

Statistical bulletin

GDP first quarterly estimate, UK: April to June 2018

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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1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.4% between Quarter 1 (Jan to Mar) 2018 and Quarter 2 (Apr to June) 2018.
- The services industries and construction increased in Quarter 2 2018, by 0.5% and 0.9% respectively; while production decreased by 0.8%.
- Household spending grew by 0.3% and business investment increased by 0.5% between Quarter 1 and Quarter 2 2018.
- The trade deficit widened by £4.7 billion in Quarter 2 2018 (in current price terms), with net trade dragging on GDP growth as a result.
- Growth in compensation of employees slowed in Quarter 2 2018 to 0.6%, but continued to contribute positively to GDP growth.

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.

Today's provisional estimate of quarterly GDP is the first under the [new publication model](#), which has been in effect from July 2018. By pushing back the publication of the first estimate of quarterly GDP by two weeks, it is expected that this will lead to improvements in the accuracy and reliability of this initial estimate. It has also allowed for a timelier publication of the expenditure and income measures of GDP. Newly-published estimates of the [monthly path of GDP](#) are also available.

Revisions

In line with the [National Accounts Revisions Policy](#) the period open for revision in this release is Quarter 2 (Apr to June) 2018 only.

3 . GDP grew by 0.4% in Quarter 2 2018

UK gross domestic product (GDP) is estimated to have increased by 0.4% in Quarter 2 (Apr to June) 2018, up from 0.2% in the previous quarter (Figure 1). This pick-up in growth following a weak Quarter 1 (Jan to Mar) was in line with market expectations.

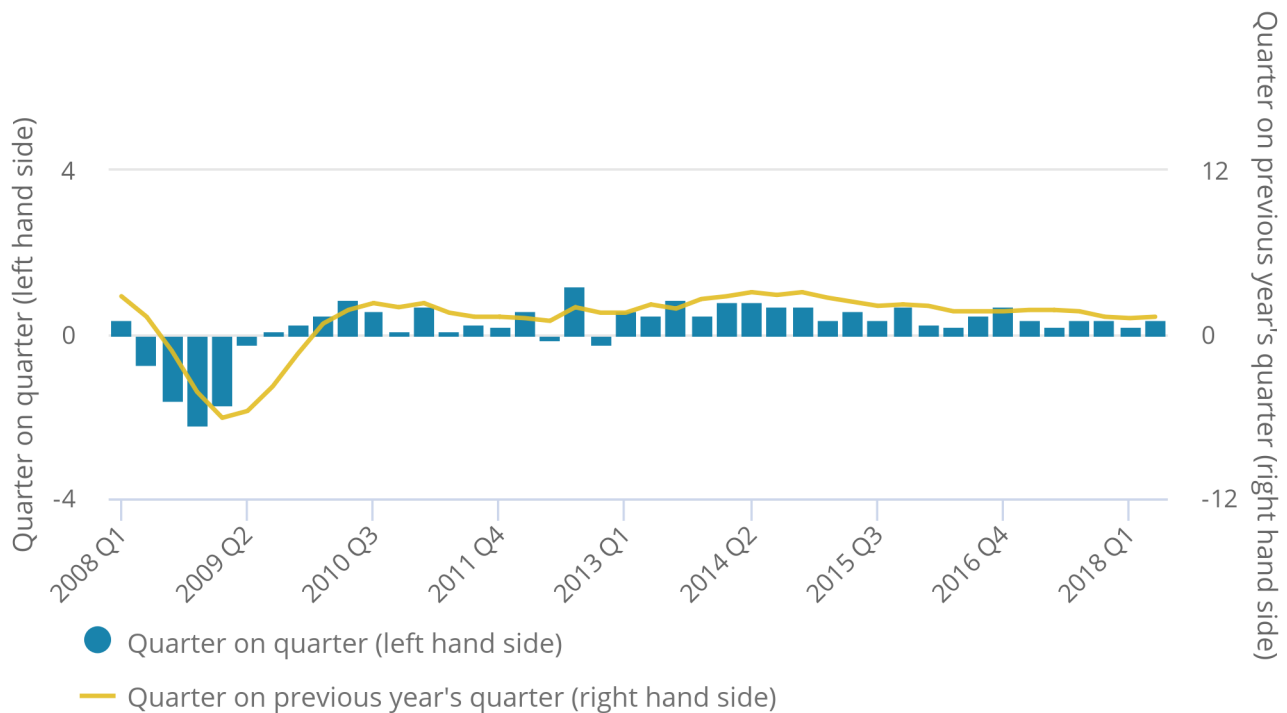
GDP rose by 1.3% in Quarter 2 2018 compared with the same quarter a year ago.

Figure 1: Real GDP growth recovers to 0.4% in Quarter 2 (Apr to June) 2018

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

Figure 1: Real GDP growth recovers to 0.4% in Quarter 2 (Apr to June) 2018

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



Source: Office for National Statistics

Notes:

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

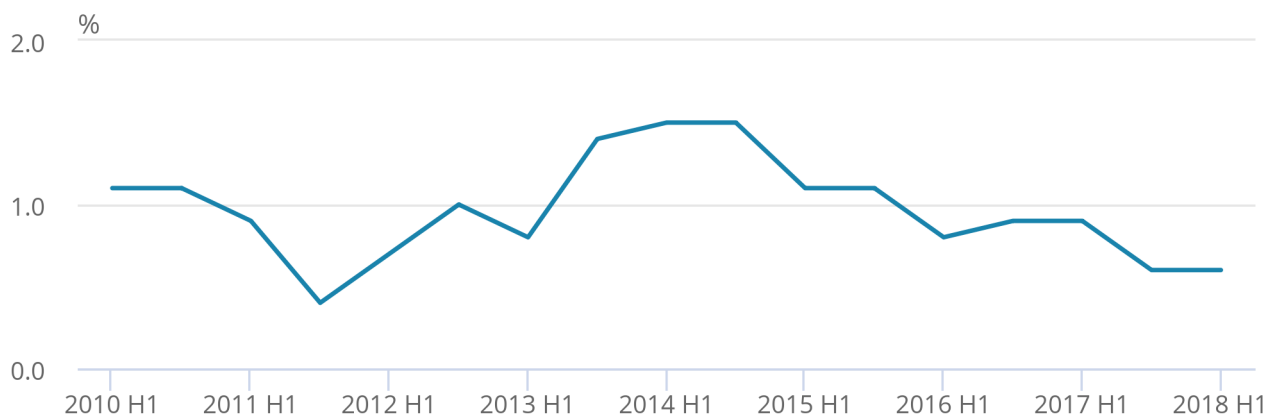
As previously reported, the [adverse weather conditions in Quarter 1](#) had an effect on some areas of the economy, although its overall effect appears so far to have been limited. Today's figures show that there has been some unwinding of the impacts in affected industries. The pick-up in Quarter 2 reflects, to some extent, consumers taking advantage of the warm weather and World Cup celebrations. However, Figure 2 shows that abstracting from these quarterly movements, the underlying trend in real GDP is one of slowing growth. The UK economy grew by 0.6% in the first half of 2018, compared with the second half of 2017 – continuing the declining trend seen since the second half of 2014.

Figure 2: The underlying trend in real GDP is one of slowing growth

UK, Jan to June 2010 to Jan to June 2018

Figure 2: The underlying trend in real GDP is one of slowing growth

UK, Jan to June 2010 to Jan to June 2018



Source: Office for National Statistics

Notes:

1. H1 refers to Half 1 (Jan to June) and H2 refers to Half 2 (July to Dec).

The implied GDP deflator represents the broadest measure of inflation in the domestic economy, as it reflects changes in the price of all goods and services that comprise GDP, including the price movements in private and government consumption, investment and the relative price of exports and imports. In the year to Quarter 2 2018, the GDP deflator increased by 1.7%, slightly stronger than the 1.6% seen in the year to Quarter 1. This increase reflected strengthening price growth in all expenditure components except household consumption.

The slowing of the household consumption deflator from 2.1% in the year to Quarter 1 2018 to 1.9% in the latest quarter largely reflects a fall-back in growth in line with more typical quarterly movements. This follows strong rises in both Quarter 4 (Oct to Dec) 2017 and Quarter 1 2018, in implied prices in the miscellaneous goods and services category, largely linked to financial services, which can be volatile.

4 . Services and construction strengthen in Quarter 2 2018, while manufacturing drags on growth

The output measure of gross domestic product (GDP) grew by 0.4% in Quarter 2 (Apr to June) 2018, driven by stronger growth in both the services and construction industries (Figure 3). These rises were offset by a fall in production, driven by manufacturing and energy supply, while growth in both mining and quarrying, and waste management continued.

While its overall effect was limited, the adverse weather in Quarter 1 (Jan to Mar) had some impact on the economy, particularly in construction, energy supply and some areas of retail. Figure 3 shows how some of these effects have unwound in Quarter 2 – although it is hard to distinguish the effect of a bounce back from the boost given by the better than usual weather in Quarter 2.

In the [construction industry](#), the latest figures show that output recovered to rise by 0.9% in Quarter 2 2018 – contributing 0.1 percentage points towards GDP growth. However, growth remains below the quarterly average for 2017 (1.1%). Driving the growth in Quarter 2 was non-housing repair and maintenance (up 3.9%) and new work public housing (up 10.4%) – contributing 0.6 and 0.4 percentage points respectively towards total construction output. Partly offsetting this, new private housing fell by 2.4%, marking the weakest quarterly growth since Quarter 2 2012. This soft outturn follows a period of strong growth in private housebuilding, with the sector making the largest positive contribution to construction growth in 2017.

While there was some anecdotal evidence from a small number of businesses suggesting that the favourable weather in June had helped boost construction activity, overall it is difficult to determine if this is a result of the warm weather or a bounce back effect following a weak Quarter 1 2018. Some external surveys, such as the [Construction Purchasing Managers' Index](#) (PMI) noted the resumption of housebuilding activity in April 2018 following a weather-affected March. The survey also noted weather-related improvements for commercial building and civil engineering activity. However, the strength in construction output in Quarter 2 did not solely reflect a bounce back from Quarter 1 due to poor weather. The weakness in Quarter 1 2018 was also due to [a sharp fall in output in January 2018](#), as previously published. Therefore, the overall impact of the weather on construction output can be difficult to quantify.

Today's new [Index of Production](#) figures show that output in the production sector fell by 0.8% in Quarter 2 2018 – the weakest quarterly growth since Quarter 4 (Oct to Dec) 2012. This was driven by a 0.9% fall in manufacturing and a 2.7% fall in energy supply, while mining and quarrying, and waste management production both rose by 0.7% and 1.9% respectively. Following the cold weather boost to energy supply in Quarter 1 2018 – which offset some of the effects of depressed activity in other areas of the economy – energy supply fell by 2.7% in Quarter 2. This was due to warmer weather conditions, which led to a fall in electricity and gas production in April and May. Energy supply remains 1.4% below the level recorded in Quarter 4 2017, prior to the unusual weather conditions.

The quarterly growth in mining and quarrying follows a particularly strong Quarter 1 after the Forties Pipeline shutdown in December 2017. Driving the Quarter 2 growth was an 9.1% rise in crude petroleum and natural gas production in April due to fields coming out of maintenance. However, further maintenance in May and June subdued the quarterly growth.

The quarterly decline in manufacturing primarily reflected a weak April outturn, with output falling by 1.2% in the month, before recovering to rise by 0.6% in May and 0.4% in June. The quarterly fall was driven by declines in the manufacture of basic metals and metal products (negative 4.6%), other machinery and equipment (negative 4.5%), and transport equipment (negative 1.6%). This marks the second consecutive quarterly decline in manufacturing output, which has not been seen since Quarter 1 2016.

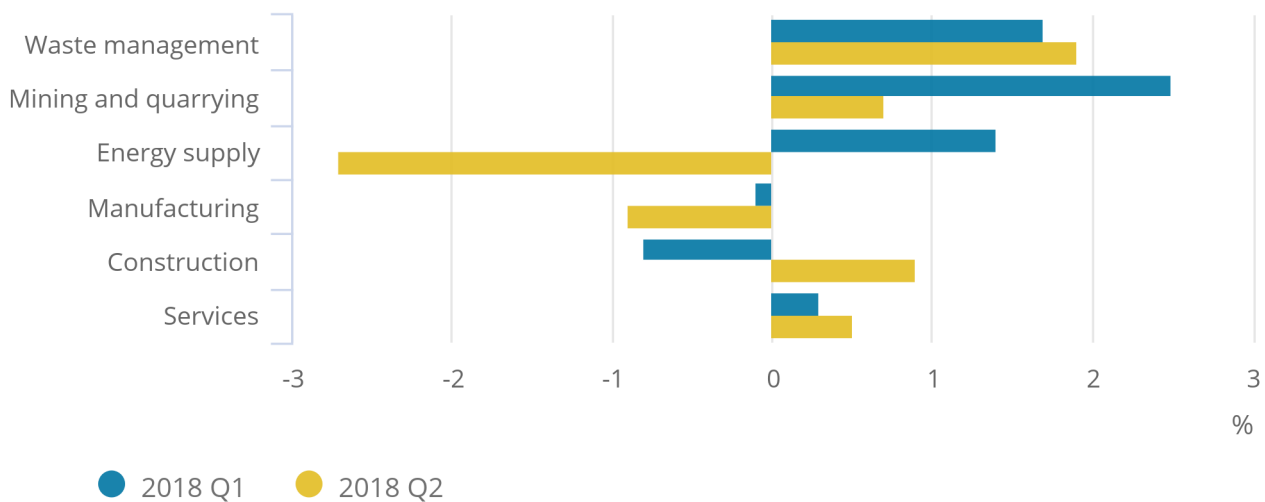
Consistent with the latest [trade figures](#), the weakness in manufacturing in Quarter 2 largely reflects an easing in manufacturing export growth. This is consistent with external evidence, with the British Chambers of Commerce's (BCC) Quarterly Economic Survey noting that [domestic manufacturing sales improved in Quarter 2 while manufacturing exports slowed](#). [Survey evidence from the Bank of England](#) also suggests that the slowdown in manufacturing exports reflects an easing in global demand for products such as UK-produced vehicles and materials for processing destined for China.

Figure 3: Services and construction growth picked up in Quarter 2 (Apr to June) 2018, while manufacturing was weak

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

Figure 3: Services and construction growth picked up in Quarter 2 (Apr to June) 2018, while manufacturing was weak

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



Source: Office for National Statistics

Notes:

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

Growth in [services output](#) increased to 0.5% in Quarter 2 2018, contributing 0.4 percentage points to growth in GDP. This marked the strongest quarterly growth in services since Quarter 4 2016 – services growth has been relatively subdued since the start of 2017, with an average quarterly growth rate of 0.3%. This slowdown in 2017 was driven by a decline in output from consumer-focused industries. This strength in Quarter 2 2018 reflects a pick-up in a number of services industries, particularly wholesale and retail trade (Figure 4), which had been identified as being affected by the adverse weather earlier in the year.

Retail trade fell by 0.3% in Quarter 1 2018, driven by a sharp decline in petrol sales with the adverse weather conditions keeping shoppers indoors. This was partly offset by a boost to online retail spending, with department stores seeing particularly strong growth in their internet sales. Following this weakness in Quarter 1, the retail industry bounced back in Quarter 2, with output rising by 2.1% – the highest quarterly growth rate since Quarter 1 2004, which also saw growth of 2.1%.

