

Statistical bulletin

GDP first quarterly estimate, UK: July to September 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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21 December 2018

Notice

9 November 2018

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

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

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

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1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.6% between Quarter 2 (Apr to June) 2018 and Quarter 3 (July to Sept) 2018.
- All four sectors of output contributed positively to growth in Quarter 3 2018, with the largest contribution from the services industries at 0.3 percentage points.
- Household spending grew by 0.5% while business investment fell by 1.2% between Quarter 2 and Quarter 3 2018.
- Net trade contributed 0.8 percentage points to GDP growth in Quarter 3 2018, with a 2.7% rise in exports and flat growth in imports.
- Nominal GDP increased by 1.1%, driven by growth in compensation of employees of 1.3% in Quarter 3 2018.

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 first estimate of quarterly GDP is published 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, we expect 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.

3 . The UK economy grew by 0.6% in Quarter 3 2018

UK gross domestic product (GDP) is estimated to have increased by 0.6% in Quarter 3 (July to Sept) 2018, in line with latest market expectations, including the Bank of England's (BoE) [November 2018 Inflation Report \(PDF, 5 MB\)](#) and the National Institute of Economic and Social Research's (NIESR) [GDP tracker](#).

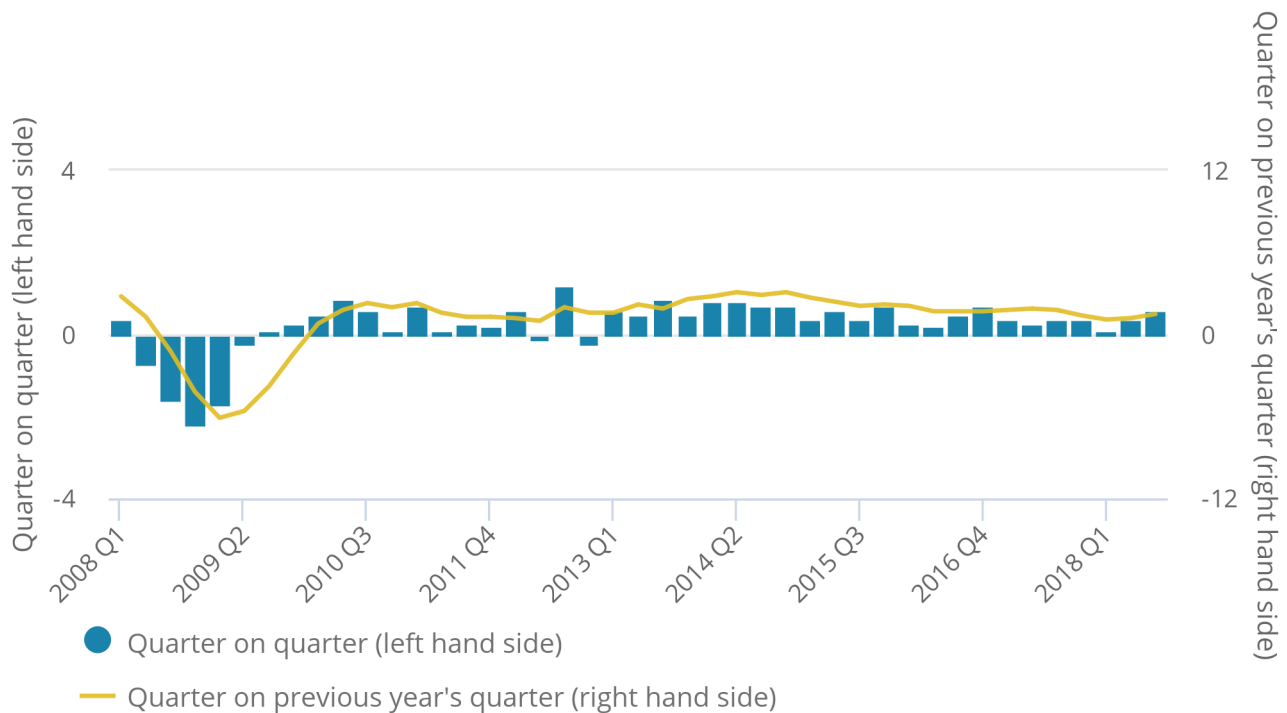
Following a temporary slowdown in the first quarter of the year, GDP increased by 0.4% in Quarter 2 (Apr to June). In comparison with the same quarter in the previous year, the UK economy has grown by 1.5% (Figure 1), continuing its relatively subdued performance over the last year. In line with the [National Accounts Revisions Policy](#), no previous quarters are open for revision as part of this publication.

