | 95.1583  | 95.7365                           |
| Q2   | 95.7131                        | 95.8256  | 96.1590                           |
| Q3   | 95.8568                        | 96.2010  | 96.4418                           |
| Q4   | 96.2921                        | 96.8941  | 96.8186                           |
| 2017 Q1  | 97.3525                        | 97.6496  | 97.6638                           |
| Q2   | 97.5856                        | 97.7487  | 97.7642                           |
| Q3   | 98.1781                        | 98.2751  | 98.0931                           |
| Q4   | 98.8843                        | 98.8756  | 98.8613                           |
| 2018 Q1  | 99.3239                        | 99.4672  | 99.6093                           |
| Q2   | 99.6037                        | 99.7272  | 99.4888                           |
| Q3   | 100.3439                       | 100.1808   | 100.1653                          |
| Q4   | 100.7285                       | 100.6249   | 100.7366                          |
| 2019 Q1  | 100.7769                       | 101.0931   | 101.3900                          |
| <b>Percentage change, latest year on previous year</b>                             |                                |  |                                   |
|  | MNE3                           | MNF3   | MNX6                              |
| 2015   | -0.1                           | 0.4  | 0.2                               |
| 2016   | 1.6                            | 2.1  | 1.9                               |
| 2017   | 2.4                            | 2.2  | 1.9                               |
| 2018   | 2.0                            | 1.9  | 1.9                               |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                                |  |                                   |
|  | MNE4                           | MNF4   | MNX7                              |
| 2015 Q4  | -0.5                           | -0.3   | -                                 |
| 2016 Q1  | 1.2                            | 1.3  | 1.2                               |
| Q2   | 0.7                            | 0.7  | 0.4                               |
| Q3   | 0.2                            | 0.4  | 0.3                               |
| Q4   | 0.5                            | 0.7  | 0.4                               |
| 2017 Q1  | 1.1                            | 0.8  | 0.9                               |
| Q2   | 0.2                            | 0.1  | 0.1                               |
| Q3   | 0.6                            | 0.5  | 0.3                               |
| Q4   | 0.7                            | 0.6  | 0.8                               |
| 2018 Q1  | 0.4                            | 0.6  | 0.8                               |
| Q2   | 0.3                            | 0.3  | -0.1                              |
| Q3   | 0.7                            | 0.5  | 0.7                               |
| Q4   | 0.4                            | 0.4  | 0.6                               |
| 2019 Q1  | -                              | 0.5  | 0.6                               |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                                |  |                                   |
|  | MNE5                           | MNF5   | MNX8                              |
| 2015 Q4  | -0.1                           | 0.5  | 0.9                               |
| 2016 Q1  | 1.3                            | 1.7  | 1.8                               |
| Q2   | 0.9                            | 1.3  | 1.3                               |
| Q3   | 1.5                            | 2.1  | 2.0                               |
| Q4   | 2.5                            | 3.1  | 2.4                               |
| 2017 Q1  | 2.4                            | 2.6  | 2.0                               |
| Q2   | 2.0                            | 2.0  | 1.7                               |
| Q3   | 2.4                            | 2.2  | 1.7                               |
| Q4   | 2.7                            | 2.0  | 2.1                               |
| 2018 Q1  | 2.0                            | 1.9  | 2.0                               |
| Q2   | 2.1                            | 2.0  | 1.8                               |
| Q3   | 2.2                            | 1.9  | 2.1                               |
| Q4   | 1.9                            | 1.8  | 1.9                               |
| 2019 Q1  | 1.5                            | 1.6  | 1.8                               |

1 Implied deflator is expressed in terms of 2018 = 100, whereas in table A1 it is expressed as 2016 = 100.

2 Data are only considered accurate to 1 decimal place.

3 Implied deflator is displayed with 4 decimal places to replace a GDP deflator in index form series previously calculated by HM Treasury.