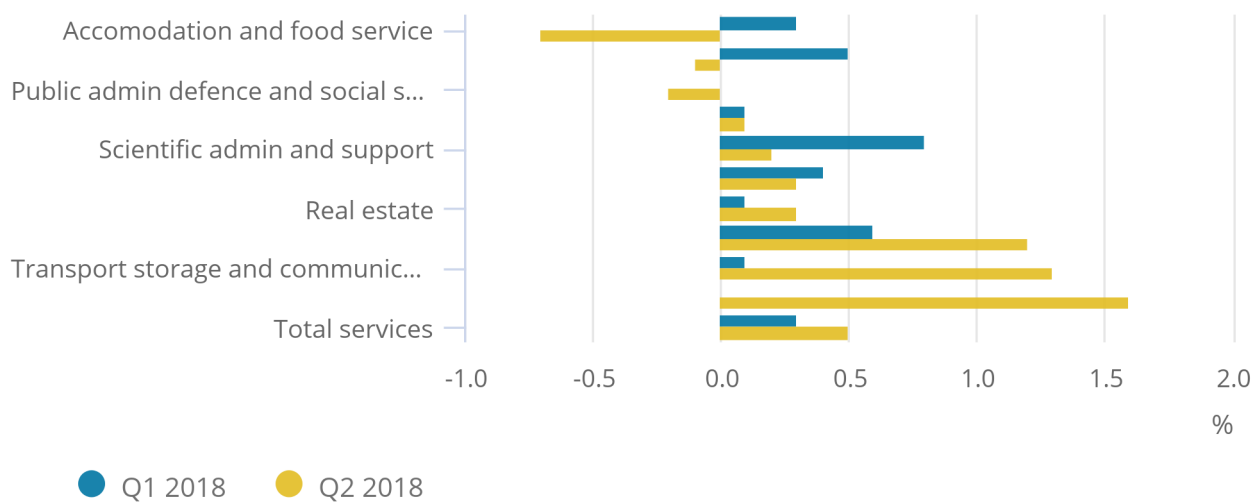
The June [retail sales figures](#) showed that this strength was driven by buoyant food and drink sales, with consumers taking advantage of the warm weather and World Cup celebrations. However, the month of June saw a fall in overall retail sales volumes, reflecting a decline in non-food sales due to these same factors. This narrative is corroborated by external survey evidence, with the [British Retail Consortium's \(BRC\) Retail Sales Monitor for May and June](#) linking the warm weather, World Cup festivities, two Bank Holidays and a Royal Wedding to increased demand for items such as beer, barbecues, summer clothing and garden furniture, but that sales of many other items fell in the month of June.

Figure 4: The pickup in services growth in Quarter 2 (Apr to June) 2018 was driven primarily by stronger growth in wholesale and retail trade, and transport, storage and communications

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

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



Source: Office for National Statistics

Notes:

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

Meanwhile, transport, storage and communications rose by 1.3% in Quarter 2 2018, following modest growth of 0.1% in Quarter 1. There was no notable effect due to the weather in this sector with the pick-up due to particular strength in computer programming, motion pictures, and warehousing and support activities for transportation. Growth in business services and finance – which had been the largest positive contributor to services growth for the previous three quarters – slowed in Quarter 2. This was driven partly by a fall in architectural and engineering activities, which saw its growth fall to negative 0.4% in Quarter 2 from 3.8% in Quarter 1 – when it was the largest contributor to total services output.

5 . Growth in household consumption remains subdued in Quarter 2, while business investment sees a modest rise

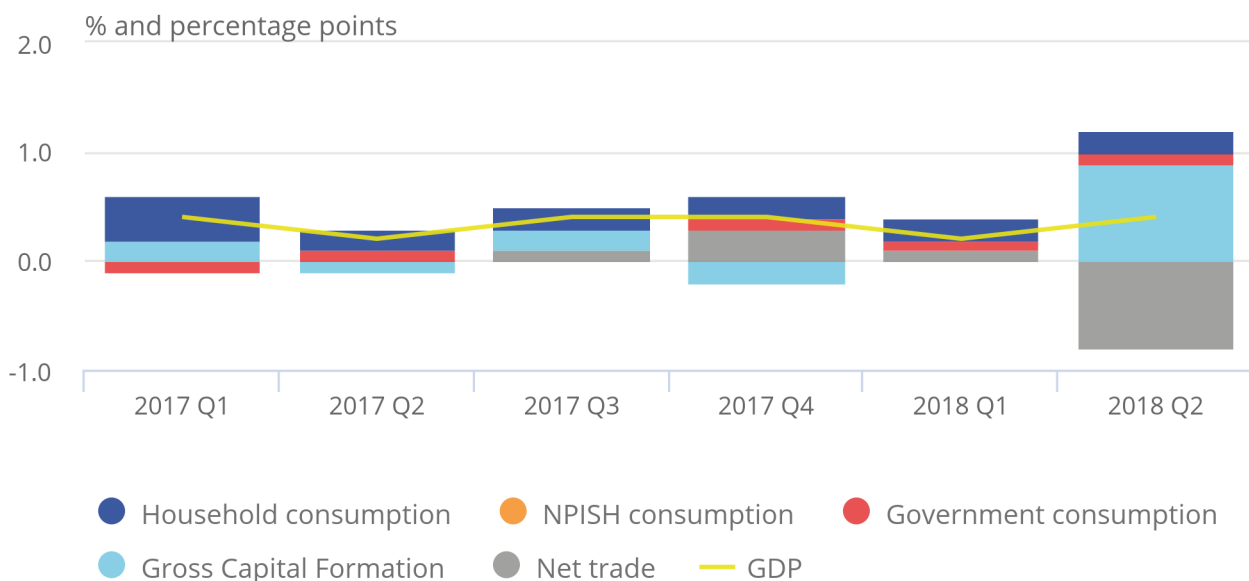
The expenditure measure of gross domestic product (GDP) increased by 0.4% in Quarter 2 (Apr to June) 2018. Household consumption, government consumption and gross capital formation all contributed positively to growth, while net trade subtracted from growth (Figure 5).

Figure 5: Gross capital formation drives growth in the expenditure measure of GDP whilst net trade contributes negatively

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

Figure 5: Gross capital formation drives growth in the expenditure measure of GDP whilst net trade contributes negatively

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



Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), and Q4 refers to Quarter 4 (Oct to Dec).
2. NPISH are Non-profit institutions serving households.

Growth in household consumption strengthened slightly in Quarter 2 2018, although it remained relatively subdued at 0.3%. Quarter-on-year-ago growth in household consumption – which has been declining since mid-2016 – fell to 1.1% in Quarter 2, the weakest since Quarter 1 (Jan to Mar) 2012.

Gross fixed capital formation (GFCF) is estimated to have increased by 0.8% in Quarter 2 2018, driven by rises in business investment (0.5%) and private dwelling investment (1.1%). While private dwelling investment rose in Quarter 2, growth slowed compared with Quarter 1 (1.5%). This is broadly in line with construction figures for new private housing, and private housing repair and maintenance, which together fell by 1.0% in Quarter 2.

The modest rise in business investment followed a weak Quarter 1, in which business investment fell by its sharpest rate since Quarter 4 (Oct to Dec) 2016. This rise in the latest quarter saw business investment return to virtually the same level seen in Quarter 4 2017. Growth in business investment has been subdued in recent periods, consistent with external surveys, which have suggested that investment intentions have been dampened by Brexit-related economic and political uncertainties. According to the latest [Bank of England Agents' summary survey \(PDF, 99KB\)](#), Brexit uncertainty continued to weigh down on investment in Quarter 2, particularly for “some medium- to larger-sized businesses” and those “with a greater international focus”.

While GFCF contributed 0.1 percentage points to GDP growth in Quarter 2 2018, gross capital formation (GCF) – which includes changes in inventories and acquisitions less disposals of valuables – contributed 0.9 percentage points. This notable difference is due mainly to a sharp rise in non-monetary gold (NMG) in the quarter, particularly in April and May. NMG is recorded within the national accounts as a change to valuables, within GCF. However, movements in NMG do not affect headline GDP as an equivalent impact is recorded in trade in goods and services.

Users should be aware that a number of adjustments have been applied to the change in inventories component in Quarter 2 2018 to help balance the different measurement approaches to GDP. The estimates should be considered accordingly. Please see the [Quality and methodology section](#) for further information about the balancing adjustments applied to this dataset.

As such, these movements are also reflected in the latest [trade figures](#) for Quarter 2 2018, which showed that the trade deficit (in current price terms) widened by £4.7 billion to 0.9% of GDP, compared with 0.7% in the previous quarter. This reflected a 2.0% fall in the value of exports and a 1.0% rise in the value of imports. While the widening of the deficit in Quarter 2 partly reflected trade in erratic commodities, such as non-monetary gold and aircraft, Figure 6 shows that the trade balance excluding erratics also saw a notable widening in the latest quarter. Movements in the trade balance in Quarter 2 were driven largely by a 12.5% fall in the value of car exports, the sharpest quarterly decline since Quarter 1 2009. This weakness in car exports is also consistent with the easing in manufacturing exports growth seen in Quarter 2.

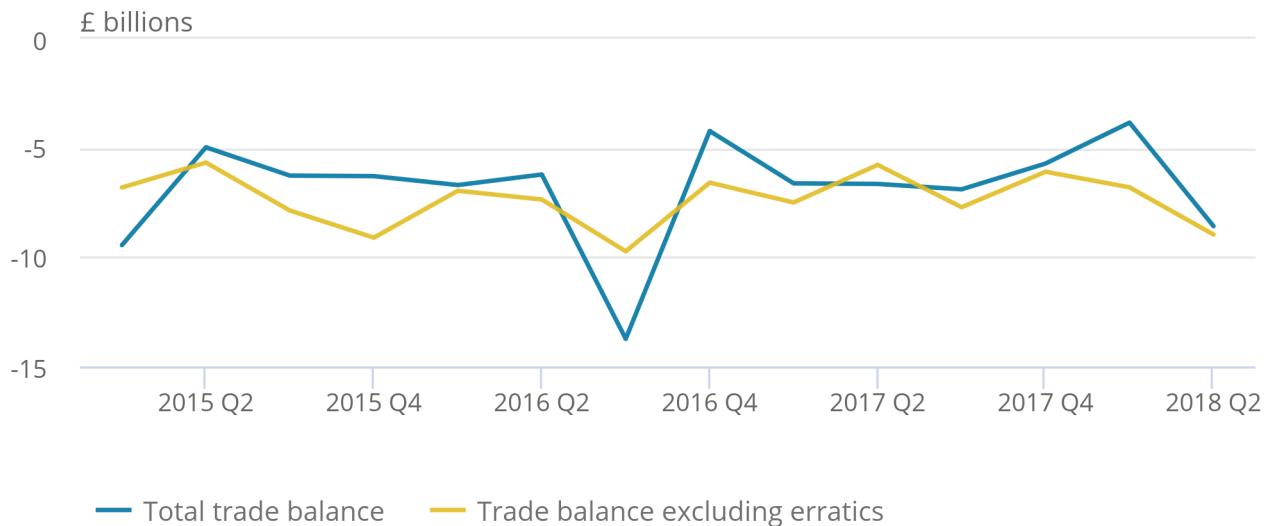
Removing price effects, the volume of exports saw a sharper fall of 3.6% in Quarter 2, while imports fell by 0.8%. As a result, net trade subtracted from quarterly GDP growth for the first time since Quarter 4 2016 (subtracting 0.8 percentage points).

Figure 6: The UK trade deficit widened notably in Quarter 2 (Apr to June) 2018, driven by a sharp fall in car exports

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

Figure 6: The UK trade deficit widened notably in Quarter 2 (Apr to June) 2018, driven by a sharp fall in car exports

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



Source: Office for National Statistics

Notes:

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

6 . Growth in compensation of employees slows in Quarter 2, while profits fall

Nominal gross domestic product (GDP) grew by 0.7% in Quarter 2 (Apr to June) 2018, following growth of 0.8% in the previous quarter. This reflected slowing growth in both compensation of employees (CoE) and other income, and a fall in gross operating surplus.

CoE growth slowed to 0.6% in Quarter 2, which was the weakest growth since Quarter 4 (Oct to Dec) 2016. This slowdown reflected weaker growth in wages and salaries, offset by stronger growth in employers' social contributions. The softer growth in wages and salaries is consistent with relative weakness seen in published [Labour Force Survey employment data](#) for the rolling three months ending May 2018, showing flat growth compared with positive growth recorded in the same period a year earlier.

Meanwhile, taxes less subsidies rose by 4.4% in Quarter 2. This was the strongest quarterly rise since Quarter 1 (Jan to Mar) 2011, and partly reflected a bounce back from a weak Quarter 1, which saw a 2.3% fall in taxes less subsidies.

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 June 2018 and will be next updated on 28 September 2018 when the Quarter 2 (Apr to June) 2018 Quarterly national accounts release and UKEA will become consistent.

Blue Book 2018

The quarterly national accounts published on 29 June 2018 was consistent with the [UK National Accounts, The Blue Book 2018](#), published on 31 July 2018.

Monthly GDP

Estimates of rolling three-month GDP and monthly GDP for June are available in the [GDP monthly estimate, UK: June](#) release.

Business investment

Further details on GFCF and business investment along with [data for GFCF by sector and asset](#), [revision triangles](#) and a [real time database](#) were published on 10 August 2018. Changes for this release reflect the new publication model for business investment announced in [the notice accompanying the Business investment in the UK: January to March 2018 revised results](#).

Index of Services

The [Index of Services publication](#) was published on 10 August 2018 and includes data for June 2018.

Index of Production

The [Index of Production release](#) was published on 10 August 2018 and includes data for June 2018.

Construction output in Great Britain

The [Construction output in Great Britain publication](#) was published on 10 August 2018 and includes data for June 2018.

UK trade

The [UK trade release](#) was published on 10 August 2018 and includes data for June 2018.

8 . Are there any upcoming changes?

International Passenger Survey

The International Passenger Survey (IPS) is in the process of transferring data collection from paper forms to tablet computers. Initial analysis of the new data suggests there may be discontinuities arising from the change in mode of collection. These new data will not be used in headline trade or other national accounts estimates until we have produced a consistent time series on the new basis. More information is available in the [Overseas travel and tourism release](#).

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.

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 as required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content, in this quarter inventories has been subject to balancing adjustments and the resulting series should be considered accordingly.

The size and direction of the quarterly alignment adjustments in Quarter 2 2018 indicate that in this quarter the level of expenditure is lower than the level of output and income is higher than the level of output. Table 1 shows the balancing adjustments applied to the GDP estimates in this publication.