Figure 1: Real GDP increases by 0.6% in Quarter 3 2018

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 3 (July to Sept) 2018

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UK, Quarter 1 (Jan to Mar) 2008 to Quarter 3 (July to Sept) 2018



Source: Office for National Statistics

Notes:

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

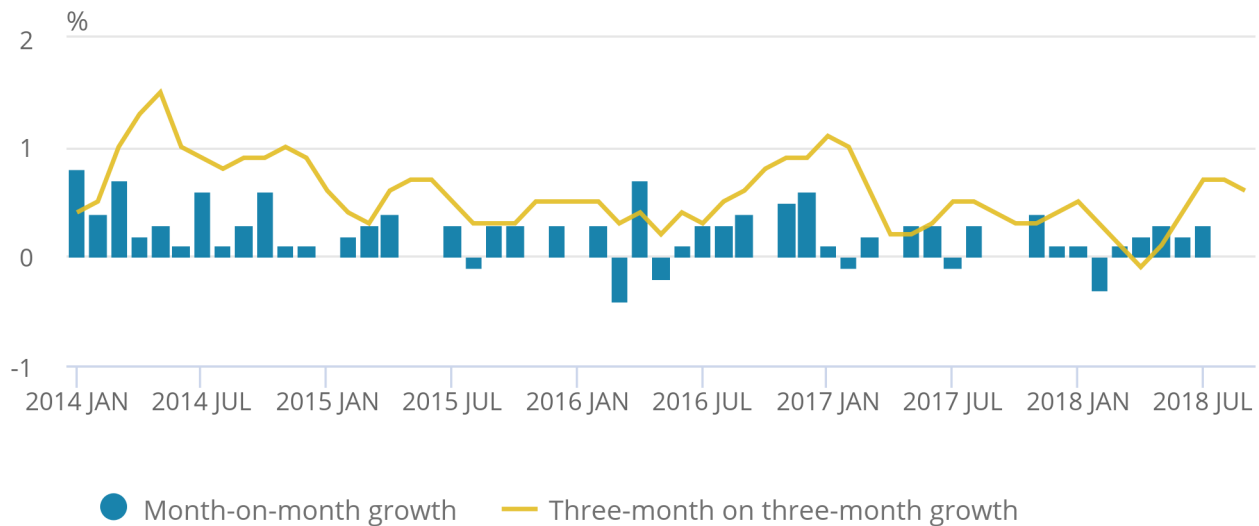
Real GDP growth in Quarter 3 was driven by growth of 0.3% in July 2018, which stemmed from strong retail sales boosted by warm weather and the World Cup, as well as a low base reflecting the weaker start to the year. Month-on-month growth in real GDP has been flat in both August and September 2018, as shown in Figure 2. More information on the monthly path of GDP can be found in the [GDP monthly estimate, UK: September 2018](#) release.

Figure 2: Real GDP in Quarter 3 2018 was driven by relatively strong growth in July 2018

UK, January 2014 to September 2018

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UK, January 2014 to September 2018



Source: Office for National Statistics

Notes:

1. Periods with no columns represent zero growth.

The implied GDP deflator represents the broadest measure of inflation in the domestic economy; it reflects changes in the price of all goods and services that comprise GDP, including the price movements in private and government consumption, investment and the relative price of exports and imports. In the year to Quarter 3 2018, the GDP deflator increased by 2.0%, the same rate seen in the year to Quarter 2. This reflected price growth in most expenditure components.

Growth in the government consumption deflator picked up to 3.4%, the strongest quarter-on-year growth rate since Quarter 3 2009. This was driven by increases to nominal estimates of central government expenditure, particularly on education and health. Volume sources used to inform real estimates remained largely flat leading to an increase in the deflator.

4 . Growth in construction and manufacturing output picks up in Quarter 3 2018, while services growth slows

Growth in the output measure of gross domestic product (GDP) strengthened to 0.6% in Quarter 3 (July to Sept) 2018. Construction output growth continued to pick up following a weak start to the year, while quarterly output in the manufacturing sector rose for the first time in 2018. Growth in services output slowed to 0.4%, but remained the largest positive contributor to GDP growth in Quarter 3.