# P GDP Per Head<sup>1</sup>

£

|  | UK resident population<br>mid-year estimates<br>(persons thousands) <sup>2</sup> | Current Prices  |                                    | Chained volume measures (Reference year 2016)           |                                    |
|--|--|---|------------------------------------|---|------------------------------------|
|  |  | Gross domestic product<br>at market prices <sup>3</sup> | Gross domestic product<br>per head | Gross domestic product<br>at market prices <sup>3</sup> | Gross domestic product<br>per head |
|  | EBAQ   | YBHA  | IHXT                               | ABMI  | IHXW                               |
| 2015   | 65 110   | 1 895 839   | 29 117                             | 1 934 903   | 29 717                             |
| 2016   | 65 648   | 1 969 524   | 30 001                             | 1 969 524   | 30 001                             |
| 2017   | 66 040   | 2 049 629   | 31 036                             | 2 005 427   | 30 367                             |
| 2018   | 66 466   | 2 117 724   | 31 862                             | 2 033 455   | 30 594                             |
| <b>Seasonally adjusted</b>   |  |   |                                    |   |                                    |
| 2015 Q4  | 65 379   | 477 774   | 7 308                              | 488 153   | 7 467                              |
| 2016 Q1  | 65 514   | 485 326   | 7 408                              | 489 736   | 7 475                              |
| Q2   | 65 648   | 489 494   | 7 456                              | 490 502   | 7 472                              |
| Q3   | 65 746   | 493 730   | 7 510                              | 492 816   | 7 496                              |
| Q4   | 65 844   | 500 974   | 7 608                              | 496 470   | 7 540                              |
| 2017 Q1  | 65 942   | 507 028   | 7 689                              | 498 582   | 7 561                              |
| Q2   | 66 040   | 508 869   | 7 705                              | 499 885   | 7 569                              |
| Q3   | 66 146   | 514 258   | 7 775                              | 502 473   | 7 596                              |
| Q4   | 66 253   | 519 474   | 7 841                              | 504 487   | 7 615                              |
| 2018 Q1  | 66 359   | 522 891   | 7 880                              | 504 785   | 7 607                              |
| Q2   | 66 466   | 526 394   | 7 920                              | 506 842   | 7 626                              |
| Q3   | 66 572   | 532 444   | 7 998                              | 510 346   | 7 666                              |
| Q4   | 66 678   | 535 995   | 8 039                              | 511 482   | 7 671                              |
| 2019 Q1  | 66 767   | 541 160   | 8 105                              | 514 019   | 7 699                              |
| <b>Percentage change, latest year on previous year</b>                             |  |   |                                    |   |                                    |
|  |  | IHYM  | N3Y3                               | IHYP  | N3Y6                               |
| 2015   |  | 2.8   | 2.0                                | 2.3   | 1.5                                |
| 2016   |  | 3.9   | 3.0                                | 1.8   | 1.0                                |
| 2017   |  | 4.1   | 3.4                                | 1.8   | 1.2                                |
| 2018   |  | 3.3   | 2.7                                | 1.4   | 0.7                                |
| <b>Percentage change, latest quarter on previous quarter</b>                       |  |   |                                    |   |                                    |
|  |  | IHYN  | N3Y4                               | IHYQ  | N3Y7                               |
| 2015 Q4  |  | 0.5   | 0.3                                | 0.7   | 0.5                                |
| 2016 Q1  |  | 1.6   | 1.4                                | 0.3   | 0.1                                |
| Q2   |  | 0.9   | 0.6                                | 0.2   | –                                  |
| Q3   |  | 0.9   | 0.7                                | 0.5   | 0.3                                |
| Q4   |  | 1.5   | 1.3                                | 0.7   | 0.6                                |
| 2017 Q1  |  | 1.2   | 1.1                                | 0.4   | 0.3                                |
| Q2   |  | 0.4   | 0.2                                | 0.3   | 0.1                                |
| Q3   |  | 1.1   | 0.9                                | 0.5   | 0.4                                |
| Q4   |  | 1.0   | 0.8                                | 0.4   | 0.3                                |
| 2018 Q1  |  | 0.7   | 0.5                                | 0.1   | –0.1                               |
| Q2   |  | 0.7   | 0.5                                | 0.4   | 0.2                                |
| Q3   |  | 1.1   | 1.0                                | 0.7   | 0.5                                |
| Q4   |  | 0.7   | 0.5                                | 0.2   | 0.1                                |
| 2019 Q1  |  | 1.0   | 0.8                                | 0.5   | 0.4                                |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |  |   |                                    |   |                                    |
|  |  | IHYO  | N3Y5                               | IHYR  | N3Y8                               |
| 2015 Q4  |  | 2.8   | 1.9                                | 2.2   | 1.4                                |
| 2016 Q1  |  | 3.9   | 3.0                                | 2.1   | 1.2                                |
| Q2   |  | 3.0   | 2.2                                | 1.7   | 0.8                                |
| Q3   |  | 3.8   | 3.0                                | 1.7   | 0.9                                |
| Q4   |  | 4.9   | 4.1                                | 1.7   | 1.0                                |
| 2017 Q1  |  | 4.5   | 3.8                                | 1.8   | 1.2                                |
| Q2   |  | 4.0   | 3.3                                | 1.9   | 1.3                                |
| Q3   |  | 4.2   | 3.5                                | 2.0   | 1.3                                |
| Q4   |  | 3.7   | 3.1                                | 1.6   | 1.0                                |
| 2018 Q1  |  | 3.1   | 2.5                                | 1.2   | 0.6                                |
| Q2   |  | 3.4   | 2.8                                | 1.4   | 0.8                                |
| Q3   |  | 3.5   | 2.9                                | 1.6   | 0.9                                |
| Q4   |  | 3.2   | 2.5                                | 1.4   | 0.7                                |
| 2019 Q1  |  | 3.5   | 2.9                                | 1.8   | 1.2                                |