Table 1: Balancing adjustments applied to the first quarterly estimate of GDP dataset for Quarter 2 (Apr to June) 2018

GDP measurement approach and component adjustment applied to		Q2 2018
Expenditure		
Change in inventories	Current prices	1500
	Chained volume measure	3500

Source: Office for National Statistics

Notes:

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

A1 Gross domestic product and gross value added¹

2016 = 100

	Value indices at current prices		Chained volume indices			Implied deflators ²		
	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 domestic expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	L48H	YBFV	YBGB	CGBV
2014	93.6	93.7	96.0	95.7	95.0	98.5	97.6	97.9
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	103.6	103.6	101.7	101.9	103.1	102.2	101.9	101.7
Seasonally adjusted								
2015 Q1	94.9	95.1	97.4	97.4	96.9	98.0	97.4	97.7
Q2	96.5	96.7	98.0	98.0	97.5	99.0	98.5	98.6
Q3	96.6	96.6	98.4	98.3	97.8	98.6	98.1	98.2
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	102.8	102.8	101.2	101.5	102.5	101.7	101.5	101.3
Q2	103.2	103.3	101.4	101.7	102.7	101.9	101.8	101.6
Q3	103.8	103.7	101.8	102.0	103.3	102.2	101.9	101.6
Q4	104.7	104.8	102.2	102.4	103.8	102.9	102.5	102.3
2018 Q1	105.6	106.0	102.4	102.6	104.0	103.2	103.1	103.3
Q2	106.4	106.5	102.8	103.0	104.5	103.7	103.5	103.4
Percentage change, latest year on previous year								
	IHYM	KGL6	IHYP	KGM7	L489	KH7D	IHYS	KGM4
2014	4.7	4.6	2.9	3.4	3.7	1.2	1.7	1.2
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	3.6	3.6	1.7	1.9	3.1	2.2	1.9	1.7
Percentage change, latest quarter on previous quarter								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2015 Q1	0.5	0.7	0.4	0.3	0.5	-0.2	0.1	0.4
Q2	1.7	1.7	0.6	0.7	0.6	1.0	1.1	1.0
Q3	0.1	-0.1	0.4	0.3	0.3	-0.4	-0.4	-0.4
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	1.0	1.1	0.4	0.4	1.0	1.1	0.6	0.7
Q2	0.4	0.5	0.2	0.2	0.3	0.3	0.2	0.3
Q3	0.5	0.4	0.4	0.3	0.5	0.3	0.2	-
Q4	0.9	1.1	0.4	0.4	0.5	0.6	0.5	0.7
2018 Q1	0.8	1.2	0.2	0.2	0.2	0.3	0.6	0.9
Q2	0.7	0.4	0.4	0.4	0.4	0.5	0.4	0.1
Percentage change, latest quarter on corresponding quarter of previous year								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2015 Q1	3.0	3.2	2.7	3.3	3.6	-0.2	0.3	-0.1
Q2	3.2	3.3	2.4	2.9	3.1	0.2	0.7	0.3
Q3	2.3	2.0	2.1	2.2	2.4	-0.2	0.2	-0.2
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	4.3	4.3	1.8	2.4	3.8	2.4	2.4	1.9
Q2	3.8	3.9	1.8	2.1	3.3	2.0	2.0	1.7
Q3	3.5	3.3	1.7	1.8	3.0	2.1	1.7	1.4
Q4	2.9	3.1	1.3	1.3	2.3	2.3	1.6	1.8
2018 Q1	2.7	3.1	1.2	1.1	1.5	1.5	1.6	2.0
Q2	3.1	3.1	1.3	1.3	1.7	1.7	1.7	1.8

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

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

A2 Gross domestic product and gross value added¹

£ million

	At current prices			Chained volume measures (Reference year 2016)			
	Gross domestic product at market prices	less Basic price adjustment ²	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment ²	Gross value added at basic prices	Gross value added excluding oil & gas ³
	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2014	1 844 295	198 340	1 645 955	1 890 493	209 942	1 680 700	1 669 769
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	2 040 651	220 897	1 819 754	2 002 140	212 718	1 789 422	1 776 847
Seasonally adjusted							
2015 Q1	467 295	49 777	417 518	479 734	52 180	427 535	424 741
Q2	475 229	50 726	424 503	482 464	52 024	430 425	427 251
Q3	475 541	51 621	423 920	484 552	52 849	431 718	428 558
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	506 015	54 746	451 269	498 417	52 899	445 518	442 349
Q2	508 227	54 843	453 384	499 477	53 046	446 431	443 289
Q3	510 906	55 840	455 066	501 232	53 285	447 947	444 707
Q4	515 503	55 468	460 035	503 014	53 488	449 526	446 502
2018 Q1	519 880	54 415	465 465	504 195	53 611	450 584	447 413
Q2	523 745	56 299	467 446	506 029	53 804	452 225	449 052
Percentage change, latest year on previous year							
	IHYM		KGL6	IHYP		KGM7	KLH8
2014	4.7		4.6	2.9		3.4	3.4
2015	2.8		2.8	2.3		2.5	2.5
2016	3.9		3.8	1.8		1.9	1.9
2017	3.6		3.6	1.7		1.9	1.9
Percentage change, latest quarter on previous quarter							
	IHYN		KGL8	IHYQ		KGM9	
2015 Q1	0.5		0.7	0.4		0.3	0.3
Q2	1.7		1.7	0.6		0.7	0.6
Q3	0.1		-0.1	0.4		0.3	0.3
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	1.0		1.1	0.4		0.4	0.4
Q2	0.4		0.5	0.2		0.2	0.2
Q3	0.5		0.4	0.4		0.3	0.3
Q4	0.9		1.1	0.4		0.4	0.4
2018 Q1	0.8		1.2	0.2		0.2	0.2
Q2	0.7		0.4	0.4		0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year							
	IHYO		KGM2	IHYR		KGN3	KLH9
2015 Q1	3.0		3.2	2.7		3.3	3.3
Q2	3.2		3.3	2.4		2.9	2.8
Q3	2.3		2.0	2.1		2.2	2.1
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	4.3		4.3	1.8		2.4	2.4
Q2	3.8		3.9	1.8		2.1	2.2
Q3	3.5		3.3	1.7		1.8	1.9
Q4	2.9		3.1	1.3		1.3	1.3
2018 Q1	2.7		3.1	1.2		1.1	1.1
Q2	3.1		3.1	1.3		1.3	1.3

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^{1,2}

2016 = 100

	Production							Service industries					Gross value added ⁴	Gross value added excluding oil & gas
	Agri-culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu-facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constru-ction	Distri-bution, hotels & restaura-nts	Transport storage and commu-nications	Business services and finance	Govern-ment and other services	Total		
2016 Weights³	7	10	100	17	10	138	60	134	106	335	221	796	1000	993
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2014	104.9	92.3	99.6	96.9	91.5	97.9	92.0	92.2	92.9	95.5	99.1	95.5	95.7	95.8
2015	106.0	99.7	99.6	97.9	94.7	99.0	96.1	96.3	96.7	98.0	100.0	98.1	98.1	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.9	100.3	102.5	98.3	102.7	101.8	107.1	102.1	104.2	102.0	100.2	101.8	101.9	101.9
Seasonally adjusted														
2015 Q1	106.0	94.7	100.2	99.5	91.5	98.8	95.1	95.0	95.5	97.2	99.5	97.2	97.4	97.5
Q2	107.0	102.7	99.8	97.6	95.3	99.5	96.3	96.1	96.5	97.6	100.0	97.9	98.0	98.0
Q3	106.3	101.8	99.3	98.5	95.7	99.2	95.7	96.6	97.1	98.2	100.2	98.3	98.3	98.3
Q4	104.6	99.7	99.2	96.1	96.0	98.6	97.2	97.6	97.7	98.9	100.5	98.9	98.8	98.8
2016 Q1	100.7	97.9	99.0	98.1	97.8	98.7	97.5	98.7	98.0	99.3	100.3	99.3	99.1	99.1
Q2	99.7	100.1	100.2	102.5	100.5	100.5	99.2	99.2	98.2	99.6	99.9	99.4	99.6	99.6
Q3	99.5	105.1	99.7	98.5	100.6	100.1	100.2	100.1	101.0	100.3	99.8	100.2	100.2	100.2
Q4	100.1	97.0	101.0	100.9	101.2	100.7	103.1	101.9	102.8	100.8	100.0	101.0	101.1	101.1
2017 Q1	102.1	100.3	101.5	96.9	103.4	101.0	106.4	101.6	102.9	101.5	100.2	101.4	101.5	101.5
Q2	102.7	100.6	101.7	97.4	102.7	101.1	106.9	102.0	103.8	101.6	100.4	101.6	101.7	101.7
Q3	103.5	102.7	102.7	99.6	101.8	102.2	107.3	102.5	104.3	102.1	100.3	102.0	102.0	102.0
Q4	103.2	97.8	104.1	99.5	103.0	103.0	107.7	102.4	105.8	102.7	100.1	102.3	102.4	102.4
2018 Q1	101.7	100.2	104.0	100.9	104.7	103.4	106.8	102.5	105.9	103.1	100.3	102.6	102.6	102.7
Q2	101.6	100.8	103.1	98.1	106.8	102.5	107.7	103.6	107.3	103.3	100.7	103.2	103.0	103.0
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2014	12.2	0.6	2.9	-6.0	0.7	1.5	8.8	4.4	2.8	3.5	2.2	3.2	3.4	3.4
2015	1.1	8.0	-	1.0	3.4	1.2	4.4	4.5	4.1	2.6	0.9	2.7	2.5	2.5
2016	-5.6	0.3	0.4	2.1	5.6	1.0	4.1	3.8	3.4	2.1	-	1.9	1.9	1.9
2017	2.9	0.3	2.5	-1.7	2.7	1.8	7.1	2.1	4.2	2.0	0.2	1.8	1.9	1.9
Percentage change, latest quarter on previous quarter														
													KGM9	
2015 Q1	-1.3	2.2	-	2.5	0.2	0.5	1.1	1.1	0.5	0.3	-0.5	0.3	0.3	0.3
Q2	0.9	8.4	-0.4	-1.8	4.2	0.7	1.2	1.2	1.0	0.4	0.5	0.6	0.7	0.6
Q3	-0.6	-0.9	-0.4	0.8	0.4	-0.3	-0.6	0.5	0.6	0.6	0.2	0.5	0.3	0.3
Q4	-1.7	-2.0	-0.2	-2.4	0.3	-0.6	1.5	1.0	0.6	0.7	0.3	0.6	0.5	0.5
2016 Q1	-3.7	-1.9	-0.1	2.1	1.8	0.1	0.3	1.1	0.4	0.5	-0.2	0.4	0.3	0.3
Q2	-1.1	2.2	1.2	4.6	2.8	1.8	1.7	0.5	0.2	0.3	-0.4	0.1	0.4	0.4
Q3	-0.2	5.1	-0.5	-3.9	0.1	-0.4	1.1	0.9	2.9	0.7	-0.1	0.8	0.6	0.6
Q4	0.6	-7.8	1.3	2.4	0.6	0.6	2.9	1.7	1.8	0.5	0.1	0.8	0.9	1.0
2017 Q1	2.0	3.5	0.5	-3.9	2.2	0.3	3.2	-0.3	0.1	0.7	0.3	0.3	0.4	0.4
Q2	0.5	0.3	0.2	0.5	-0.7	0.2	0.4	0.4	0.9	0.1	0.2	0.3	0.2	0.2
Q3	0.8	2.1	1.0	2.2	-0.9	1.1	0.4	0.4	0.5	0.5	-0.2	0.3	0.3	0.3
Q4	-0.3	-4.8	1.4	-0.1	1.2	0.7	0.3	-0.1	1.4	0.5	-0.2	0.4	0.4	0.4
2018 Q1	-1.5	2.5	-0.1	1.4	1.7	0.4	-0.8	0.1	0.1	0.5	0.3	0.3	0.2	0.2
Q2	-	0.7	-0.9	-2.7	1.9	-0.8	0.9	1.1	1.3	0.2	0.3	0.5	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KI12	KI19	KI18	L44Q	KGN3	KLH9
2015 Q1	3.9	1.7	1.4	4.5	-2.1	1.5	6.7	5.0	5.1	3.4	1.3	3.3	3.3	3.3
Q2	2.4	10.3	0.2	1.7	5.0	1.8	5.7	4.9	4.6	2.7	1.2	2.9	2.9	2.8
Q3	0.7	12.5	-0.7	-0.9	5.7	1.2	2.1	4.4	3.8	2.4	0.8	2.5	2.2	2.1
Q4	-2.6	7.6	-1.1	-1.0	5.1	0.3	3.3	3.9	2.8	2.0	0.5	2.0	1.8	1.7
2016 Q1	-5.0	3.3	-1.1	-1.4	6.8	-0.1	2.5	3.9	2.6	2.1	0.8	2.1	1.8	1.7
Q2	-6.8	-2.5	0.5	5.0	5.4	1.0	3.0	3.2	1.8	2.0	-0.1	1.6	1.6	1.6
Q3	-6.5	3.3	0.4	0.1	5.1	0.9	4.7	3.7	4.0	2.1	-0.3	1.9	1.9	1.9
Q4	-4.3	-2.8	1.9	5.0	5.3	2.1	6.1	4.4	5.3	1.9	-0.5	2.1	2.3	2.3
2017 Q1	1.4	2.5	2.5	-1.2	5.8	2.3	9.2	2.9	5.0	2.2	-	2.1	2.4	2.4
Q2	3.0	0.5	1.5	-5.0	2.2	0.6	7.8	2.8	5.7	2.0	0.5	2.2	2.1	2.2
Q3	4.1	-2.3	3.0	1.1	1.2	2.1	7.0	2.3	3.3	1.9	0.4	1.7	1.8	1.9
Q4	3.1	0.9	3.1	-1.4	1.8	2.3	4.4	0.5	2.9	1.9	0.1	1.3	1.3	1.3
2018 Q1	-0.4	-0.1	2.5	4.1	1.3	2.4	0.3	0.9	2.9	1.6	0.1	1.2	1.1	1.1
Q2	-1.0	0.3	1.3	0.8	3.9	1.4	0.8	1.5	3.4	1.7	0.2	1.5	1.3	1.3