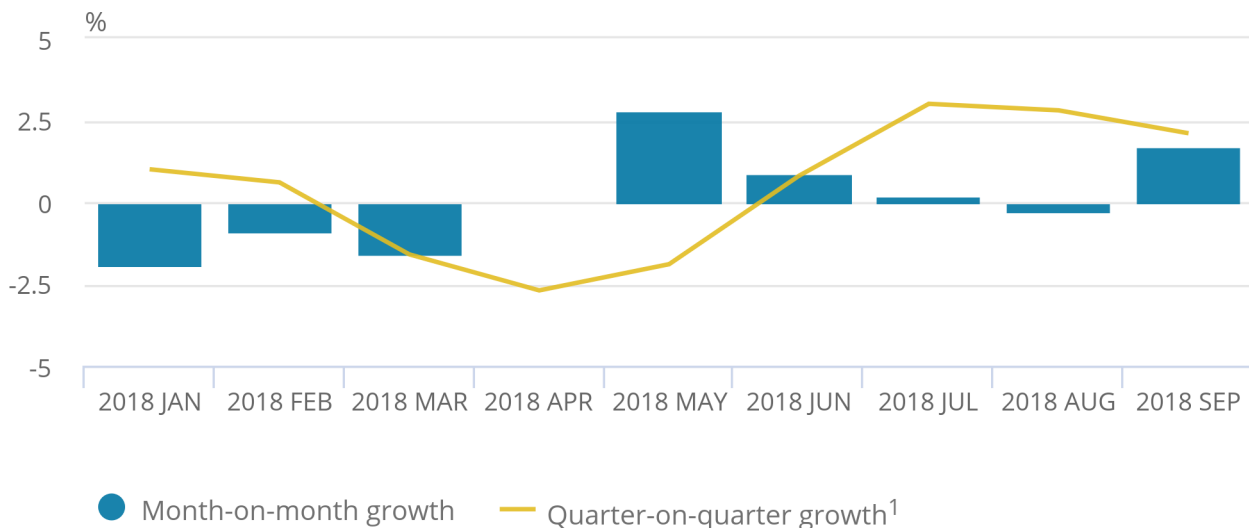
In the construction industry, output continued to recover following a weak start to 2018, which was in part impacted by the adverse weather. Output increased by 2.1% in Quarter 3 2018 – the fastest increase since Quarter 1 (Jan to Mar) 2017. The quarter-on-quarter growth was driven by a 1.7% increase in construction output in September, helped by a 2.8% increase in all new work that more than offset the month-on-month fall of 0.3% in repair and maintenance work. The increase in new work in September 2018 stemmed from notable increases in infrastructure and total new housing work, which contributed 0.90 and 0.85 percentage points to overall construction growth in September 2018 respectively. The pickup in Quarter 3 also reflected base effects in April 2018, where output growth was flat (Figure 3).

Figure 3: The strength in Quarter 3 construction growth stemmed largely from a weak April outturn

UK, January 2018 to September 2018

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UK, January 2018 to September 2018



Source: Office for National Statistics

Notes:

1. Periods with no columns represent zero growth.

Output in the production sector rose by 0.8% in Quarter 3 2018, following a decline of 0.8% in Quarter 2 (Apr to June). While output increased across all four main production sectors, around half of total production growth in Quarter 3 was driven by manufacturing. Following two consecutive quarters of decline in the first half of 2018, manufacturing recovered in Quarter 3 to rise by 0.6%. While this pickup is somewhat at odds with the latest evidence from the Bank of England's [Agents' summary survey](#) – which saw both domestic and export manufacturing output ease in Quarter 3 – it is more in line with the September reading for the Markit [Manufacturing Purchasing Manager's Index \(PMI\)](#), which saw an acceleration in output growth to a four-month high.

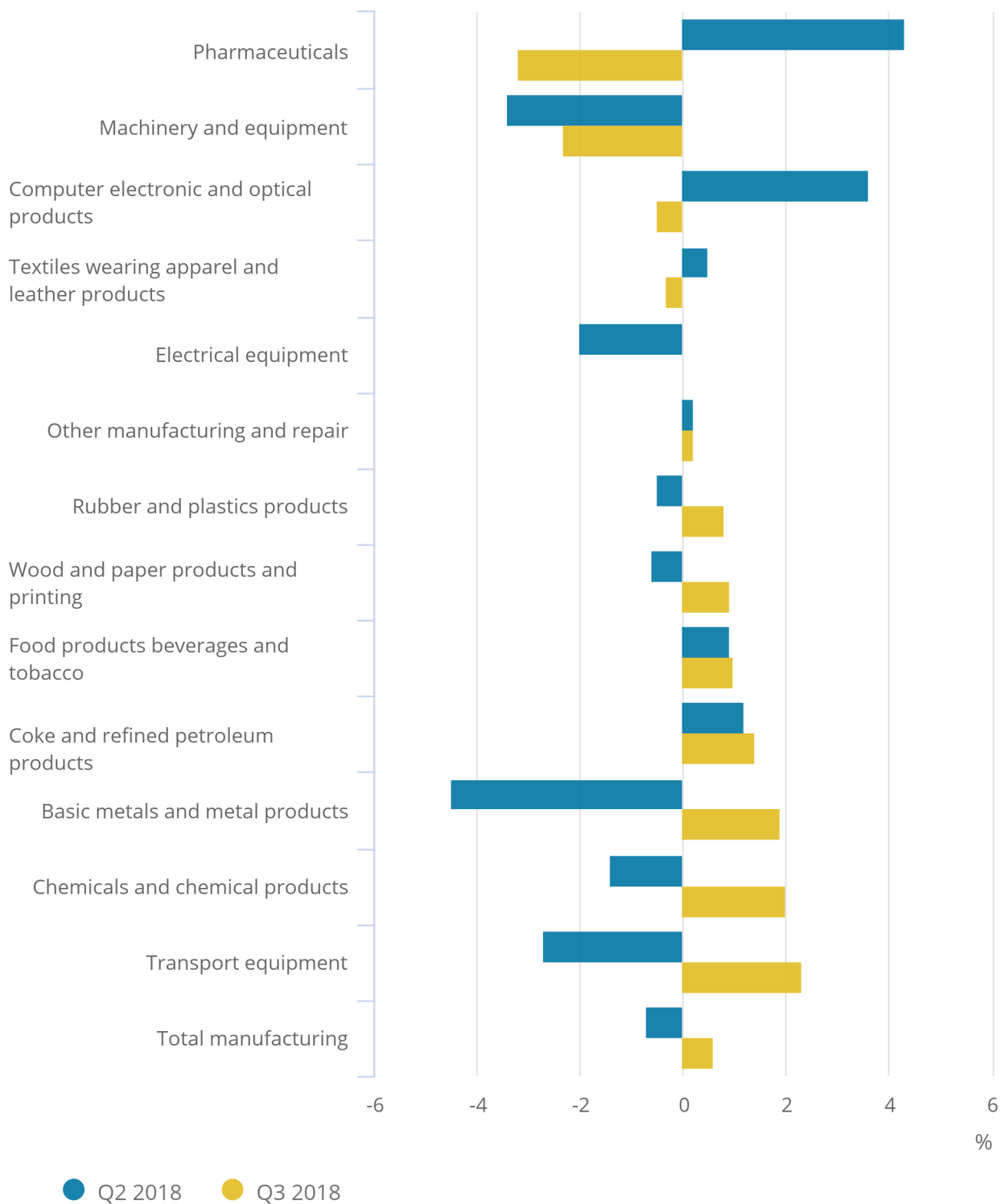
The recovery in manufacturing reflects a pickup across a number of industries following a weak Quarter 2 (Figure 2), although it was predominantly driven by transport equipment and specifically motor vehicle production. Transport equipment rose by 2.3% in Quarter 3, reflecting both a bounce back from a 2.7% fall in the previous quarter and strength in UK car exports in Quarter 3. This is consistent with the [latest trade figures released today](#), which show a 5.8% increase in the export of machinery and transport equipment in Quarter 3, particularly to non-EU countries.