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

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

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

# AA Annex A - Growth and contributions to growth - output components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2016

|  | Agri-<br>culture,<br>forestry,<br>and<br>fishing | Total<br>Production | Mining &<br>quarrying<br>inc oil<br>& gas<br>extract | Manu-<br>facturing | Electric,<br>gas,<br>steam &<br>air | Water<br>supply,<br>sewerage | Constr<br>uction | Total<br>Services | Distri-<br>bution,<br>hotels &<br>restaurants | Transport<br>storage<br>and<br>commu-<br>nications | Business<br>services<br>and<br>finance | Govern-<br>ment and<br>other<br>services |
|--|--|---------------------|--|--------------------|-------------------------------------|------------------------------|------------------|-------------------|---|--|--|--|
| <b>Percentage change, latest year on previous year</b>                             |  |                     |  |                    |                                     |                              |                  |                   |   |  |  |  |
| <b>Growth</b>  | L3BB   | L3BG                | L3BH   | L3BN               | L3DM                                | L3DQ                         | L3DW             | L3E2              | L3GP  | KI8L   | KI8N                                   | KI8P                                     |
| 2016   | -5.6   | 1.0                 | 0.3  | 0.4                | 2.1                                 | 5.6                          | 4.1              | 1.9               | 3.8   | 3.4  | 2.1                                    | -  |
| 2017   | 3.0  | 1.8                 | -0.6   | 2.5                | -1.6                                | 3.4                          | 7.1              | 2.1               | 2.2   | 4.9  | 2.2                                    | 0.6                                      |
| 2018   | -2.3   | 0.8                 | 4.3  | 0.9                | -0.6                                | -1.4                         | 0.3              | 1.7               | 2.8   | 3.8  | 1.6                                    | 0.3                                      |
| <b>Contributions to growth</b>   | ZZ3V   | ZZ3W                | ZZ3Y   | ZZ3X               | ZZ3Z                                | ZZ42                         | ZZ43             | ZZ44              | ZZ45  | ZZ46   | ZZ47                                   | ZZ48                                     |
| 2016   | -0.04  | 0.13                | -  | 0.04               | 0.04                                | 0.06                         | 0.25             | 1.54              | 0.51  | 0.37   | 0.68                                   | -0.01                                    |
| 2017   | 0.02   | 0.25                | -0.01  | 0.25               | -0.03                               | 0.03                         | 0.42             | 1.66              | 0.30  | 0.52   | 0.72                                   | 0.13                                     |
| 2018   | -0.02  | 0.11                | 0.05   | 0.09               | -0.01                               | -0.01                        | 0.02             | 1.39              | 0.38  | 0.41   | 0.52                                   | 0.07                                     |
| <b>Percentage change, latest quarter on previous quarter</b>                       |  |                     |  |                    |                                     |                              |                  |                   |   |  |  |  |
| <b>Growth</b>  | L3BB   | L3BG                | L3BH   | L3BN               | L3DM                                | L3DQ                         | L3DW             | L3E2              | L3GP  | KI8L   | KI8N                                   | KI8P                                     |
| 2016 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  | -2.1   | 0.1                 | 4.6  | -0.3               | 1.1                                 | -1.9                         | -1.5             | 0.3               | 0.3   | 0.2  | 0.5                                    | 0.1                                      |
| Q2   | -0.9   | -0.6                | 2.5  | -0.5               | -3.7                                | 0.6                          | 0.5              | 0.6               | 1.7   | 1.2  | 0.2                                    | 0.1                                      |
| Q3   | -0.1   | 0.6                 | 2.2  | 0.2                | 1.6                                 | 1.6                          | 1.8              | 0.6               | 1.0   | 1.8  | 0.3                                    | 0.3                                      |
| Q4   | 0.6  | -0.8                | -0.8   | -0.7               | -1.5                                | -0.9                         | -0.5             | 0.5               | 0.3   | 0.8  | 0.4                                    | 0.6                                      |
| 2019 Q1  | -1.8   | 1.4                 | 2.0  | 2.2                | -2.3                                | -1.7                         | 1.0              | 0.3               | 1.1   | 0.7  | -                                      | 0.2                                      |
| <b>Contributions to growth</b>   | ZZ2F   | ZZ2G                | ZZ2I   | ZZ2H               | ZZ2J                                | ZZ2K                         | ZZ2L             | ZZ2M              | ZZ2N  | ZZ2O   | ZZ2P                                   | ZZ2Q                                     |
| 2016 Q3  | -  | -0.06               | 0.06   | -0.05              | -0.07                               | -                            | 0.07             | 0.63              | 0.12  | 0.31   | 0.22                                   | -0.01                                    |
| Q4   | -  | 0.08                | -0.10  | 0.13               | 0.04                                | 0.01                         | 0.18             | 0.63              | 0.24  | 0.20   | 0.17                                   | 0.03                                     |
| 2017 Q1  | 0.01   | 0.04                | 0.03   | 0.05               | -0.07                               | 0.03                         | 0.20             | 0.40              | -0.03   | 0.05   | 0.27                                   | 0.11                                     |
| Q2   | -  | 0.03                | 0.02   | 0.01               | 0.02                                | -0.01                        | 0.01             | 0.28              | 0.03  | 0.12   | 0.06                                   | 0.06                                     |
| Q3   | -  | 0.14                | -  | 0.11               | 0.04                                | -0.01                        | 0.04             | 0.33              | 0.07  | 0.08   | 0.20                                   | -0.02                                    |