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

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

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

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

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

2016 = 100

Service industries											
	Wholesale and retail trade	Transport, storage information comms	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services ⁴	Total services
2016 Weights³	104	106	30	73	138	123	47	59	75	40	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2014	91.7	92.9	94.0	99.5	96.0	92.5	103.8	98.9	96.9	98.2	95.5
2015	95.8	96.7	98.5	96.6	99.4	97.2	101.8	100.6	98.4	100.2	98.1
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.9	104.2	102.8	100.1	101.1	104.0	100.3	101.1	99.6	100.3	101.8
Seasonally adjusted											
2015 Q1	94.4	95.5	97.4	98.5	98.0	95.6	102.8	100.1	97.0	99.4	97.2
Q2	95.7	96.5	97.8	95.8	99.2	97.0	102.2	100.3	98.4	99.9	97.9
Q3	96.1	97.1	98.4	95.2	100.1	97.9	101.2	100.8	98.9	100.3	98.3
Q4	96.9	97.7	100.4	97.1	100.3	98.3	101.1	101.0	99.4	101.2	98.9
2016 Q1	98.6	98.0	99.2	98.7	100.5	98.4	100.5	100.5	100.1	99.9	99.3
Q2	99.2	98.2	99.3	99.4	99.9	99.4	99.8	99.8	100.1	99.7	99.4
Q3	100.2	101.0	100.1	101.2	99.7	100.4	99.8	99.7	100.0	99.7	100.2
Q4	102.0	102.8	101.5	100.7	99.9	101.8	99.8	100.0	99.7	100.6	101.0
2017 Q1	101.3	102.9	102.8	100.7	100.6	103.0	99.9	100.9	99.7	100.7	101.4
Q2	101.8	103.8	102.8	100.2	101.1	103.0	100.5	100.9	99.7	101.0	101.6
Q3	102.3	104.3	102.8	100.1	101.4	104.2	100.2	101.1	99.4	100.7	102.0
Q4	102.3	105.8	102.7	99.3	101.5	105.9	100.5	101.3	99.6	98.7	102.3
2018 Q1	102.3	105.9	103.0	99.8	101.7	106.8	100.5	101.5	99.9	99.2	102.6
Q2	103.9	107.3	102.3	99.6	102.0	107.0	100.3	101.6	100.2	100.4	103.2
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2014	4.9	2.8	2.7	-1.7	3.1	7.5	-1.8	1.5	3.4	6.2	3.2
2015	4.5	4.1	4.8	-2.9	3.5	5.1	-1.9	1.7	1.5	2.0	2.7
2016	4.4	3.4	1.5	3.5	0.6	2.9	-1.8	-0.6	1.6	-0.2	1.9
2017	1.9	4.2	2.8	0.1	1.1	4.0	0.3	1.1	-0.4	0.3	1.8
Percentage change, latest quarter on previous quarter											
2015 Q1	1.0	0.5	1.6	-1.2	1.0	0.4	-1.0	0.5	-1.3	0.1	0.3
Q2	1.4	1.0	0.5	-2.7	1.2	1.4	-0.6	0.1	1.5	0.4	0.6
Q3	0.5	0.6	0.6	-0.6	0.9	1.0	-0.9	0.5	0.5	0.5	0.5
Q4	0.8	0.6	2.0	2.0	0.2	0.4	-0.2	0.2	0.4	0.9	0.6
2016 Q1	1.8	0.4	-1.2	1.7	0.1	0.1	-0.6	-0.5	0.8	-1.2	0.4
Q2	0.6	0.2	0.1	0.8	-0.5	0.9	-0.6	-0.7	-	-0.2	0.1
Q3	0.9	2.9	0.8	1.8	-0.2	1.0	-	-0.1	-0.1	-	0.8
Q4	1.8	1.8	1.4	-0.4	0.1	1.5	-	0.3	-0.3	0.9	0.8
2017 Q1	-0.7	0.1	1.3	-	0.7	1.2	0.1	0.9	-0.1	-	0.3
Q2	0.5	0.9	-	-0.5	0.6	-	0.6	-	-	0.3	0.3
Q3	0.5	0.5	0.1	-0.2	0.3	1.1	-0.3	0.2	-0.3	-0.3	0.3
Q4	-	1.4	-0.1	-0.7	0.1	1.7	0.3	0.2	0.2	-2.1	0.4
2018 Q1	-	0.1	0.3	0.5	0.1	0.8	-	0.1	0.4	0.6	0.3
Q2	1.6	1.3	-0.7	-0.1	0.3	0.2	-0.2	0.1	0.3	1.2	0.5
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2015 Q1	4.9	5.1	5.5	-1.1	3.3	6.6	-1.1	2.3	1.2	2.6	3.3
Q2	5.0	4.6	4.6	-3.9	3.6	5.9	-1.6	1.5	2.3	2.0	2.9
Q3	4.4	3.8	4.4	-4.0	3.8	4.9	-2.4	1.7	1.7	1.6	2.5
Q4	3.7	2.8	4.8	-2.6	3.4	3.2	-2.6	1.3	1.0	1.9	2.0
2016 Q1	4.5	2.6	1.9	0.2	2.5	3.0	-2.2	0.3	3.2	0.5	2.1
Q2	3.7	1.8	1.5	3.8	0.8	2.5	-2.3	-0.4	1.7	-0.1	1.6
Q3	4.2	4.0	1.7	6.3	-0.4	2.5	-1.4	-1.1	1.1	-0.6	1.9
Q4	5.3	5.3	1.1	3.8	-0.5	3.6	-1.2	-1.1	0.4	-0.6	2.1
2017 Q1	2.7	5.0	3.6	2.1	0.1	4.6	-0.5	0.4	-0.4	0.7	2.1
Q2	2.6	5.7	3.5	0.8	1.2	3.7	0.7	1.0	-0.4	1.3	2.2
Q3	2.2	3.3	2.8	-1.1	1.7	3.8	0.4	1.4	-0.7	1.0	1.7
Q4	0.3	2.9	1.3	-1.4	1.7	4.0	0.7	1.4	-0.2	-2.0	1.3
2018 Q1	1.1	2.9	0.2	-0.9	1.1	3.7	0.5	0.6	0.3	-1.4	1.2
Q2	2.1	3.4	-0.5	-0.6	0.9	3.9	-0.2	0.7	0.6	-0.6	1.5

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

2 Components of output are valued at basic prices, which excludes taxes and includes subsidies on 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 prices¹

£ million

National expenditure on goods and services at market prices

	Final consumption expenditure			Gross capital formation					Total exports	Gross final expenditure	less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Change in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵							
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA
2014	1 142 350	56 259	357 101	305 747	175 594	12 565	–	–52 1	873 970	520 292	2 394 262	549 967	–29 675	–	1 844 295
2015	1 178 915	56 566	361 028	319 432	184 620	7 046	–	–164 1	922 823	519 610	2 442 433	546 594	–26 984	–	1 895 839
2016	1 235 247	57 343	367 974	331 442	187 032	8 556	–	–151 2	000 411	556 961	2 557 372	587 848	–30 887	–	1 969 524
2017	1 285 606	57 940	372 632	351 042	195 312	3 036	–	287 2	070 543	615 910	2 686 453	641 796	–25 886	–4 006	2 040 651

Seasonally adjusted

2015 Q1	290 220	14 139	90 075	79 609	46 422	193	1 832	2 508	476 744	130 245	606 989	139 694	–9 449	–	467 295
Q2	293 370	14 128	89 420	80 279	46 328	3 330	223	–325	480 202	131 032	611 234	136 005	–4 973	–	475 229
Q3	296 059	14 133	91 090	79 035	45 461	2 164	–1 721	–671	481 810	127 895	609 705	134 164	–6 269	–	475 541
Q4	299 266	14 166	90 443	80 509	46 409	1 359	–334	–1 676	484 067	130 438	614 505	136 731	–6 293	–	477 774
2016 Q1	303 176	14 217	91 626	80 667	45 850	2 046	–84	295	492 027	131 401	623 428	138 102	–6 701	–	485 326
Q2	306 925	14 287	91 550	82 434	46 690	1 712	–900	–1 196	495 712	136 044	631 756	142 262	–6 218	–	489 494
Q3	310 953	14 371	92 032	83 994	47 583	3 500	1 981	2 620	507 470	138 462	645 932	152 202	–13 740	–	493 730
Q4	314 193	14 468	92 766	84 347	46 909	1 298	–997	–1 870	505 202	151 054	656 256	155 282	–4 228	–	500 974
2017 Q1	318 682	14 497	92 749	85 826	47 699	2 098	–911	–579	513 273	152 193	665 466	158 817	–6 624	–634	506 015
Q2	320 524	14 496	93 470	87 262	48 621	–114	–1 388	185	515 823	152 791	668 614	159 440	–6 649	–947	508 227
Q3	321 493	14 468	92 932	88 326	49 298	1 361	1 860	382	518 962	154 467	673 429	161 364	–6 897	–1 159	510 906
Q4	324 907	14 479	93 481	89 628	49 694	–309	439	299	522 485	156 459	678 944	162 175	–5 716	–1 266	515 503
2018 Q1	329 114	14 486	94 658	88 898	49 697	–1 630	–2 939	–487	525 039	156 446	681 485	160 289	–3 843	–1 316	519 880
Q2	330 434	14 476	95 435	89 718	49 889	2 570	1 302	1 039	533 672	153 381	687 053	161 962	–8 581	–1 346	523 745

Percentage change, latest year on previous year

	KG7	KGZ8	KH2C	KG6O	KG6N	KGX3	KH2O	KG7	KH3H	IHYM
2014	4.0	3.4	3.0	8.6	5.9	4.7	–0.6	3.5	–0.5	4.7
2015	3.2	0.5	1.1	4.5	5.1	2.6	–0.1	2.0	–0.6	2.8
2016	4.8	1.4	1.9	3.8	1.3	4.0	7.2	4.7	7.5	3.9
2017	4.1	1.0	1.3	5.9	4.4	3.5	10.6	5.0	9.2	3.6

Percentage change, latest quarter on previous quarter

	KG8	KGZ9	KH2D	KG6W	KG6V	KGX4	KH2P	KG8	KH3I	IHYN
2015 Q1	0.4	–	0.3	2.3	4.0	0.5	–1.2	0.2	–0.9	0.5
Q2	1.1	–0.1	–0.7	0.8	–0.2	0.7	0.6	0.7	–2.6	1.7
Q3	0.9	–	1.9	–1.5	–1.9	0.3	–2.4	–0.3	–1.4	0.1
Q4	1.1	0.2	–0.7	1.9	2.1	0.5	2.0	0.8	1.9	0.5
2016 Q1	1.3	0.4	1.3	0.2	–1.2	1.6	0.7	1.5	1.0	1.6
Q2	1.2	0.5	–0.1	2.2	1.8	0.7	3.5	1.3	3.0	0.9
Q3	1.3	0.6	0.5	1.9	1.9	2.4	1.8	2.2	7.0	0.9
Q4	1.0	0.7	0.8	0.4	–1.4	–0.4	9.1	1.6	2.0	1.5
2017 Q1	1.4	0.2	–	1.8	1.7	1.6	0.8	1.4	2.3	1.0
Q2	0.6	–	0.8	1.7	1.9	0.5	0.4	0.5	0.4	0.4
Q3	0.3	–0.2	–0.6	1.2	1.4	0.6	1.1	0.7	1.2	0.5
Q4	1.1	0.1	0.6	1.5	0.8	0.7	1.3	0.8	0.5	0.9
2018 Q1	1.3	–	1.3	–0.8	–	0.5	–	0.4	–1.2	0.8
Q2	0.4	–0.1	0.8	0.9	0.4	1.6	–2.0	0.8	1.0	0.7

Percentage change, latest quarter on corresponding quarter of previous year

	KG9	KH22	KH2E	KG76	KG75	KGX5	KH2Q	KG9	KH3J	IHYO
2015 Q1	3.2	1.4	0.6	5.3	8.0	3.3	1.2	2.8	2.4	3.0
Q2	3.1	0.5	2.0	6.4	5.5	3.1	–0.1	2.4	–0.1	3.2
Q3	3.0	0.1	1.1	2.8	3.2	2.0	–0.6	1.4	–1.7	2.3
Q4	3.6	0.2	0.7	3.4	4.0	2.1	–1.0	1.4	–3.0	2.8
2016 Q1	4.5	0.6	1.7	1.3	–1.2	3.2	0.9	2.7	–1.1	3.9
Q2	4.6	1.1	2.4	2.7	0.8	3.2	3.8	3.4	4.6	3.0
Q3	5.0	1.7	1.0	6.3	4.7	5.3	8.3	5.9	13.4	3.8
Q4	5.0	2.1	2.6	4.8	1.1	4.4	15.8	6.8	13.6	4.9
2017 Q1	5.1	2.0	1.2	6.4	4.0	4.3	15.8	6.7	15.0	4.3
Q2	4.4	1.5	2.1	5.9	4.1	4.1	12.3	5.8	12.1	3.8
Q3	3.4	0.7	1.0	5.2	3.6	2.3	11.6	4.3	6.0	3.5
Q4	3.4	0.1	0.8	6.3	5.9	3.4	3.6	3.5	4.4	2.9
2018 Q1	3.3	–0.1	2.1	3.6	4.2	2.3	2.8	2.4	0.9	2.7
Q2	3.1	–0.1	2.1	2.8	2.6	3.5	0.4	2.8	1.6	3.1

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

C2 Gross domestic product by category of expenditure: chained volume measures¹

Reference year 2016, £ million

National expenditure on goods and services at market prices

	Final consumption expenditure					Gross capital formation					Total exports	Gross final expenditure less imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Change in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	NPJR	YBIM					
2014	1 165 059	57 035	360 149	313 472	180 608	14 477	-1	-97 1	901 970	527 797	2 429 522	539 475	-11 678	-	1 890 493
2015	1 196 525	56 874	365 223	324 016	187 355	11 146	-1	-360 1	953 172	551 228	2 504 151	569 120	-17 892	-	1 934 903
2016	1 235 247	57 343	367 974	331 442	187 031	8 556	-	-151 2	000 411	556 961	2 557 372	587 848	-30 887	-	1 969 524
2017	1 258 910	57 045	367 480	342 835	190 073	-481	-	229 2	026 018	586 934	2 612 952	606 885	-19 951	-3 927	2 002 140

Seasonally adjusted

2015 Q1	295 287	14 220	90 461	80 808	47 195	1 011	1 878	2 536	486 411	136 932	623 264	143 349	-6 417	-	479 734
Q2	297 798	14 293	91 291	81 764	47 152	3 154	223	-345	484 867	138 061	622 843	140 387	-2 326	-	482 464
Q3	301 636	14 166	91 806	80 017	45 985	4 199	-1 757	-748	488 607	136 744	625 287	140 793	-4 049	-	484 552
Q4	301 804	14 195	91 665	81 427	47 023	2 782	-345	-1 803	493 287	139 491	632 757	144 591	-5 100	-	488 153
2016 Q1	305 101	14 251	92 044	81 415	46 221	1 881	-86	284	495 416	138 252	633 733	143 976	-5 724	-	489 736
Q2	307 595	14 345	91 959	82 695	46 622	347	-903	-1 264	495 847	139 554	635 416	144 900	-5 346	-	490 502
Q3	311 268	14 338	91 824	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	313 173	14 383	91 502	84 308	46 759	1 939	-897	-553	504 752	145 182	649 934	150 893	-5 711	-624	498 417
Q2	314 416	14 281	91 950	85 682	47 550	-517	-1 362	159	505 971	145 985	651 956	151 548	-5 563	-931	499 477
Q3	315 224	14 182	91 824	86 067	47 843	-83	1 828	337	507 551	147 180	654 731	152 362	-5 182	-1 137	501 232
Q4	316 097	14 199	92 204	86 778	47 921	-1 820	431	286	507 744	148 587	656 331	152 082	-3 495	-1 235	503 014
2018 Q1	316 885	14 155	92 555	85 609	47 711	-96	-2 849	-463	508 645	148 657	657 302	151 831	-3 174	-1 276	504 195
Q2	317 975	14 174	92 940	86 324	47 937	2 214	1 261	946	514 573	143 344	657 917	150 588	-7 244	-1 300	506 029

Percentage change, latest year on previous year

2014	KGZ5	KH26	KH2I	KG7N	KG7M	KGX9	KH2U	KGW5	KH3N	IHYP
2015	2.1	1.1	2.2	7.2	5.2	3.4	2.3	3.1	3.8	2.9
2016	2.7	-0.3	1.4	3.4	3.7	2.7	4.4	3.1	5.5	2.3
2017	3.2	0.8	0.8	2.3	-0.2	2.4	1.0	2.1	3.3	1.8
2018	1.9	-0.5	-0.1	3.4	1.6	1.3	5.4	2.2	3.2	1.7