Figure 4: The strength in Quarter 3 manufacturing largely reflected a rebound in growth in a number of industries following a weak Quarter 2

UK, Quarter 2 2018 and Quarter 3 2018

Figure 4: The strength in Quarter 3 manufacturing largely reflected a rebound in growth in a number of industries following a weak Quarter 2

UK, Quarter 2 2018 and Quarter 3 2018



Source: Office for National Statistics

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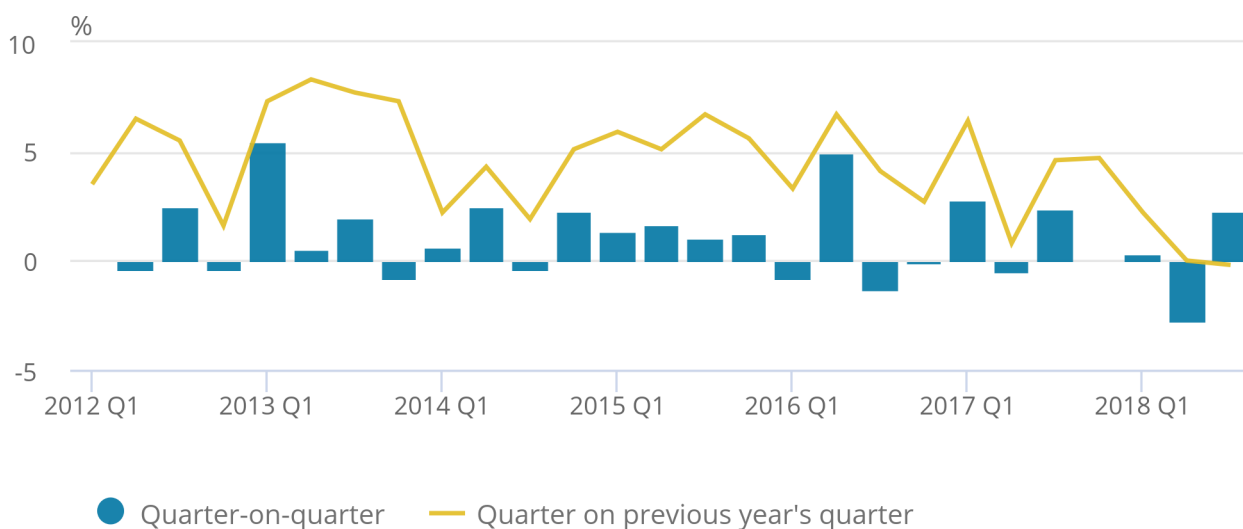
Despite the pickup in the production of transport equipment in the latest quarter, the underlying longer-term trend is one of decline (Figure 5). Compared with the same quarter a year ago, production of transport equipment fell by 0.2% in Quarter 3 2018, marking its first such decline since the global financial crisis. This longer-term weakness in car production in part reflects softer growth in domestic demand, at a time when household real incomes have been squeezed. The weakness in car production is broadly consistent with the latest data from the [Society of Motor Manufacturers and Traders](#) (SMMT), which noted a 16.8% fall in UK car manufacturing in September 2018 compared with the same period in 2017. The SMMT attributed the slowdown to a “turbulent first three quarters as global trade tensions, model changes and uncertainty over diesel and Brexit were exacerbated by testing backlogs due to new emissions regulations”.