| Q4   | -  | 0.09                | -0.05  | 0.15               | -0.01                               | -                            | 0.02             | 0.27              | 0.03  | 0.15   | 0.15                                   | -0.06                                    |
| 2018 Q1  | -0.01  | 0.01                | 0.05   | -0.03              | 0.02                                | -0.02                        | -0.09            | 0.24              | 0.04  | 0.02   | 0.16                                   | 0.02                                     |
| Q2   | -0.01  | -0.08               | 0.03   | -0.05              | -0.06                               | 0.01                         | 0.03             | 0.47              | 0.24  | 0.13   | 0.07                                   | 0.03                                     |
| Q3   | -  | 0.09                | 0.03   | 0.02               | 0.03                                | 0.02                         | 0.11             | 0.51              | 0.14  | 0.19   | 0.10                                   | 0.07                                     |
| Q4   | -  | -0.12               | -0.01  | -0.07              | -0.02                               | -0.01                        | -0.03            | 0.38              | 0.05  | 0.09   | 0.12                                   | 0.13                                     |
| 2019 Q1  | -0.01  | 0.19                | 0.03   | 0.22               | -0.04                               | -0.02                        | 0.06             | 0.26              | 0.15  | 0.08   | -0.02                                  | 0.05                                     |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |  |                     |  |                    |                                     |                              |                  |                   |   |  |  |  |
| <b>Growth</b>  | L3ZZ   | L426                | L427   | L42D               | L44C                                | L44G                         | L44M             | L44Q              | L47F  | KII2   | KIH9                                   | KIH8                                     |
| 2016 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  | -1.0   | 2.0                 | 1.4  | 2.3                | 3.5                                 | -3.2                         | -0.3             | 1.4               | 1.4   | 3.4  | 1.7                                    | -  |
| Q2   | -2.5   | 1.1                 | 2.5  | 1.7                | -1.3                                | -1.8                         | -                | 1.6               | 2.9   | 3.4  | 1.7                                    | -0.1                                     |
| Q3   | -3.2   | 0.8                 | 4.6  | 0.9                | -1.9                                | 0.2                          | 1.2              | 1.9               | 3.4   | 4.5  | 1.4                                    | 0.3                                      |
| Q4   | -2.5   | -0.7                | 8.7  | -1.3               | -2.5                                | -0.7                         | 0.3              | 2.0               | 3.5   | 3.9  | 1.4                                    | 1.1                                      |
| 2019 Q1  | -2.2   | 0.6                 | 6.0  | 1.2                | -5.9                                | -0.4                         | 2.8              | 2.0               | 4.3   | 4.5  | 0.9                                    | 1.2                                      |
| <b>Contributions to growth</b>   | ZZ36   | ZZ37                | ZZ39   | ZZ38               | ZZ3A                                | ZZ3B                         | ZZ3C             | ZZ3D              | ZZ3E  | ZZ3F   | ZZ3G                                   | ZZ3H                                     |
| 2016 Q3  | -0.04  | 0.12                | 0.04   | 0.04               | -                                   | 0.05                         | 0.28             | 1.54              | 0.49  | 0.43   | 0.69                                   | -0.07                                    |
| Q4   | -0.03  | 0.28                | -0.03  | 0.19               | 0.08                                | 0.05                         | 0.37             | 1.67              | 0.58  | 0.57   | 0.64                                   | -0.11                                    |
| 2017 Q1  | 0.01   | 0.31                | 0.02   | 0.25               | -0.02                               | 0.07                         | 0.54             | 1.77              | 0.40  | 0.56   | 0.77                                   | 0.05                                     |
| Q2   | 0.02   | 0.10                | 0.01   | 0.14               | -0.08                               | 0.03                         | 0.45             | 1.96              | 0.37  | 0.67   | 0.73                                   | 0.19                                     |
| Q3   | 0.03   | 0.30                | -0.04  | 0.30               | 0.02                                | 0.02                         | 0.43             | 1.65              | 0.32  | 0.45   | 0.71                                   | 0.18                                     |
| Q4   | 0.02   | 0.30                | -0.01  | 0.32               | -0.03                               | 0.02                         | 0.27             | 1.28              | 0.11  | 0.40   | 0.68                                   | 0.09                                     |
| 2018 Q1  | -0.01  | 0.28                | 0.02   | 0.24               | 0.06                                | -0.03                        | -0.02            | 1.13              | 0.19  | 0.36   | 0.57                                   | 0.01                                     |
| Q2   | -0.02  | 0.16                | 0.03   | 0.17               | -0.02                               | -0.02                        | -                | 1.32              | 0.39  | 0.37   | 0.58                                   | -0.03                                    |
| Q3   | -0.02  | 0.11                | 0.06   | 0.09               | -0.03                               | -                            | 0.07             | 1.49              | 0.46  | 0.49   | 0.49                                   | 0.06                                     |
| Q4   | -0.02  | -0.10               | 0.10   | -0.13              | -0.04                               | -0.01                        | 0.02             | 1.61              | 0.47  | 0.43   | 0.46                                   | 0.24                                     |
| 2019 Q1  | -0.01  | 0.08                | 0.08   | 0.12               | -0.11                               | -                            | 0.17             | 1.64              | 0.59  | 0.49   | 0.29                                   | 0.27                                     |