Percentage change, latest quarter on previous quarter

2015 Q1	KGZ6	KH27	KH2J	KG7Q	KG7P	KGY2	KH2V	KGW6	KH3O	IHYQ
Q2	0.6	0.1	0.5	1.7	3.3	0.7	1.2	0.8	2.2	0.4
Q3	0.9	0.5	0.9	1.2	-0.1	-0.3	0.8	-0.1	-2.1	0.6
Q4	1.3	-0.9	0.6	-2.1	-2.5	0.8	-1.0	0.4	0.3	0.4
2016 Q1	0.1	0.2	-0.2	1.8	2.3	1.0	2.0	1.2	2.7	0.7
2016 Q2	1.1	0.4	0.4	-	-1.7	0.4	-0.9	0.2	-0.4	0.3
Q3	0.8	0.7	-0.1	1.6	0.9	0.1	0.9	0.3	0.6	0.2
Q4	1.2	-	-	1.5	1.5	2.2	-3.2	1.1	3.1	0.5
2017 Q1	-	0.5	-	-0.6	-1.0	-0.9	6.6	0.6	0.2	0.7
2017 Q2	0.6	-0.2	-0.5	1.1	-0.2	0.5	0.8	0.6	0.9	0.4
Q3	0.4	-0.7	0.5	1.6	1.7	0.2	0.6	0.3	0.4	0.2
Q4	0.3	-0.7	-0.1	0.4	0.6	0.3	0.8	0.4	0.5	0.4
2018 Q1	0.3	0.1	0.4	0.8	0.2	-	1.0	0.2	-0.2	0.4
Q2	0.2	-0.3	0.4	-1.3	-0.4	0.2	-	0.1	-0.2	0.2
Q3	0.3	0.1	0.4	0.8	0.5	1.2	-3.6	0.1	-0.8	0.4

Percentage change, latest quarter on corresponding quarter of previous year

2015 Q1	KGZ7	KH28	KH2K	KG7T	KG7S	KGY3	KH2W	KGW7	KH3P	IHYR
Q2	2.3	-0.8	1.0	4.4	7.0	3.5	5.7	4.0	8.3	2.7
Q3	2.7	0.4	1.2	5.3	4.0	2.9	4.2	3.2	5.9	2.4
Q4	3.0	-0.6	1.6	1.3	1.2	2.2	4.8	2.8	4.9	2.1
2016 Q1	2.8	-0.1	1.8	2.5	2.9	2.2	3.1	2.4	3.0	2.2
2016 Q2	3.3	0.2	1.7	0.8	-2.1	1.9	1.0	1.7	0.4	2.1
Q3	3.3	0.4	0.7	1.1	-1.1	2.3	1.1	2.0	3.2	1.7
Q4	3.2	1.2	0.2	4.9	2.9	3.7	-1.2	2.7	6.1	1.7
2017 Q1	3.1	1.5	0.4	2.5	-0.4	1.8	3.3	2.1	3.5	1.7
2017 Q2	2.6	0.9	-0.6	3.6	1.2	1.9	5.0	2.6	4.8	1.8
Q3	2.2	-0.4	-	3.6	2.0	2.0	4.6	2.6	4.6	1.8
Q4	1.3	-1.1	-0.2	2.6	1.1	0.1	8.9	2.0	2.0	1.7
2018 Q1	1.5	-1.5	0.2	4.0	2.3	1.1	3.2	1.6	1.7	1.3
2018 Q2	1.2	-1.6	1.2	1.5	2.0	0.8	2.4	1.1	0.6	1.2
Q3	1.1	-0.7	1.1	0.7	0.8	1.7	-1.8	0.9	-0.6	1.3

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.

D Gross domestic product by category of income: current prices¹

£ million

	Compensation of employees	Gross operating surplus of corporations ^{2,3}	Of which alignment adjustment	Other income ⁴	Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	DTWM	CGBZ	DMUQ	CGBX	CGCB	CMVL	GIXQ	YBHA
2014	899 969	414 086	–	305 856	1 619 911	224 384	–	1 844 295
2015	928 459	413 869	–	322 906	1 665 234	230 605	–	1 895 839
2016	963 406	432 307	–	333 887	1 729 600	239 924	–	1 969 524
2017	1 002 861	445 458	–	337 407	1 785 726	246 625	8 300	2 040 651
Seasonally adjusted								
2015 Q1	228 320	104 464	1 090	78 492	411 276	56 019	–	467 295
Q2	230 772	106 714	831	80 177	417 663	57 566	–	475 229
Q3	234 183	101 016	–1 054	81 855	417 054	58 487	–	475 541
Q4	235 184	101 675	–867	82 382	419 241	58 533	–	477 774
2016 Q1	233 322	110 376	1 912	82 608	426 306	59 020	–	485 326
Q2	240 398	105 406	–1 681	83 888	429 692	59 802	–	489 494
Q3	245 066	104 992	–1 987	83 782	433 840	59 890	–	493 730
Q4	244 620	111 533	1 756	83 609	439 762	61 212	–	500 974
2017 Q1	246 849	113 664	3 775	83 636	444 149	60 673	1 193	506 015
Q2	249 650	110 922	–1 205	84 204	444 776	61 582	1 869	508 227
Q3	251 800	109 721	–2 336	84 488	446 009	62 455	2 442	510 906
Q4	254 562	111 151	–234	85 079	450 792	61 915	2 796	515 503
2018 Q1	257 467	112 830	1 765	86 305	456 602	60 466	2 812	519 880
Q2	259 082	111 344	–732	87 350	457 776	63 127	2 842	523 745
Percentage change, latest year on previous year								
	KGI3	KH4V		KH6T	KH6N	KH65		IHYM
2014	2.2	8.7		6.9	4.7	5.1		4.7
2015	3.2	–0.1		5.6	2.8	2.8		2.8
2016	3.8	4.5		3.4	3.9	4.0		3.9
2017	4.1	3.0		1.1	3.2	2.8		3.6
Percentage change, latest quarter on previous quarter								
	KGI4	KH4W		KH6U	KH6O	KH66		IHYN
2015 Q1	0.4	1.5		1.1	0.8	–1.5		0.5
Q2	1.1	2.2		2.1	1.6	2.8		1.7
Q3	1.5	–5.3		2.1	–0.1	1.6		0.1
Q4	0.4	0.7		0.6	0.5	0.1		0.5
2016 Q1	–0.8	8.6		0.3	1.7	0.8		1.6
Q2	3.0	–4.5		1.5	0.8	1.3		0.9
Q3	1.9	–0.4		–0.1	1.0	0.1		0.9
Q4	–0.2	6.2		–0.2	1.4	2.2		1.5
2017 Q1	0.9	1.9		–	1.0	–0.9		1.0
Q2	1.1	–2.4		0.7	0.1	1.5		0.4
Q3	0.9	–1.1		0.3	0.3	1.4		0.5
Q4	1.1	1.3		0.7	1.1	–0.9		0.9
2018 Q1	1.1	1.5		1.4	1.3	–2.3		0.8
Q2	0.6	–1.3		1.2	0.3	4.4		0.7
Percentage change, latest quarter on corresponding quarter of previous year								
	KGI5	KH4X		KH6V	KH6P	KH67		IHYO
2015 Q1	2.3	3.6		5.2	3.2	1.2		3.0
Q2	3.4	2.1		4.3	3.2	2.5		3.2
Q3	3.5	–4.5		6.6	2.0	4.5		2.3
Q4	3.4	–1.2		6.1	2.7	2.9		2.8
2016 Q1	2.2	5.7		5.2	3.7	5.4		3.9
Q2	4.2	–1.2		4.6	2.9	3.9		3.0
Q3	4.6	3.9		2.4	4.0	2.4		3.8
Q4	4.0	9.7		1.5	4.9	4.6		4.9
2017 Q1	5.8	3.0		1.2	4.2	2.8		4.3
Q2	3.8	5.2		0.4	3.5	3.0		3.8
Q3	2.7	4.5		0.8	2.8	4.3		3.5
Q4	4.1	–0.3		1.8	2.5	1.1		2.9
2018 Q1	4.3	–0.7		3.2	2.8	–0.3		2.7
Q2	3.8	0.4		3.7	2.9	2.5		3.1

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

2 Quarterly alignment adjustment included in this series.

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

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

F1 Gross fixed capital formation by sector and type of asset

Current prices

£ million

	Analysis by sector								Analysis by asset					
	Public corporations ²				Private Sector				Transport equipment	Other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products	Total
	Business investment ¹	General government	Dwellings ³	Costs of transfer of ownership of non-produced assets	Dwellings ³	Costs of transfer of ownership of non-produced assets	Total							
2014	NPEK 175 594	RPZG 50 796	L62R 8 297	L62S 656	L62T 55 347	L62U 15 058	NPQS 305 747	TLPX 16 449	TLPW 62 461	GGAE 63 643	EQED 102 630	TLPK 60 565	NPQS 305 747	
2015	184 620	50 998	8 128	687	59 817	15 181	319 432	22 382	62 290	67 946	107 618	59 195	319 432	
2016	187 032	52 100	8 403	726	66 169	17 013	331 442	25 856	61 628	74 573	108 718	60 669	331 442	
2017	195 312	54 234	8 599	773	73 980	18 143	351 042	22 771	66 132	82 582	116 830	62 727	351 042	
Seasonally adjusted														
2015 Q1	46 422	13 342	2 204	179	14 085	3 377	79 609	6 676	15 363	16 289	26 885	14 396	79 609	
Q2	46 328	13 002	1 880	155	15 152	3 761	80 279	5 489	15 660	17 033	27 067	15 030	80 279	
Q3	45 461	12 360	2 055	177	15 047	3 934	79 035	4 866	15 397	17 103	26 769	14 901	79 035	
Q4	46 409	12 294	1 989	176	15 533	4 109	80 509	5 351	15 870	17 521	26 897	14 868	80 509	
2016 Q1	45 850	12 128	2 046	150	15 969	4 525	80 667	6 286	14 902	18 015	26 514	14 950	80 667	
Q2	46 690	13 111	2 104	229	16 209	4 091	82 434	6 347	15 804	18 313	26 820	15 150	82 434	
Q3	47 583	13 460	2 115	168	16 623	4 045	83 994	7 169	15 346	18 738	27 534	15 208	83 994	
Q4	46 909	13 401	2 138	179	17 368	4 352	84 347	6 054	15 576	19 507	27 850	15 361	84 347	
2017 Q1	47 699	13 155	2 263	160	18 002	4 547	85 826	5 920	15 696	20 265	28 818	15 127	85 826	
Q2	48 621	13 616	2 286	233	18 080	4 426	87 262	6 121	16 655	20 367	28 664	15 455	87 262	
Q3	49 298	13 594	2 184	193	18 454	4 602	88 326	5 625	16 611	20 639	29 596	15 855	88 326	
Q4	49 694	13 869	1 866	187	19 444	4 568	89 628	5 105	17 170	21 311	29 752	16 290	89 628	
2018 Q1	49 697	13 158	1 520	164	19 819	4 540	88 898	5 780	16 798	21 339	28 712	16 269	88 898	
Q2	49 889	13 869	1 114	205	20 282	4 359	89 718	4 936	17 350	21 396	29 311	16 725	89 718	
Percentage change, latest year on previous year														
	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2014	5.9	11.3	17.9	25.7	12.1	16.4	8.6	40.4	9.9	12.8	6.4	0.9	8.6	
2015	5.1	0.4	-2.0	4.7	8.1	0.8	4.5	36.1	-0.3	6.8	4.9	-2.3	4.5	
2016	1.3	2.2	3.4	5.7	10.6	12.1	3.8	15.5	-1.1	9.8	1.0	2.5	3.8	
2017	4.4	4.1	2.3	6.5	11.8	6.6	5.9	-11.9	7.3	10.7	7.5	3.4	5.9	
Percentage change, latest quarter on previous quarter														
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2015 Q1	4.0	2.5	-0.5	7.2	0.3	-9.9	2.3	56.2	-3.5	0.2	3.2	-6.1	2.3	
Q2	-0.2	-2.5	-14.7	-13.4	7.6	11.4	0.8	-17.8	1.9	4.6	0.7	4.4	0.8	
Q3	-1.9	-4.9	9.3	14.2	-0.7	4.6	-1.5	-11.3	-1.7	0.4	-1.1	-0.9	-1.5	
Q4	2.1	-0.5	-3.2	-0.6	3.2	4.4	1.9	10.0	3.1	2.4	0.5	-0.2	1.9	
2016 Q1	-1.2	-1.4	2.9	-14.8	2.8	10.1	0.2	17.5	-6.1	2.8	-1.4	0.6	0.2	
Q2	1.8	8.1	2.8	52.7	1.5	-9.6	2.2	1.0	6.1	1.7	1.2	1.3	2.2	
Q3	1.9	2.7	0.5	-26.6	2.6	-1.1	1.9	13.0	-2.9	2.3	2.7	0.4	1.9	
Q4	-1.4	-0.4	1.1	6.5	4.5	7.6	0.4	-15.6	1.5	4.1	1.1	1.0	0.4	
2017 Q1	1.7	-1.8	5.8	-10.6	3.7	4.5	1.8	-2.2	0.8	3.9	3.5	-1.5	1.8	
Q2	1.9	3.5	1.0	45.6	0.4	-2.7	1.7	3.4	6.1	0.5	-0.5	2.2	1.7	
Q3	1.4	-0.2	-4.5	-17.2	2.1	4.0	1.2	-8.1	-0.3	1.3	3.3	2.6	1.2	
Q4	0.8	2.0	-14.6	-3.1	5.4	-0.7	1.5	-9.2	3.4	3.3	0.5	2.7	1.5	
2018 Q1	-	-5.1	-18.5	-12.3	1.9	-0.6	-0.8	13.2	-2.2	0.1	-3.5	-0.1	-0.8	
Q2	0.4	5.4	-26.7	25.0	2.3	-4.0	0.9	-14.6	3.3	0.3	2.1	2.8	0.9	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2015 Q1	8.0	-1.4	20.1	13.3	3.2	-2.1	5.3	85.6	0.4	5.2	3.8	-6.0	5.3	
Q2	5.5	10.3	-9.4	-3.7	12.0	-4.7	6.4	30.2	1.6	9.1	7.3	0.4	6.4	
Q3	3.2	-0.8	-5.4	4.1	6.6	0.5	2.8	11.6	-2.8	5.0	5.2	-0.3	2.8	
Q4	4.0	-5.5	-10.2	5.4	10.6	9.6	3.4	25.2	-0.3	7.8	3.2	-3.0	3.4	
2016 Q1	-1.2	-9.1	-7.2	-16.2	13.4	34.0	1.3	-5.8	-3.0	10.6	-1.4	3.8	1.3	
Q2	0.8	0.8	11.9	47.7	7.0	8.8	2.7	15.6	0.9	7.5	-0.9	0.8	2.7	
Q3	4.7	8.9	2.9	-5.1	10.5	2.8	6.3	47.3	-0.3	9.6	2.9	2.1	6.3	
Q4	1.1	9.0	7.5	1.7	11.8	5.9	4.8	13.1	-1.9	11.3	3.5	3.3	4.8	
2017 Q1	4.0	8.5	10.6	6.7	12.7	0.5	6.4	-5.8	5.3	12.5	8.7	1.2	6.4	
Q2	4.1	3.9	8.7	1.7	11.5	8.2	5.9	-3.6	5.4	11.2	6.9	2.0	5.9	
Q3	3.6	1.0	3.3	14.9	11.0	13.8	5.2	-21.5	8.2	10.1	7.5	4.3	5.2	
Q4	5.9	3.5	-12.7	4.5	12.0	5.0	6.3	-15.7	10.2	9.2	6.8	6.0	6.3	
2018 Q1	4.2	-	-32.8	2.5	10.1	-0.2	3.6	-2.4	7.0	5.3	-0.4	7.5	3.6	
Q2	2.6	1.9	-51.3	-12.0	12.2	-1.5	2.8	-19.4	4.2	5.1	2.3	8.2	2.8	