Figure 5: The underlying trend in the production of transport equipment is weak, despite a pickup in the latest quarter

UK, Quarter 1 2012 to Quarter 3 2018

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UK, Quarter 1 2012 to Quarter 3 2018



Source: Office for National Statistics

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Meanwhile, output in the energy supply sector rose by 1.9% in Quarter 3. Energy supply production had been heavily affected by weather conditions in the first half of 2018, with production boosted by the cold weather in Quarter 1, followed by some element of bounce back and unusually warm temperatures in Quarter 2. The Quarter 3 outturn sees production in energy supply return to levels broadly in line with those seen at the end of 2017. In other sectors, mining and quarrying output rose for the third consecutive quarter (1.7%) and output in the water and waste management sector rose by 0.3%.

In the services industries, output growth eased to 0.4% in Quarter 3 2018, contributing 0.3 percentage points to growth in GDP. This is in line with average rates seen since the start of 2017, following the relatively strong growth of 0.6% in Quarter 2 2018, which largely reflected a pickup in retail trade, driven by buoyant food and drink sales as consumers took advantage of the warmer weather and the World Cup. The strength in retail trade in Quarter 2 also partly reflected a pickup from the weak start to the year, which was adversely affected by poor weather conditions as consumers stayed indoors and avoided the high street.

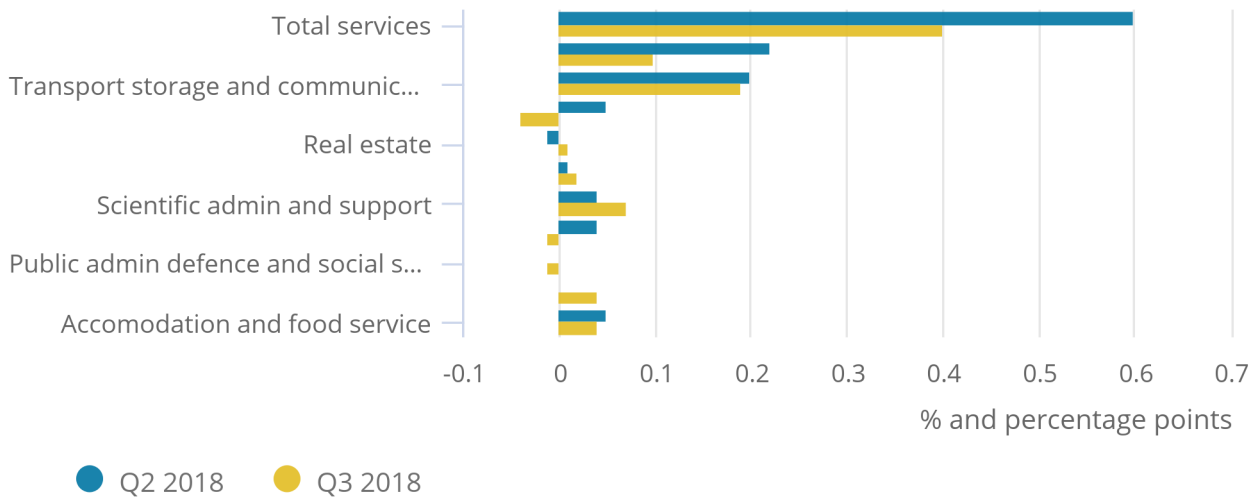
Following solid growth of 2.0% in Quarter 2 2018, growth in retail trade slowed to 1.1% in Quarter 3. While this drove the slowdown in total services growth, the sector still made a positive contribution in Quarter 3 (Figure 6). The overall contribution from the wholesale, retail and motor trades sector was weighed down by weakness in motor trades, which fell by 1.9% in Quarter 3. This marked the weakest quarterly growth rate in motor trade services since Quarter 4 (Oct to Dec) 2012 and continues a declining trend seen since the start of 2016. The slowdown in motor trade services – which measures domestic consumption – appears notably more pronounced than the slowdown in production of transport equipment, suggesting that global demand for UK car exports has helped support production.

Figure 6: The slowdown in Quarter 3 services growth was driven by retail trade, although it still contributed positively

UK, Quarter 2 2018 and Quarter 3 2018

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UK, Quarter 2 2018 and Quarter 3 2018



Source: Office for National Statistics

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In Quarter 3, the largest growth contribution came from the transport, storage and communications sector (0.2 percentage points). Computer programming continues to perform particularly well, with growth strengthening to 2.2% in Quarter 3. Despite growth remaining elevated, there are signs that the recent strength is easing. Compared with the same quarter a year ago, growth slowed for the fifth consecutive quarter (4.4%), following a period of double digit growth throughout most of 2016 and 2017.