1 Estimates are accurate to 1 decimal place

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

# AB Annex B - Growth and contributions to growth - expenditure components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2016

| Final consumption expenditure  |             |   |   |                            |                                     |                             |                  |                          |           |
|--|-------------|---|---|----------------------------|-------------------------------------|-----------------------------|------------------|--------------------------|-----------|
|  | House-holds | Non-prof-<br>it<br>instit-<br>utions <sup>3</sup> | General<br>govern-<br>ment <sup>4</sup> | Gross capital<br>formation | Gross fixed<br>capital<br>formation | Business<br>investme-<br>nt | Total<br>exports | less<br>Total<br>imports | Net trade |
| <b>Percentage change, latest year on previous year</b>                             |             |   |   |                            |                                     |                             |                  |                          |           |
| <b>Growth</b>  |             |   |   |                            |                                     |                             |                  |                          |           |
|  | KGZ5        | KH26  | KH2I                                    | ZZ6H                       | KG7N                                | KG7M                        | KH2U             | KH3N                     |           |
| 2016   | 3.2         | 0.8   | 0.8                                     | 1.6                        | 2.3                                 | -0.2                        | 1.0              | 3.3                      |           |
| 2017   | 2.2         | -0.3  | -0.2                                    | 0.3                        | 3.5                                 | 1.5                         | 5.6              | 3.5                      |           |
| 2018   | 1.8         | -1.3  | 0.4                                     | 2.7                        | 0.2                                 | -0.4                        | 0.1              | 0.7                      |           |
| <b>Contributions to growth</b>   |             |   |   |                            |                                     |                             |                  |                          |           |
|  | ZZ6M        | ZZ6N  | ZZ6O                                    | ZZ6P                       | ZZ6Q                                | ZZ6R                        | ZZ6S             | ZZ6T                     | ZZ6U      |
| 2016   | 2.01        | 0.02  | 0.14                                    | 0.27                       | 0.39                                | -0.02                       | 0.29             | 0.95                     | -0.66     |
| 2017   | 1.37        | -0.01   | -0.04                                   | 0.05                       | 0.58                                | 0.14                        | 1.59             | 1.05                     | 0.54      |
| 2018   | 1.12        | -0.04   | 0.07                                    | 0.46                       | 0.03                                | -0.04                       | 0.04             | 0.21                     | -0.17     |
| <b>Percentage change, latest quarter on previous quarter</b>                       |             |   |   |                            |                                     |                             |                  |                          |           |
| <b>Growth</b>  |             |   |   |                            |                                     |                             |                  |                          |           |
|  | KGZ6        | KH27  | KH2J                                    | ZZ5H                       | KG7Q                                | KG7P                        | KH2V             | KH3O                     |           |
| 2016 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  | 0.5         | -0.2  | 0.2                                     | -0.7                       | -0.8                                | -0.6                        | -1.3             | -0.6                     |           |
| Q2   | 0.5         | -0.6  | -0.4                                    | 3.3                        | -0.6                                | -0.4                        | -1.0             | 0.4                      |           |
| Q3   | 0.4         | -0.5  | -0.1                                    | 2.5                        | 0.9                                 | -0.6                        | 0.9              | 0.7                      |           |
| Q4   | 0.3         | -0.2  | 1.3                                     | -0.4                       | -0.6                                | -0.9                        | 1.6              | 2.1                      |           |
| 2019 Q1  | 0.7         | -0.5  | 1.4                                     | 11.1                       | 2.1                                 | 0.5                         | -                | 6.8                      |           |
| <b>Contributions to growth</b>   |             |   |   |                            |                                     |                             |                  |                          |           |
|  | ZZ5M        | ZZ5N  | ZZ5O                                    | ZZ5P                       | ZZ5Q                                | ZZ5R                        | ZZ5S             | ZZ5T                     | ZZ5U      |
| 2016 Q3  | 0.75        | -   | -                                       | 1.50                       | 0.25                                | 0.15                        | -0.87            | 0.89                     | -1.76     |
| Q4   | -           | 0.01  | 0.01                                    | -0.95                      | -0.10                               | -0.10                       | 1.75             | 0.05                     | 1.70      |
| 2017 Q1  | 0.46        | -0.01   | -0.12                                   | 0.25                       | 0.17                                | -0.02                       | 0.05             | 0.26                     | -0.21     |
| Q2   | 0.24        | -   | 0.09                                    | -0.11                      | 0.32                                | 0.12                        | 0.36             | 0.27                     | 0.09      |