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

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

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

4 Includes new dwellings and improvements to dwellings.

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

F2 Gross fixed capital formation by sector and type of asset

Chained volume measures

Reference year 2016, £ million

	Analysis by sector								Analysis by asset					
	Public corporations ²				Private Sector				Transport equipment	Other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property	Total
	Business investment ¹	General government	Dwellings ³	Costs of transfer of ownership of non-produced assets	Dwellings ³	Costs of transfer of ownership of non-produced assets	NPQT	Total						
2014	180 608	51 999	8 424	671	56 287	15 416	313 472	15 894	66 763	64 712	104 825	62 036	313 472	
2015	187 355	51 660	8 241	694	60 677	15 347	324 016	21 785	64 208	68 917	109 223	60 130	324 016	
2016	187 031	52 100	8 404	726	66 170	17 013	331 442	25 854	61 628	74 572	108 718	60 669	331 442	
2017	190 073	53 085	8 435	766	72 513	17 963	342 835	23 255	61 914	80 948	114 434	62 284	342 835	
Seasonally adjusted														
2015 Q1	47 195	13 411	2 242	182	14 333	3 428	80 808	6 356	15 920	16 576	27 274	14 682	80 808	
Q2	47 152	13 297	1 911	157	15 422	3 813	81 764	5 474	16 076	17 332	27 670	15 273	81 764	
Q3	45 985	12 562	2 080	178	15 235	3 966	80 017	4 770	15 768	17 315	27 144	15 112	80 017	
Q4	47 023	12 390	2 008	177	15 687	4 140	81 427	5 185	16 444	17 694	27 135	15 063	81 427	
2016 Q1	46 221	12 243	2 062	150	16 191	4 543	81 415	6 230	15 135	18 253	26 771	15 042	81 415	
Q2	46 622	13 277	2 110	229	16 369	4 095	82 695	6 272	15 744	18 478	27 040	15 176	82 695	
Q3	47 330	13 605	2 109	168	16 674	4 024	83 909	7 151	15 167	18 783	27 600	15 174	83 909	
Q4	46 858	12 975	2 123	179	16 936	4 351	83 423	6 201	15 582	19 058	27 307	15 277	83 423	
2017 Q1	46 759	12 833	2 233	160	17 763	4 560	84 308	6 174	14 785	19 996	28 250	15 103	84 308	
Q2	47 550	13 468	2 250	232	17 786	4 396	85 682	6 255	15 670	20 036	28 379	15 342	85 682	
Q3	47 843	13 316	2 138	190	18 058	4 522	86 067	5 725	15 522	20 196	28 914	15 710	86 067	
Q4	47 921	13 468	1 814	184	18 906	4 485	86 778	5 101	15 937	20 720	28 891	16 129	86 778	
2018 Q1	47 711	12 628	1 471	160	19 181	4 458	85 609	5 620	15 715	20 652	27 638	15 984	85 609	
Q2	47 937	13 484	1 070	200	19 390	4 243	86 324	4 711	16 510	20 460	28 217	16 426	86 324	
Percentage change, latest year on previous year														
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2014	5.2	8.7	15.5	24.0	8.7	14.9	7.2	45.3	10.6	9.5	3.4	0.5	7.2	
2015	3.7	-0.7	-2.2	3.4	7.8	-0.4	3.4	37.1	-3.8	6.5	4.2	-3.1	3.4	
2016	-0.2	0.9	2.0	4.6	9.1	10.9	2.3	18.7	-4.0	8.2	-0.5	0.9	2.3	
2017	1.6	1.9	0.4	5.5	9.6	5.6	3.4	-10.1	0.5	8.6	5.3	2.7	3.4	
Percentage change, latest quarter on previous quarter														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2015 Q1	3.3	1.6	-0.2	6.4	0.5	-10.4	1.7	50.6	-4.3	0.4	2.8	-6.5	1.7	
Q2	-0.1	-0.9	-14.8	-13.7	7.6	11.2	1.2	-13.9	1.0	4.6	1.5	4.0	1.2	
Q3	-2.5	-5.5	8.8	13.4	-1.2	4.0	-2.1	-12.9	-1.9	-0.1	-1.9	-1.1	-2.1	
Q4	2.3	-1.4	-3.5	-0.6	3.0	4.4	1.8	8.7	4.3	2.2	-	-0.3	1.8	
2016 Q1	-1.7	-1.2	2.7	-15.3	3.2	9.7	-	20.2	-8.0	3.2	-1.3	-0.1	-	
Q2	0.9	8.4	2.3	52.7	1.1	-9.9	1.6	0.7	4.0	1.2	1.0	0.9	1.6	
Q3	1.5	2.5	-	-26.6	1.9	-1.7	1.5	14.0	-3.7	1.7	2.1	-	1.5	
Q4	-1.0	-4.6	0.7	6.5	1.6	8.1	-0.6	-13.3	2.7	1.5	-1.1	0.7	-0.6	
2017 Q1	-0.2	-1.1	5.2	-10.6	4.9	4.8	1.1	-0.4	-5.1	4.9	3.5	-1.1	1.1	
Q2	1.7	4.9	0.8	45.0	0.1	-3.6	1.6	1.3	6.0	0.2	0.5	1.6	1.6	
Q3	0.6	-1.1	-5.0	-18.1	1.5	2.9	0.4	-8.5	-0.9	0.8	1.9	2.4	0.4	
Q4	0.2	1.1	-15.2	-3.2	4.7	-0.8	0.8	-10.9	2.7	2.6	-0.1	2.7	0.8	
2018 Q1	-0.4	-6.2	-18.9	-13.0	1.5	-0.6	-1.3	10.2	-1.4	-0.3	-4.3	-0.9	-1.3	
Q2	0.5	6.8	-27.3	25.0	1.1	-4.8	0.8	-16.2	5.1	-0.9	2.1	2.8	0.8	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2015 Q1	7.0	-3.0	20.2	12.3	2.9	-3.2	4.4	88.8	-3.2	5.0	3.4	-6.4	4.4	
Q2	4.0	9.1	-9.2	-4.8	12.2	-5.8	5.3	34.8	-3.7	9.4	6.8	-0.3	5.3	
Q3	1.2	-1.8	-5.8	2.9	6.2	-0.9	1.3	12.3	-7.2	4.6	4.3	-1.4	1.3	
Q4	2.9	-6.2	-10.6	3.5	10.0	8.3	2.5	22.8	-1.1	7.1	2.3	-4.0	2.5	
2016 Q1	-2.1	-8.7	-8.0	-17.6	13.0	32.5	0.8	-2.0	-4.9	10.1	-1.8	2.5	0.8	
Q2	-1.1	-0.2	10.4	45.9	6.1	7.4	1.1	14.6	-2.1	6.6	-2.3	-0.6	1.1	
Q3	2.9	8.3	1.4	-5.6	9.4	1.5	4.9	49.9	-3.8	8.5	1.7	0.4	4.9	
Q4	-0.4	4.7	5.7	1.1	8.0	5.1	2.5	19.6	-5.2	7.7	0.6	1.4	2.5	
2017 Q1	1.2	4.8	8.3	6.7	9.7	0.4	3.6	-0.9	-2.3	9.5	5.5	0.4	3.6	
Q2	2.0	1.4	6.6	1.3	8.7	7.4	3.6	-0.3	-0.5	8.4	5.0	1.1	3.6	
Q3	1.1	-2.1	1.4	13.1	8.3	12.4	2.6	-19.9	2.3	7.5	4.8	3.5	2.6	
Q4	2.3	3.8	-14.6	2.8	11.6	3.1	4.0	-17.7	2.3	8.7	5.8	5.6	4.0	
2018 Q1	2.0	-1.6	-34.1	-	8.0	-2.2	1.5	-9.0	6.3	3.3	-2.2	5.8	1.5	
Q2	0.8	0.1	-52.4	-13.8	9.0	-3.5	0.7	-24.7	5.4	2.1	-0.6	7.1	0.7	

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 ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2014	293 116	227 176	520 292	415 187	134 780	549 967	-122 071	92 396	-29 675
2015	286 752	232 858	519 610	404 562	142 032	546 594	-117 810	90 826	-26 984
2016	299 073	257 888	556 961	431 725	156 123	587 848	-132 652	101 765	-30 887
2017	338 871	277 039	615 910	476 319	165 477	641 796	-137 448	111 562	-25 886
Seasonally adjusted									
2015 Q1	71 714	58 531	130 245	105 218	34 476	139 694	-33 504	24 055	-9 449
Q2	73 675	57 357	131 032	100 479	35 526	136 005	-26 804	21 831	-4 973
Q3	70 559	57 336	127 895	98 591	35 573	134 164	-28 032	21 763	-6 269
Q4	70 804	59 634	130 438	100 274	36 457	136 731	-29 470	23 177	-6 293
2016 Q1	70 403	60 998	131 401	101 443	36 659	138 102	-31 040	24 339	-6 701
Q2	73 778	62 266	136 044	104 321	37 941	142 262	-30 543	24 325	-6 218
Q3	74 148	64 314	138 462	112 681	39 521	152 202	-38 533	24 793	-13 740
Q4	80 744	70 310	151 054	113 280	42 002	155 282	-32 536	28 308	-4 228
2017 Q1	82 965	69 228	152 193	117 537	41 280	158 817	-34 572	27 948	-6 624
Q2	84 299	68 492	152 791	118 320	41 120	159 440	-34 021	27 372	-6 649
Q3	85 948	68 519	154 467	119 920	41 444	161 364	-33 972	27 075	-6 897
Q4	85 659	70 800	156 459	120 542	41 633	162 175	-34 883	29 167	-5 716
2018 Q1	87 027	69 419	156 446	118 237	42 052	160 289	-31 210	27 367	-3 843
Q2	83 912	69 469	153 381	120 576	41 386	161 962	-36 664	28 083	-8 581
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2014	-2.4	1.8	-0.6	-1.0	1.2	-0.5			
2015	-2.2	2.5	-0.1	-2.6	5.4	-0.6			
2016	4.3	10.7	7.2	6.7	9.9	7.5			
2017	13.3	7.4	10.6	10.3	6.0	9.2			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2015 Q1	-2.4	0.4	-1.2	-2.0	2.7	-0.9			
Q2	2.7	-2.0	0.6	-4.5	3.0	-2.6			
Q3	-4.2	-	-2.4	-1.9	0.1	-1.4			
Q4	0.3	4.0	2.0	1.7	2.5	1.9			
2016 Q1	-0.6	2.3	0.7	1.2	0.6	1.0			
Q2	4.8	2.1	3.5	2.8	3.5	3.0			
Q3	0.5	3.3	1.8	8.0	4.2	7.0			
Q4	8.9	9.3	9.1	0.5	6.3	2.0			
2017 Q1	2.8	-1.5	0.8	3.8	-1.7	2.3			
Q2	1.6	-1.1	0.4	0.7	-0.4	0.4			
Q3	2.0	-	1.1	1.4	0.8	1.2			
Q4	-0.3	3.3	1.3	0.5	0.5	0.5			
2018 Q1	1.6	-2.0	-	-1.9	1.0	-1.2			
Q2	-3.6	0.1	-2.0	2.0	-1.6	1.0			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2015 Q1	-2.4	6.0	1.2	3.1	0.2	2.4			
Q2	-0.2	-0.1	-0.1	-2.3	6.5	-0.1			
Q3	-2.5	1.9	-0.6	-4.2	6.3	-1.7			
Q4	-3.7	2.3	-1.0	-6.6	8.6	-3.0			
2016 Q1	-1.8	4.2	0.9	-3.6	6.3	-1.1			
Q2	0.1	8.6	3.8	3.8	6.8	4.6			
Q3	5.1	12.2	8.3	14.3	11.1	13.4			
Q4	14.0	17.9	15.8	13.0	15.2	13.6			
2017 Q1	17.8	13.5	15.8	15.9	12.6	15.0			
Q2	14.3	10.0	12.3	13.4	8.4	12.1			
Q3	15.9	6.5	11.6	6.4	4.9	6.0			
Q4	6.1	0.7	3.6	6.4	-0.9	4.4			
2018 Q1	4.9	0.3	2.8	0.6	1.9	0.9			
Q2	-0.5	1.4	0.4	1.9	0.6	1.6			

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

H2 Exports and imports of goods and services

Chained volume measures

Reference year 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2014	284 057	244 347	527 797	398 337	140 870	539 475	-11 678
2015	302 991	248 177	551 228	415 878	153 347	569 120	-17 892
2016	299 073	257 888	556 961	431 725	156 123	587 848	-30 887
2017	319 165	267 769	586 934	449 333	157 552	606 885	-19 951
Seasonally adjusted							
2015 Q1	74 162	62 798	136 932	106 418	36 824	143 349	-6 417
Q2	76 669	61 258	138 061	102 034	38 422	140 387	-2 326
Q3	75 641	61 062	136 744	102 319	38 547	140 793	-4 049
Q4	76 519	63 059	139 491	105 107	39 554	144 591	-5 100
2016 Q1	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	78 084	67 098	145 182	111 596	39 297	150 893	-5 711
Q2	79 782	66 203	145 985	112 461	39 087	151 548	-5 563
Q3	81 462	65 718	147 180	112 777	39 585	152 362	-5 182
Q4	79 837	68 750	148 587	112 499	39 583	152 082	-3 495
2018 Q1	81 478	67 179	148 657	111 453	40 378	151 831	-3 174
Q2	76 889	66 455	143 344	111 224	39 364	150 588	-7 244
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2014	2.6	1.9	2.3	3.6	4.5	3.8	
2015	6.7	1.6	4.4	4.4	8.9	5.5	
2016	-1.3	3.9	1.0	3.8	1.8	3.3	
2017	6.7	3.8	5.4	4.1	0.9	3.2	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2015 Q1	1.7	0.4	1.2	1.6	3.8	2.2	
Q2	3.4	-2.5	0.8	-4.1	4.3	-2.1	
Q3	-1.3	-0.3	-1.0	0.3	0.3	0.3	
Q4	1.2	3.3	2.0	2.7	2.6	2.7	
2016 Q1	-2.2	0.7	-0.9	0.4	-2.8	-0.4	
Q2	0.9	1.0	0.9	0.5	1.0	0.6	
Q3	-4.2	-2.2	-3.2	4.4	-0.4	3.1	
Q4	5.8	7.4	6.6	-1.1	3.9	0.2	
2017 Q1	2.1	-0.5	0.8	2.0	-2.2	0.9	
Q2	2.2	-1.3	0.6	0.8	-0.5	0.4	
Q3	2.1	-0.7	0.8	0.3	1.3	0.5	
Q4	-2.0	4.6	1.0	-0.2	-	-0.2	
2018 Q1	2.1	-2.3	-	-0.9	2.0	-0.2	
Q2	-5.6	-1.1	-3.6	-0.2	-2.5	-0.8	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2015 Q1	5.9	5.2	5.7	10.1	3.3	8.3	
Q2	8.3	-1.0	4.2	4.1	11.2	5.9	
Q3	7.6	1.4	4.8	3.4	9.5	4.9	
Q4	5.0	0.8	3.1	0.4	11.5	3.0	
2016 Q1	0.9	1.1	1.0	-0.8	4.4	0.4	
Q2	-1.6	4.8	1.1	4.0	1.1	3.2	
Q3	-4.4	2.8	-1.2	8.2	0.3	6.1	
Q4	-	6.9	3.3	4.1	1.6	3.5	
2017 Q1	4.4	5.7	5.0	5.7	2.2	4.8	
Q2	5.7	3.2	4.6	6.0	0.6	4.6	
Q3	12.7	4.7	8.9	1.9	2.4	2.0	
Q4	4.4	2.0	3.2	2.8	-1.5	1.7	
2018 Q1	4.3	0.1	2.4	-0.1	2.8	0.6	
Q2	-3.6	0.4	-1.8	-1.1	0.7	-0.6	