5 . Growth in household consumption strengthened slightly in Quarter 3, while business investment fell for the third consecutive quarter

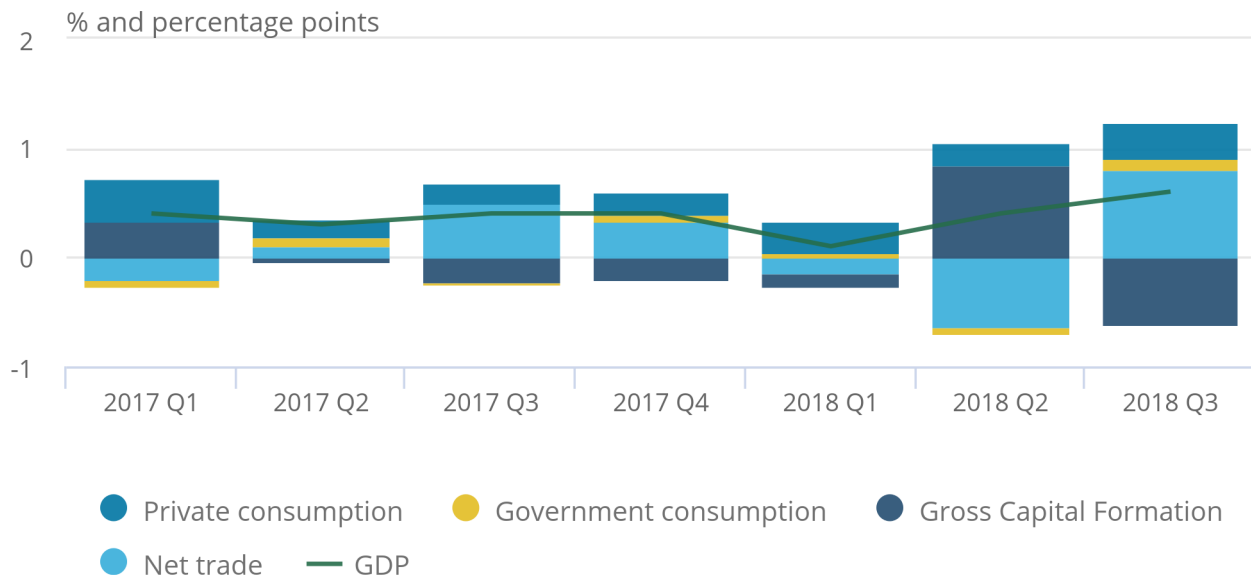
The expenditure measure of gross domestic product (GDP) increased by 0.6% in Quarter 3 (July to Sept) 2018. Private consumption, government consumption and net trade all contributed positively to growth, while gross capital formation (GCF) subtracted from growth (Figure 7).

Figure 7: Net trade drives growth in the expenditure measure of GDP, whilst gross capital formation subtracts from growth

UK, Quarter 1 2017 to Quarter 3 2018

Figure 7: Net trade drives growth in the expenditure measure of GDP, whilst gross capital formation subtracts from growth

UK, Quarter 1 2017 to Quarter 3 2018



Source: Office for National Statistics

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1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept), and Q4 refers to Quarter 4 (Oct to Dec).
2. Components may not sum to total gross domestic product due to rounding and loss of additivity in data prior to open period. The statistical discrepancy is also not displayed.

Growth in household consumption increased slightly to 0.5% in Quarter 3 2018, above the average quarterly growth rate seen throughout 2017. While the increase in Quarter 3 reflected growth across most categories of expenditure, there was a notably sharp drop in household spending on transport – consistent with the weak figures seen in motor trades services as well as the latest Society of Motor Manufacturers and Traders (SMMT) data.

The largest negative contribution to growth in Quarter 3 came from gross capital formation (GCF) – which includes gross fixed capital formation (GFCF), changes in inventories and acquisitions less disposal of valuables – subtracting 0.6 percentage points. However, this largely reflects the application of an alignment adjustment (used to balance the three approaches to measuring GDP) to the changes in inventories component. More information on the alignment adjustment is available in the [Quality and methodology section](#). GFCF contributed 0.1 percentage points to GDP growth in Quarter 3 2018. The 0.8% quarterly rise in GFCF was driven by a strong rise in government investment (8.6%), which was the strongest seen since Quarter 1 (Jan to Mar) 2014 and reflects broad expenditure growth across central government, most notable in defence.