| Q3   | 0.32        | -0.02   | 0.02                                    | -0.10                      | 0.05                                | 0.08                        | 0.56             | 0.17                     | 0.39      |
| Q4   | 0.22        | -   | 0.01                                    | 0.05                       | 0.11                                | 0.04                        | 0.03             | -0.17                    | 0.20      |
| 2018 Q1  | 0.31        | -0.01   | 0.03                                    | -0.12                      | -0.13                               | -0.06                       | -0.40            | -0.18                    | -0.21     |
| Q2   | 0.35        | -0.02   | -0.07                                   | 0.56                       | -0.09                               | -0.04                       | -0.29            | 0.12                     | -0.41     |
| Q3   | 0.24        | -0.01   | -0.01                                   | 0.44                       | 0.15                                | -0.06                       | 0.25             | 0.22                     | 0.03      |
| Q4   | 0.19        | -   | 0.23                                    | -0.07                      | -0.11                               | -0.08                       | 0.48             | 0.64                     | -0.17     |
| 2019 Q1  | 0.42        | -0.01   | 0.25                                    | 1.94                       | 0.35                                | 0.05                        | 0.01             | 2.17                     | -2.16     |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |             |   |   |                            |                                     |                             |                  |                          |           |
| <b>Growth</b>  |             |   |   |                            |                                     |                             |                  |                          |           |
|  | KGZ7        | KH28  | KH2K                                    | ZZ5Y                       | KG7T                                | KG7S                        | KH2W             | KH3P                     |           |
| 2016 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  | 1.7         | -1.0  | 0.8                                     | -1.7                       | 2.1                                 | 1.9                         | 1.9              | 0.3                      |           |
| Q2   | 1.9         | -1.5  | -0.1                                    | 2.2                        | -0.4                                | 0.2                         | -0.3             | -0.2                     |           |
| Q3   | 1.8         | -1.4  | -0.3                                    | 5.4                        | 0.2                                 | -1.3                        | -1.3             | -0.1                     |           |
| Q4   | 1.7         | -1.4  | 1.0                                     | 4.7                        | -1.1                                | -2.5                        | 0.2              | 2.6                      |           |
| 2019 Q1  | 1.9         | -1.8  | 2.2                                     | 17.2                       | 1.7                                 | -1.4                        | 1.5              | 10.2                     |           |
| <b>Contributions to growth</b>   |             |   |   |                            |                                     |                             |                  |                          |           |
|  | ZZ65        | ZZ66  | ZZ67                                    | ZZ68                       | ZZ69                                | ZZ6A                        | ZZ6B             | ZZ6C                     | ZZ6D      |
| 2016 Q3  | 2.00        | 0.04  | 0.03                                    | 1.70                       | 0.81                                | 0.28                        | -0.32            | 1.73                     | -2.06     |
| Q4   | 1.95        | 0.04  | 0.07                                    | -0.21                      | 0.41                                | -0.03                       | 0.90             | 1.01                     | -0.11     |
| 2017 Q1  | 1.73        | 0.02  | -0.13                                   | 0.37                       | 0.58                                | 0.11                        | 1.23             | 1.41                     | -0.18     |
| Q2   | 1.47        | -   | -0.02                                   | 0.68                       | 0.65                                | 0.15                        | 1.33             | 1.50                     | -0.17     |
| Q3   | 1.04        | -0.02   | -                                       | -0.92                      | 0.45                                | 0.09                        | 2.79             | 0.76                     | 2.03      |
| Q4   | 1.25        | -0.04   | -                                       | 0.08                       | 0.65                                | 0.22                        | 1.00             | 0.53                     | 0.47      |
| 2018 Q1  | 1.10        | -0.03   | 0.15                                    | -0.29                      | 0.35                                | 0.18                        | 0.58             | 0.09                     | 0.48      |
| Q2   | 1.20        | -0.04   | -0.02                                   | 0.39                       | -0.07                               | 0.02                        | -0.08            | -0.07                    | -0.02     |
| Q3   | 1.12        | -0.04   | -0.05                                   | 0.93                       | 0.03                                | -0.12                       | -0.40            | -0.02                    | -0.38     |
| Q4   | 1.09        | -0.04   | 0.18                                    | 0.80                       | -0.19                               | -0.24                       | 0.05             | 0.81                     | -0.76     |
| 2019 Q1  | 1.21        | -0.05   | 0.41                                    | 2.88                       | 0.30                                | -0.13                       | 0.46             | 3.20                     | -2.74     |