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

Gross value added at basic prices: individual measures

	£ million				Index numbers (2016 = 100)				
	Expenditure-based estimate at chained volume measures	At current prices			Value indices at current prices		Chained volume indices		
		Expenditure-based estimate	Income-based estimate	Residual error ¹	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate ²	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2014	1 680 700	1 645 955	1 645 955	–	93.7	93.7	95.7	95.7	95.7
2015	1 723 523	1 692 039	1 692 039	–	96.4	96.4	98.1	98.1	98.1
2016	1 756 045	1 756 045	1 756 045	–	100.0	100.0	100.0	100.0	100.0
2017	1 793 349	1 823 760	1 811 454	12 306	103.9	103.2	102.1	101.4	102.1
Seasonally adjusted									
2015 Q1	427 535	417 518	417 518	–	95.1	95.1	97.4	97.4	97.4
Q2	430 425	424 503	424 503	–	96.7	96.7	98.0	98.0	98.0
Q3	431 718	423 920	423 920	–	96.6	96.6	98.3	98.3	98.3
Q4	433 845	426 098	426 098	–	97.1	97.1	98.8	98.8	98.8
2016 Q1	435 169	432 659	432 659	–	98.6	98.6	99.1	99.1	99.1
Q2	437 116	436 513	436 513	–	99.4	99.4	99.6	99.6	99.6
Q3	439 892	440 577	440 577	–	100.4	100.4	100.2	100.2	100.2
Q4	443 868	446 296	446 296	–	101.7	101.7	101.1	101.1	101.1
2017 Q1	446 142	451 903	450 076	1 827	102.9	102.5	101.6	101.2	101.6
Q2	447 362	454 331	451 515	2 816	103.5	102.8	101.9	101.3	101.9
Q3	449 084	456 225	452 624	3 601	103.9	103.1	102.3	101.5	102.3
Q4	450 761	461 301	457 239	4 062	105.1	104.2	102.7	101.8	102.7
2018 Q1	451 860	466 781	462 653	4 128	106.3	105.4	102.9	102.0	103.0
Q2	453 525	468 792	464 604	4 188	106.8	105.8	103.3	102.4	103.3
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2014	3.4	4.6	4.6		4.6	4.6	3.4	3.4	3.4
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.9	3.8	3.8		3.8	3.8	1.9	1.9	1.9
2017	2.1	3.9	3.2		3.9	3.2	2.1	1.4	2.1
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2015 Q1	0.3	0.7	0.7		0.7	0.7	0.3	0.3	0.3
Q2	0.7	1.7	1.7		1.7	1.7	0.7	0.7	0.7
Q3	0.3	–0.1	–0.1		–0.1	–0.1	0.3	0.3	0.3
Q4	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5
2016 Q1	0.3	1.5	1.5		1.5	1.5	0.3	0.3	0.3
Q2	0.4	0.9	0.9		0.9	0.9	0.4	0.4	0.4
Q3	0.6	0.9	0.9		0.9	0.9	0.6	0.6	0.6
Q4	0.9	1.3	1.3		1.3	1.3	0.9	0.9	0.9
2017 Q1	0.5	1.3	0.8		1.3	0.8	0.5	0.1	0.5
Q2	0.3	0.5	0.3		0.5	0.3	0.3	0.1	0.3
Q3	0.4	0.4	0.2		0.4	0.2	0.4	0.2	0.4
Q4	0.4	1.1	1.0		1.1	1.0	0.4	0.3	0.4
2018 Q1	0.2	1.2	1.2		1.2	1.2	0.2	0.2	0.2
Q2	0.4	0.4	0.4		0.4	0.4	0.4	0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2015 Q1	3.3	3.2	3.2		3.2	3.2	3.3	3.3	3.3
Q2	2.9	3.3	3.3		3.3	3.3	2.9	2.9	2.9
Q3	2.2	2.0	2.0		2.0	2.0	2.2	2.2	2.2
Q4	1.8	2.8	2.8		2.8	2.8	1.8	1.8	1.8
2016 Q1	1.8	3.6	3.6		3.6	3.6	1.8	1.8	1.8
Q2	1.6	2.8	2.8		2.8	2.8	1.6	1.6	1.6
Q3	1.9	3.9	3.9		3.9	3.9	1.9	1.9	1.9
Q4	2.3	4.7	4.7		4.7	4.7	2.3	2.3	2.3
2017 Q1	2.5	4.4	4.0		4.4	4.0	2.5	2.1	2.5
Q2	2.3	4.1	3.4		4.1	3.4	2.3	1.7	2.3
Q3	2.1	3.6	2.7		3.6	2.7	2.1	1.3	2.1
Q4	1.6	3.4	2.5		3.4	2.5	1.6	0.7	1.6
2018 Q1	1.3	3.3	2.8		3.3	2.8	1.3	0.8	1.3
Q2	1.4	3.2	2.9		3.2	2.9	1.4	1.1	1.4

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

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

M Alignment adjustments

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
Seasonally adjusted			
2015 Q1	DMUN 1 832	DMUM 1 878	DMUQ 1 090
Q2	223	223	831
Q3	-1 721	-1 757	-1 054
Q4	-334	-345	-867
2016 Q1	-84	-86	1 912
Q2	-900	-903	-1 681
Q3	1 981	1 977	-1 987
Q4	-997	-988	1 756
2017 Q1	-911	-897	3 775
Q2	-1 388	-1 362	-1 205
Q3	1 860	1 828	-2 336
Q4	439	431	-234
2018 Q1	-2 939	-2 849	1 765
Q2	1 302	1 261	-732

N Selected financial year variables 1,2

£ millions except deflator index which is 2017/2018 = 100

	Current prices					Chained Volume Measures (reference year 2016)				
	Gross domestic product at market prices	Gross domestic product at market prices non seasonally adjusted	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Gross domestic product at market prices	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Implied GDP deflator at market prices ^{3 4}
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2014/15	1 857 707	1 855 049	1 658 747	357 598	50 607	1 902 961	1 694 186	361 079	51 589	95.4108
2015/16	1 913 870	1 912 472	1 707 180	362 579	49 784	1 944 905	1 731 157	366 806	50 492	96.1733
2016/17	1 990 213	1 989 162	1 774 655	369 097	53 127	1 978 205	1 766 394	367 432	52 690	98.3229
2017/18	2 054 516	2 056 207	1 833 950	374 541	54 237	2 007 918	1 794 488	368 533	52 880	100.0000
Seasonally adjusted										
2015 Q1	467 295	469 120	417 518	90 075	13 342	479 734	427 535	90 461	13 411	95.1995
Q2	475 229	469 103	424 503	89 420	13 002	482 464	430 425	91 291	13 297	96.2680
Q3	475 541	472 366	423 920	91 090	12 360	484 552	431 718	91 806	12 562	95.9161
Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	95.6557
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	96.8536
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	97.5328
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	97.9149
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	98.6203
2017 Q1	506 015	505 391	451 269	92 749	13 155	498 417	445 518	91 502	12 833	99.2235
Q2	508 227	505 103	453 384	93 470	13 616	499 477	446 431	91 950	13 468	99.4458
Q3	510 906	508 066	455 066	92 932	13 594	501 232	447 947	91 824	13 316	99.6200
Q4	515 503	522 091	460 035	93 481	13 869	503 014	449 526	92 204	13 468	100.1602
2018 Q1	519 880	520 947	465 465	94 658	13 158	504 195	450 584	92 555	12 628	100.7740
Q2	523 745	517 850	467 446	95 435	13 869	506 029	452 225	92 940	13 484	101.1553
Percentage change, latest financial year on previous financial year										
2014/15	4.2	4.1	4.3	2.2	3.3	2.9	3.5	1.9	1.5	1.3
2015/16	3.0	3.1	2.9	1.4	-1.6	2.2	2.2	1.6	-2.1	0.8
2016/17	4.0	4.0	4.0	1.8	6.7	1.7	2.0	0.2	4.4	2.2
2017/18	3.2	3.4	3.3	1.5	2.1	1.5	1.6	0.3	0.4	1.7
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2015 Q1	0.5	-0.3	0.7	0.3	2.5	0.4	0.3	0.5	1.6	0.1
Q2	1.7	-	1.7	-0.7	-2.5	0.6	0.7	0.9	-0.9	1.1
Q3	0.1	0.7	-0.1	1.9	-4.9	0.4	0.3	0.6	-5.5	-0.4
Q4	0.5	2.7	0.5	-0.7	-0.5	0.7	0.5	-0.2	-1.4	-0.3
2016 Q1	1.6	0.1	1.5	1.3	-1.4	0.3	0.3	0.4	-1.2	1.3
Q2	0.9	0.2	0.9	-0.1	8.1	0.2	0.4	-0.1	8.4	0.7
Q3	0.9	0.8	0.9	0.5	2.7	0.5	0.6	-	2.5	0.4
Q4	1.5	3.2	1.3	0.8	-0.4	0.7	0.9	-	-4.6	0.7
2017 Q1	1.0	-0.2	1.1	-	-1.8	0.4	0.4	-0.5	-1.1	0.6
Q2	0.4	-0.1	0.5	0.8	3.5	0.2	0.2	0.5	4.9	0.2
Q3	0.5	0.6	0.4	-0.6	-0.2	0.4	0.3	-0.1	-1.1	0.2
Q4	0.9	2.8	1.1	0.6	2.0	0.4	0.4	0.4	1.1	0.5
2018 Q1	0.8	-0.2	1.2	1.3	-5.1	0.2	0.2	0.4	-6.2	0.6
Q2	0.7	-0.6	0.4	0.8	5.4	0.4	0.4	0.4	6.8	0.4
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2015 Q1	3.0	2.3	3.2	0.6	-1.4	2.7	3.3	1.0	-3.0	0.3
Q2	3.2	3.0	3.3	2.0	10.3	2.4	2.9	1.2	9.1	0.7
Q3	2.3	2.7	2.0	1.1	-0.8	2.1	2.2	1.6	-1.8	0.2
Q4	2.8	3.1	2.8	0.7	-5.5	2.2	1.8	1.8	-6.2	0.5
2016 Q1	3.9	3.5	3.6	1.7	-9.1	2.1	1.8	1.7	-8.7	1.7
Q2	3.0	3.7	2.8	2.4	0.8	1.7	1.6	0.7	-0.2	1.3
Q3	3.8	3.9	3.9	1.0	8.9	1.7	1.9	0.2	8.3	2.1
Q4	4.9	4.4	4.7	2.6	9.0	1.7	2.3	0.4	4.7	3.1
2017 Q1	4.3	4.0	4.3	1.2	8.5	1.8	2.4	-0.6	4.8	2.4
Q2	3.8	3.8	3.9	2.1	3.9	1.8	2.1	-	1.4	2.0
Q3	3.5	3.5	3.3	1.0	1.0	1.7	1.8	-0.2	-2.1	1.7
Q4	2.9	3.1	3.1	0.8	3.5	1.3	1.3	0.2	3.8	1.6
2018 Q1	2.7	3.1	3.1	2.1	-	1.2	1.1	1.2	-1.6	1.6
Q2	3.1	2.5	3.1	2.1	1.9	1.3	1.3	1.1	0.1	1.7

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 2017/2018 = 100 for presentational purposes, whereas in table A1 it is expressed as 2016 = 100.

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

O Selected implied deflators¹

2017 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2014	96.4107	95.7155	96.3028
2015	96.3315	96.1325	96.5371
2016	97.8479	98.1107	98.3314
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2015 Q1	95.9058	95.5700	96.0304
Q2	96.9091	96.6427	96.9814
Q3	96.4893	96.2894	96.5582
Q4	96.0216	96.0279	96.5785
2016 Q1	97.1812	97.2305	97.7672
Q2	97.8239	97.9123	98.1987
Q3	97.9708	98.2959	98.4875
Q4	98.4157	99.0041	98.8723
2017 Q1	99.5024	99.6096	99.6037
Q2	99.7558	99.8328	99.8659
Q3	100.0505	100.0076	99.8972
Q4	100.6914	100.5500	100.6332
2018 Q1	101.0043	101.1662	101.5820
Q2	101.4824	101.5489	101.6441
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2014	1.2	1.7	1.2
2015	-0.1	0.4	0.2
2016	1.6	2.1	1.9
2017	2.2	1.9	1.7
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2015 Q1	-0.2	0.1	0.4
Q2	1.0	1.1	1.0
Q3	-0.4	-0.4	-0.4
Q4	-0.5	-0.3	-
2016 Q1	1.2	1.3	1.2
Q2	0.7	0.7	0.4
Q3	0.2	0.4	0.3
Q4	0.5	0.7	0.4
2017 Q1	1.1	0.6	0.7
Q2	0.3	0.2	0.3
Q3	0.3	0.2	-
Q4	0.6	0.5	0.7
2018 Q1	0.3	0.6	0.9
Q2	0.5	0.4	0.1
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2015 Q1	-0.2	0.3	-0.1
Q2	0.2	0.7	0.3
Q3	-0.2	0.2	-0.2
Q4	-0.1	0.5	0.9
2016 Q1	1.3	1.7	1.8
Q2	0.9	1.3	1.3
Q3	1.5	2.1	2.0
Q4	2.5	3.1	2.4
2017 Q1	2.4	2.4	1.9
Q2	2.0	2.0	1.7
Q3	2.1	1.7	1.4
Q4	2.3	1.6	1.8
2018 Q1	1.5	1.6	2.0
Q2	1.7	1.7	1.8

1 Implied deflator is expressed in terms of 2017 = 100, whereas in table A1 it is expressed as 2016 = 100.

2 Data are only considered accurate to 1 decimal place.

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

P GDP Per Head¹

£

	UK resident population mid-year estimates (persons thousands) ²	Current Prices		Chained volume measures (Reference year 2016)	
		Gross domestic product at market prices ³	Gross domestic product per head	Gross domestic product at market prices ³	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2014	64 597	1 844 295	28 551	1 890 493	29 266
2015	65 110	1 895 839	29 117	1 934 903	29 717
2016	65 648	1 969 524	30 001	1 969 524	30 001
2017	66 040	2 040 651	30 900	2 002 140	30 317
Seasonally adjusted					
2015 Q1	64 982	467 295	7 191	479 734	7 383
Q2	65 110	475 229	7 299	482 464	7 410
Q3	65 245	475 541	7 289	484 552	7 427
Q4	65 379	477 774	7 308	488 153	7 467
2016 Q1	65 514	485 326	7 408	489 736	7 475
Q2	65 648	489 494	7 456	490 502	7 472
Q3	65 746	493 730	7 510	492 816	7 496
Q4	65 844	500 974	7 608	496 470	7 540
2017 Q1	65 942	506 015	7 674	498 417	7 558
Q2	66 040	508 227	7 696	499 477	7 563
Q3	66 146	510 906	7 724	501 232	7 578
Q4	66 253	515 503	7 781	503 014	7 592
2018 Q1	66 359	519 880	7 834	504 195	7 598
Q2	66 466	523 745	7 880	506 029	7 613
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2014		4.7	3.9	2.9	2.2
2015		2.8	2.0	2.3	1.5
2016		3.9	3.0	1.8	1.0
2017		3.6	3.0	1.7	1.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2015 Q1		0.5	0.3	0.4	0.3
Q2		1.7	1.5	0.6	0.4
Q3		0.1	-0.1	0.4	0.2
Q4		0.5	0.3	0.7	0.5
2016 Q1		1.6	1.4	0.3	0.1
Q2		0.9	0.6	0.2	-
Q3		0.9	0.7	0.5	0.3
Q4		1.5	1.3	0.7	0.6
2017 Q1		1.0	0.9	0.4	0.2
Q2		0.4	0.3	0.2	0.1
Q3		0.5	0.4	0.4	0.2
Q4		0.9	0.7	0.4	0.2
2018 Q1		0.8	0.7	0.2	0.1
Q2		0.7	0.6	0.4	0.2
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2015 Q1		3.0	2.1	2.7	1.9
Q2		3.2	2.3	2.4	1.6
Q3		2.3	1.5	2.1	1.3
Q4		2.8	1.9	2.2	1.4
2016 Q1		3.9	3.0	2.1	1.2
Q2		3.0	2.2	1.7	0.8
Q3		3.8	3.0	1.7	0.9
Q4		4.9	4.1	1.7	1.0
2017 Q1		4.3	3.6	1.8	1.1
Q2		3.8	3.2	1.8	1.2
Q3		3.5	2.8	1.7	1.1
Q4		2.9	2.3	1.3	0.7
2018 Q1		2.7	2.1	1.2	0.5
Q2		3.1	2.4	1.3	0.7