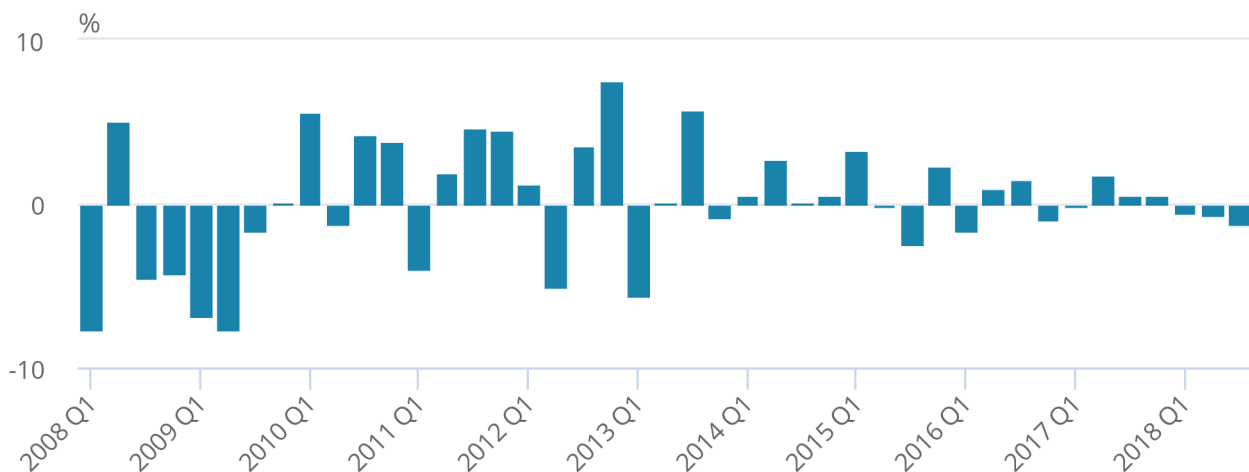
The rises in government and private dwelling investment were partially offset by a 1.2% decrease in business investment in Quarter 3. This was the sharpest decline since Quarter 1 2016 and marked the third consecutive quarterly fall – which has not been seen since the global financial crisis (Figure 8). However, today’s figures should be interpreted with some caution as early estimates of business investment can be prone to revision. The recent subdued business investment environment is consistent with external surveys of investment intentions, which attribute much of the weakness to Brexit-related economic and political uncertainty. The uncertainty appears to be deepening recently, with the latest Bank of England’s (BoE) [November Inflation Report](#) noting that Brexit and associated uncertainty “may have weighed on investment by more than had been expected in August”. The BoE’s [Agents’ summary survey](#) for Quarter 3 further indicated that Brexit uncertainty was the single largest factor weighing on firms’ investment spending plans. These sentiments are echoed in the latest Confederation of British Industry’s (CBI) [Industrial Trends Survey](#) (ITS) for the three months to October, which saw planned capital expenditure on plant and machinery for the year ahead fall at its fastest pace since July 2009.

Figure 8: Business investment has weakened in recent periods, with growth slowing for the fifth consecutive quarter in Quarter 3 2018

UK, Quarter 1 2008 to Quarter 3 2018

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UK, Quarter 1 2008 to Quarter 3 2018



Source: Office for National Statistics

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Net trade made the largest positive contribution to GDP growth in Quarter 3 2018 (0.8 percentage points), driven by a 2.7% rise in exports, while imports were flat. The rise in exports is broadly consistent with external survey indicators which have remained solid, despite easing in recent months following a sustained period of strong growth. The export growth in Quarter 3 reflects an increase in both goods (4.4%) and services exports (0.8%), with goods exports to non-EU countries growing more robustly than to the EU. On a commodity level, exports of fuels and transport equipment performed particularly well in Quarter 3, with the latter being consistent with the strength seen in today's production figures on transport equipment.

6 . Growth in compensation of employees rises by a solid 1.3% in Quarter 3, while profits also increase

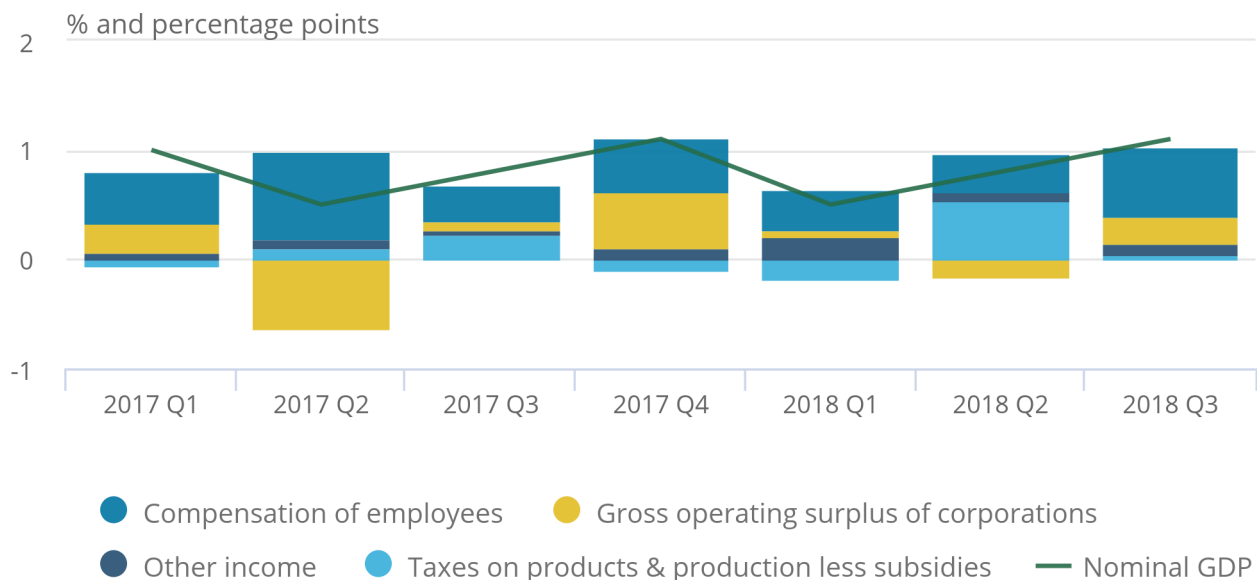
Growth in nominal gross domestic product (GDP) strengthened for the second consecutive quarter in Quarter 3 (July to Sept) 2018, rising by 1.1%. This was driven by solid growth of 1.3% in compensation of employees (CoE), which contributed 0.6 percentage points to overall growth of nominal GDP – the largest contribution since Quarter 2 (Apr to June) 2017 (Figure 9). This is backed up by the latest [labour market data](#), which show that nominal wage growth (excluding bonuses) increased at an average annual rate of 3.1% in the three months to August 2018; annual nominal wage growth has not been higher since the three months to December 2008. Gross operating surplus (GOS) of corporations increased by 1.4% in Quarter 3, while other income increased by 0.8%.