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 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 in table C2

# AC Annex C - Growth and contributions to growth - income components of GDP<sup>1,2</sup>

## Current Prices

Seasonally adjusted data

|  | Compensation of employees | Gross operating surplus of corporations <sup>3</sup> | Other income <sup>4</sup> | Taxes on products & production less subsidies |
|--|---------------------------|--|---------------------------|---|
| <b>Percentage change, latest year on previous year</b>                             |                           |  |                           |   |
| <b>Growth</b>  |                           |  |                           |   |
|  | KG13                      | KH4V   | KH6T                      | KH65  |
| 2016   | 3.8                       | 4.5  | 3.4                       | 4.0   |
| 2017   | 4.2                       | 3.7  | 1.3                       | 5.0   |
| 2018   | 4.2                       | 0.1  | 4.4                       | 2.8   |
| <b>Contributions to growth</b>   |                           |  |                           |   |
|  | ZZ7H                      | ZZ7I   | ZZ7J                      | ZZ7K  |
| 2016   | 1.85                      | 0.98   | 0.58                      | 0.49  |
| 2017   | 2.07                      | 0.82   | 0.23                      | 0.62  |
| 2018   | 2.06                      | 0.03   | 0.73                      | 0.35  |
| <b>Percentage change, latest quarter on previous quarter</b>                       |                           |  |                           |   |
| <b>Growth</b>  |                           |  |                           |   |
|  | KG14                      | KH4W   | KH6U                      | KH66  |
| 2016 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                       | 0.1  | 1.6                       | -1.1  |
| Q2   | 0.9                       | -2.5   | 1.5                       | 4.1   |
| Q3   | 1.6                       | 1.2  | 1.4                       | -0.9  |
| Q4   | 0.8                       | 0.4  | 1.4                       | -0.3  |
| 2019 Q1  | 0.9                       | 2.5  | 1.1                       | -1.7  |
| <b>Contributions to growth</b>   |                           |  |                           |   |
|  | ZZ6Z                      | ZZ72   | ZZ73                      | ZZ74  |
| 2016 Q3  | 0.99                      | -0.09  | -0.02                     | 0.02  |
| Q4   | -0.09                     | 1.35   | -0.04                     | 0.27  |
| 2017 Q1  | 0.41                      | 0.50   | 0.12                      | -0.04   |
| Q2   | 0.81                      | -0.97  | 0.05                      | 0.39  |
| Q3   | 0.36                      | 0.33   | 0.03                      | 0.29  |
| Q4   | 0.49                      | 0.44   | 0.10                      | -0.07   |
| 2018 Q1  | 0.51                      | 0.02   | 0.27                      | -0.14   |
| Q2   | 0.48                      | -0.57  | 0.26                      | 0.52  |
| Q3   | 0.76                      | 0.24   | 0.22                      | -0.11   |
| Q4   | 0.42                      | 0.09   | 0.24                      | -0.04   |
| 2019 Q1  | 0.45                      | 0.54   | 0.19                      | -0.22   |
| <b>Percentage change, latest quarter on corresponding quarter of previous year</b> |                           |  |                           |   |
| <b>Growth</b>  |                           |  |                           |   |
|  | KG15                      | KH4X   | KH6V                      | KH67  |
| 2016 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                       | -0.4   | 2.7                       | 3.5   |
| Q2   | 3.7                       | 1.1  | 3.9                       | 4.7   |
| Q3   | 4.6                       | 0.8  | 5.1                       | 1.5   |
| Q4   | 4.4                       | -0.9   | 6.0                       | 1.8   |
| 2019 Q1  | 4.3                       | 1.5  | 5.5                       | 1.1   |
| <b>Contributions to growth</b>   |                           |  |                           |   |
|  | ZZ79                      | ZZ7A   | ZZ7B                      | ZZ7C  |
| 2016 Q3  | 2.27                      | 0.83   | 0.40                      | 0.29  |
| Q4   | 1.99                      | 2.08   | 0.26                      | 0.57  |
| 2017 Q1  | 2.77                      | 0.76   | 0.33                      | 0.42  |
| Q2   | 2.06                      | 0.86   | 0.11                      | 0.62  |
| Q3   | 1.45                      | 1.26   | 0.16                      | 0.89  |
| Q4   | 2.02                      | 0.39   | 0.30                      | 0.53  |
| 2018 Q1  | 2.05                      | -0.09  | 0.44                      | 0.42  |
| Q2   | 1.78                      | 0.22   | 0.64                      | 0.57  |
| Q3   | 2.23                      | 0.17   | 0.84                      | 0.18  |
| Q4   | 2.16                      | -0.19  | 0.99                      | 0.22  |
| 2019 Q1  | 2.11                      | 0.34   | 0.91                      | 0.13  |