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^{1,2}

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2015	L3BB 1.1	L3BG 1.2	L3BH 8.0	L3BN -	L3DM 1.0	L3DQ 3.4	L3DW 4.4	L3E2 2.7	L3GP 4.5	KI8L 4.1	KI8N 2.6	KI8P 0.9
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	-
2017	2.9	1.8	0.3	2.5	-1.7	2.7	7.1	1.8	2.1	4.2	2.0	0.2
Contributions to growth												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2015	-	0.2	0.1	-	-	-	0.3	2.1	0.6	0.4	0.9	0.2
2016	-	0.1	-	-	-	0.1	0.2	1.5	0.5	0.4	0.7	-
2017	-	0.3	-	0.3	-	-	0.4	1.4	0.3	0.4	0.7	0.1
Percentage change, latest quarter on previous quarter												
Growth												
2015 Q4	L3BB -1.7	L3BG -0.6	L3BH -2.0	L3BN -0.2	L3DM -2.4	L3DQ 0.3	L3DW 1.5	L3E2 0.6	L3GP 1.0	KI8L 0.6	KI8N 0.7	KI8P 0.3
2016 Q1	-3.7	0.1	-1.9	-0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.5	-0.2
Q2	-1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.3	-0.4
Q3	-0.2	-0.4	5.1	-0.5	-3.9	0.1	1.1	0.8	0.9	2.9	0.7	-0.1
Q4	0.6	0.6	-7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.5	0.1
2017 Q1	2.0	0.3	3.5	0.5	-3.9	2.2	3.2	0.3	-0.3	0.1	0.7	0.3
Q2	0.5	0.2	0.3	0.2	0.5	-0.7	0.4	0.3	0.4	0.9	0.1	0.2
Q3	0.8	1.1	2.1	1.0	2.2	-0.9	0.4	0.3	0.4	0.5	0.5	-0.2
Q4	-0.3	0.7	-4.8	1.4	-0.1	1.2	0.3	0.4	-0.1	1.4	0.5	-0.2
2018 Q1	-1.5	0.4	2.5	-0.1	1.4	1.7	-0.8	0.3	0.1	0.1	0.5	0.3
Q2	-	-0.8	0.7	-0.9	-2.7	1.9	0.9	0.5	1.1	1.3	0.2	0.3
Contributions to growth												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2015 Q4	-	-0.1	-	-	-	-	0.1	0.5	0.1	0.1	0.2	0.1
2016 Q1	-	-	-	-	-	-	-	0.3	0.2	-	0.2	-0.1
Q2	-	0.3	-	0.1	0.1	-	0.1	0.1	0.1	-	0.1	-0.1
Q3	-	-0.1	0.1	-0.1	-0.1	-	0.1	0.6	0.1	0.3	0.2	-
Q4	-	0.1	-0.1	0.1	-	-	0.2	0.6	0.2	0.2	0.2	-
2017 Q1	-	-	-	-	-0.1	-	0.2	0.3	-	-	0.2	0.1
Q2	-	-	-	-	-	-	-	0.2	0.1	0.1	-	-
Q3	-	0.1	-	0.1	-	-	-	0.2	0.1	0.1	0.2	-
Q4	-	0.1	-0.1	0.1	-	-	-	0.3	-	0.2	0.2	-
2018 Q1	-	0.1	-	-	-	-	-0.1	0.2	-	-	0.2	0.1
Q2	-	-0.1	-	-0.1	-	-	0.1	0.4	0.1	0.1	0.1	0.1
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2015 Q4	L3ZZ -2.6	L426 0.3	L427 7.6	L42D -1.1	L44C -1.0	L44G 5.1	L44M 3.3	L44Q 2.0	L47F 3.9	KII2 2.8	KIH9 2.0	KIH8 0.5
2016 Q1	-5.0	-0.1	3.3	-1.1	-1.4	6.8	2.5	2.1	3.9	2.6	2.1	0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.0	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	2.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	1.9	-0.5
2017 Q1	1.4	2.3	2.5	2.5	-1.2	5.8	9.2	2.1	2.9	5.0	2.2	-
Q2	3.0	0.6	0.5	1.5	-5.0	2.2	7.8	2.2	2.8	5.7	2.0	0.5
Q3	4.1	2.1	-2.3	3.0	1.1	1.2	7.0	1.7	2.3	3.3	1.9	0.4
Q4	3.1	2.3	0.9	3.1	-1.4	1.8	4.4	1.3	0.5	2.9	1.9	0.1
2018 Q1	-0.4	2.4	-0.1	2.5	4.1	1.3	0.3	1.2	0.9	2.9	1.6	0.1
Q2	-1.0	1.4	0.3	1.3	0.8	3.9	0.8	1.5	1.5	3.4	1.7	0.2
Contributions to growth												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2015 Q4	-	-	0.1	-0.1	-	0.1	0.2	1.6	0.5	0.3	0.7	0.1
2016 Q1	-	-	-	-0.1	-	0.1	0.1	1.7	0.5	0.3	0.7	0.2
Q2	-	0.1	-	-	0.1	0.1	0.2	1.3	0.4	0.2	0.7	-
Q3	-	0.1	-	-	-	0.1	0.3	1.5	0.5	0.4	0.7	-0.1
Q4	-	0.3	-	0.2	0.1	0.1	0.4	1.7	0.6	0.6	0.6	-0.1
2017 Q1	-	0.3	-	0.2	-	0.1	0.5	1.6	0.4	0.5	0.7	-
Q2	-	0.1	-	0.1	-0.1	-	0.5	1.8	0.4	0.6	0.7	0.1
Q3	-	0.3	-	0.3	-	-	0.4	1.4	0.3	0.4	0.6	0.1
Q4	-	0.3	-	0.3	-	-	0.3	1.0	0.1	0.3	0.6	-
2018 Q1	-	0.3	-	0.3	0.1	-	-	1.0	0.1	0.3	0.5	-
Q2	-	0.2	-	0.1	-	-	-	1.2	0.2	0.4	0.6	0.1

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^{1,2}

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	Households	Non-profit institutions ³	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5	
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3	
2017	1.9	-0.5	-0.1	0.8	3.4	1.6	5.4	3.2	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2015	1.7	-	0.3	0.8	0.6	0.4	1.3	1.6	-0.4
2016	2.0	-	0.1	0.3	0.4	-	0.3	0.9	-0.7
2017	1.2	-	-	0.1	0.6	0.2	1.5	1.0	0.6
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2015 Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7	
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4	
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6	
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1	
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2	
2017 Q1	0.6	-0.2	-0.5	1.3	1.1	-0.2	0.8	0.9	
Q2	0.4	-0.7	0.5	-0.4	1.6	1.7	0.6	0.4	
Q3	0.3	-0.7	-0.1	1.2	0.4	0.6	0.8	0.5	
Q4	0.3	0.1	0.4	-1.2	0.8	0.2	1.0	-0.2	
2018 Q1	0.2	-0.3	0.4	-0.2	-1.3	-0.4	-	-0.2	
Q2	0.3	0.1	0.4	5.2	0.8	0.5	-3.6	-0.8	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2015 Q4	-	-	-	1.0	0.3	0.2	0.6	0.8	-0.2
2016 Q1	0.7	-	0.1	-0.3	-	-0.2	-0.2	-0.1	-0.1
Q2	0.5	-	-	-0.4	0.3	0.1	0.3	0.2	0.1
Q3	0.8	-	-	1.5	0.2	0.1	-0.9	0.9	-1.8
Q4	-	-	-	-0.9	-0.1	-0.1	1.7	-	1.7
2017 Q1	0.4	-	-0.1	0.2	0.2	-	0.2	0.3	-
Q2	0.2	-	0.1	-0.1	0.3	0.2	0.2	0.1	-
Q3	0.2	-	-	0.2	0.1	0.1	0.2	0.2	0.1
Q4	0.2	-	0.1	-0.2	0.1	-	0.3	-0.1	0.3
2018 Q1	0.2	-	0.1	-	-0.2	-	-	-0.1	0.1
Q2	0.2	-	0.1	0.9	0.1	-	-1.1	-0.3	-0.8
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2015 Q4	2.8	-0.1	1.8	0.8	2.5	2.9	3.1	3.0	
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4	
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2	
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1	
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5	
2017 Q1	2.6	0.9	-0.6	2.0	3.6	1.2	5.0	4.8	
Q2	2.2	-0.4	-	4.1	3.6	2.0	4.6	4.6	
Q3	1.3	-1.1	-0.2	-3.3	2.6	1.1	8.9	2.0	
Q4	1.5	-1.5	0.2	0.8	4.0	2.3	3.2	1.7	
2018 Q1	1.2	-1.6	1.2	-0.8	1.5	2.0	2.4	0.6	
Q2	1.1	-0.7	1.1	4.9	0.7	0.8	-1.8	-0.6	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2015 Q4	1.7	-	0.3	0.1	0.4	0.3	0.9	0.9	-0.1
2016 Q1	2.1	-	0.3	-0.5	0.1	-0.2	0.3	0.1	0.1
Q2	2.0	-	0.1	0.1	0.2	-0.1	0.3	0.9	-0.6
Q3	2.0	-	-	1.7	0.8	0.3	-0.3	1.7	-2.1
Q4	2.0	-	0.1	-0.2	0.4	-	0.9	1.0	-0.1
2017 Q1	1.6	-	-0.1	0.3	0.6	0.1	1.4	1.4	-
Q2	1.4	-	-	0.7	0.6	0.2	1.3	1.4	-
Q3	0.8	-	-	-0.6	0.4	0.1	2.4	0.6	1.8
Q4	1.0	-	-	0.1	0.7	0.2	0.9	0.5	0.4
2018 Q1	0.7	-	0.2	-0.1	0.3	0.2	0.7	0.2	0.5
Q2	0.7	-	0.2	0.8	0.1	0.1	-0.5	-0.2	-0.3

1 Estimates are accurate to 1 decimal place

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

3 Non-profit institutions serving households

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

Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations ³	Other income ⁴	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Growth				
	KGI3	KH4V	KH6T	KH65
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.1	3.0	1.1	2.8
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2015	1.5	-	0.9	0.3
2016	1.8	1.0	0.6	0.5
2017	2.0	0.7	0.2	0.3
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2015 Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.9	-	-0.9
Q2	1.1	-2.4	0.7	1.5
Q3	0.9	-1.1	0.3	1.4
Q4	1.1	1.3	0.7	-0.9
2018 Q1	1.1	1.5	1.4	-2.3
Q2	0.6	-1.3	1.2	4.4
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2015 Q4	0.2	0.1	0.1	-
2016 Q1	-0.4	1.8	-	0.1
Q2	1.5	-1.1	0.3	0.2
Q3	1.0	-0.1	-	-
Q4	-0.1	1.4	-	0.3
2017 Q1	0.4	0.4	-	-0.1
Q2	0.5	-0.5	0.1	0.2
Q3	0.4	-0.2	0.1	0.2
Q4	0.5	0.3	0.1	-0.1
2018 Q1	0.5	0.3	0.2	-0.3
Q2	0.3	-0.3	0.2	0.5
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2015 Q4	3.4	-1.2	6.1	2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	3.0	1.2	2.8
Q2	3.8	5.2	0.4	3.0
Q3	2.7	4.5	0.8	4.3
Q4	4.1	-0.3	1.8	1.1
2018 Q1	4.3	-0.7	3.2	-0.3
Q2	3.8	0.4	3.7	2.5
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2015 Q4	1.7	-0.3	1.0	0.4
2016 Q1	1.1	1.3	0.9	0.6
Q2	2.0	-0.3	0.8	0.5
Q3	2.3	0.8	0.4	0.3
Q4	2.0	2.1	0.3	0.6
2017 Q1	2.8	0.7	0.2	0.3
Q2	1.9	1.1	0.1	0.4
Q3	1.4	1.0	0.1	0.5
Q4	2.0	-0.1	0.3	0.1
2018 Q1	2.1	-0.2	0.5	-
Q2	1.9	0.1	0.6	0.3

1 Estimates are accurate to 1 decimal place

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

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

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

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							less Total imports
	House- holds	Non-prof- it instit- utions ²	General govern- ment	Gross capital formation	Gross fixed capital formation	Total exports		
Percentage change, latest year on previous year								
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99	
2015	0.5	0.8	-0.3	-2.0	1.1	-4.4	-5.8	
2016	1.5	0.5	1.2	2.5	1.4	6.1	4.1	
2017	2.1	1.6	1.4	3.4	2.4	4.9	5.8	
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T	
2015 Q4	1.0	-	-0.6	-5.8	0.1	-	-0.8	
2016 Q1	0.2	-	0.9	5.5	0.2	1.6	1.4	
Q2	0.4	-0.2	-	2.5	0.6	2.6	2.4	
Q3	0.1	0.6	0.5	-0.3	0.4	5.1	3.8	
Q4	1.0	0.2	0.8	-1.9	1.0	2.3	1.9	
2017 Q1	0.8	0.4	0.5	2.9	0.7	-	1.4	
Q2	0.2	0.7	0.3	0.4	-	-0.2	-	
Q3	-	0.5	-0.4	1.9	0.8	0.3	0.7	
Q4	0.8	-	0.2	0.8	0.6	0.3	0.7	
2018 Q1	1.0	0.4	0.9	-2.9	0.5	-0.1	-1.0	
Q2	0.1	-0.2	0.4	2.2	0.1	1.7	1.9	
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92	
2015 Q4	0.7	0.2	-1.1	-2.0	0.9	-4.0	-5.9	
2016 Q1	1.1	0.3	-	3.7	0.6	-0.1	-1.6	
Q2	1.3	0.8	1.6	-0.9	1.5	2.7	1.3	
Q3	1.8	0.5	0.9	1.6	1.3	9.6	6.9	
Q4	1.8	0.6	2.2	5.7	2.3	12.1	9.8	
2017 Q1	2.4	1.0	1.8	3.2	2.7	10.3	9.7	
Q2	2.2	1.9	2.1	1.1	2.2	7.4	7.2	
Q3	2.1	1.8	1.1	3.4	2.5	2.4	3.9	
Q4	1.8	1.6	0.6	6.2	2.2	0.4	2.7	
2018 Q1	2.1	1.5	0.9	0.1	2.0	0.4	0.3	
Q2	1.9	0.6	1.0	1.9	2.0	2.2	2.2	

1 Estimates accurate to 1 decimal place

2 Non-profit institutions serving households