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<sup>1</sup>

Seasonally adjusted data

Reference year 2016

|   | Final consumption expenditure |   |                            |                               |                                  |                  |                          |
|---|-------------------------------|---|----------------------------|-------------------------------|----------------------------------|------------------|--------------------------|
|   | House-<br>holds               | Non-prof-<br>it<br>instit-<br>utions <sup>2</sup> | General<br>govern-<br>ment | Gross<br>capital<br>formation | Gross fixed capital<br>formation | Total<br>exports | less<br>Total<br>imports |
| Percentage change, latest year on previous year                             |                               |   |                            |                               |                                  |                  |                          |
|   | ZZ93                          | ZZ94  | ZZ95                       | ZZ96                          | ZZ97                             | ZZ98             | ZZ99                     |
| 2016  | 1.5                           | 0.5   | 1.2                        | 2.5                           | 1.4                              | 6.1              | 4.1                      |
| 2017  | 2.1                           | 1.4   | 2.2                        | 3.6                           | 2.4                              | 5.0              | 5.4                      |
| 2018  | 2.3                           | 1.8   | 2.5                        | 0.7                           | 2.1                              | 2.6              | 3.0                      |
| Percentage change, latest quarter on previous quarter                       |                               |   |                            |                               |                                  |                  |                          |
|   | ZZ8N                          | ZZ8O  | ZZ8P                       | ZZ8Q                          | ZZ8R                             | ZZ8S             | ZZ8T                     |
| 2016 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                        | -1.3                          | 0.6                              | 0.4              | -0.1                     |
| Q2  | 0.4                           | 0.6   | 0.8                        | -0.7                          | 0.4                              | 1.8              | 1.8                      |
| Q3  | 0.5                           | 0.5   | 0.9                        | 1.5                           | 0.2                              | 1.0              | 1.9                      |
| Q4  | 0.6                           | 0.4   | -0.2                       | 0.2                           | 0.5                              | 0.3              | -                        |
| 2019 Q1   | 0.5                           | 0.7   | 0.7                        | -2.0                          | 0.6                              | -0.9             | -2.3                     |
| Percentage change, latest quarter on corresponding quarter of previous year |                               |   |                            |                               |                                  |                  |                          |
|   | ZZ8U                          | ZZ8V  | ZZ8W                       | ZZ8X                          | ZZ8Y                             | ZZ8Z             | ZZ92                     |
| 2016 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                           | 1.5   | 1.9                        | 2.5                           | 2.5                              | 0.6              | 1.2                      |
| Q2  | 2.2                           | 1.8   | 2.9                        | 0.9                           | 2.3                              | 2.6              | 2.8                      |
| Q3  | 2.6                           | 1.8   | 3.3                        | -0.2                          | 2.0                              | 3.5              | 4.3                      |
| Q4  | 2.4                           | 2.0   | 2.0                        | -0.3                          | 1.7                              | 3.5              | 3.6                      |
| 2019 Q1   | 2.0                           | 2.3   | 2.1                        | -1.0                          | 1.7                              | 2.2              | 1.4                      |

1 Estimates 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