Figure 9: All main income components contributed positively to GDP in Quarter 3 2018

UK, Quarter 1 2017 to Quarter 3 2018

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UK, Quarter 1 2017 to Quarter 3 2018



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2. This chart does not include the statistical discrepancy and components may not sum to the percentage change in average GDP.

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 28 September 2018 and will be next updated on 21 December 2018 when the Quarter 3 (July to Sept) 2018 Quarterly national accounts release and UKEA will become consistent.

Monthly GDP

Estimates of rolling three-month GDP and monthly GDP for September are available in the [GDP monthly estimate, UK: September](#) 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 9 November 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 9 November 2018 and includes data for September 2018.

Index of Production

The [Index of Production release](#) was published on 9 November 2018 and includes data for September 2018.

Construction output in Great Britain

The [Construction output in Great Britain publication](#) was published on 9 November 2018 and includes data for September 2018.

UK trade

The [UK trade release](#) was published on 9 November 2018 and includes data for September 2018.

8 . Are there any upcoming changes?

International Passenger Survey

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

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 – dictate 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 where required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content; 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 3 (July to Sept) 2018 indicate that in this quarter the levels of expenditure and income are lower 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 GDP first quarterly estimate dataset for Quarter 3 (July to Sept) 2018

GDP measurement approach and component adjustment applied to		Q3 2018
Expenditure		
Change in inventories	Current prices	-500
	Chained volume measure	1000

Source: Office for National Statistics

Notes

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

A1 Gross domestic product and gross value 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	103.8	103.8	101.7	102.0	103.3	102.3	102.0	101.8
Seasonally adjusted								
2015 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	102.7	102.7	101.3	101.5	102.7	101.6	101.5	101.2
Q2	103.2	103.4	101.5	101.8	103.0	101.8	101.7	101.6
Q3	104.1	104.0	101.9	102.1	103.5	102.4	102.1	101.8
Q4	105.2	105.3	102.3	102.5	104.1	103.2	102.9	102.8
2018 Q1	105.8	106.0	102.4	102.6	104.2	103.4	103.3	103.4
Q2	106.6	106.6	102.8	103.0	104.7	103.7	103.7	103.5
Q3	107.8	107.8	103.4	103.6	105.5	104.5	104.2	104.1
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	3.8	3.8	1.7	2.0	3.3	2.3	2.0	1.8
Percentage change, latest quarter on previous quarter								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2015 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	1.0	0.4	0.4	1.2	1.0	0.5	0.6
Q2	0.5	0.6	0.3	0.3	0.4	0.3	0.2	0.4
Q3	0.8	0.6	0.4	0.3	0.5	0.5	0.5	0.3
Q4	1.1	1.3	0.4	0.4	0.5	0.8	0.7	0.9
2018 Q1	0.5	0.7	0.1	0.1	0.1	0.2	0.4	0.6
Q2	0.8	0.5	0.4	0.4	0.5	0.3	0.4	0.1
Q3	1.1	1.2	0.6	0.6	0.7	0.7	0.5	0.6
Percentage change, latest quarter on corresponding quarter of previous year								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2015 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	4.2	4.2	1.8	2.4	4.0	2.3	2.4	1.8
Q2	3.8	3.9	1.9	2.2	3.6	1.9	1.9	1.7
Q3	3.8	3.6	1.8	1.9	3.2	2.3	1.9	1.7
Q4	3.4	3.6	1.4	1.4	2.6	2.6	1.9	2.2
2018 Q1	2.9	3.2	1.1	1.1	1.5	1.8	1.8	2.2
Q2	3.2	3.1	1.2	1.2	1.6	1.9	2.0	1.9
Q3	3.6	3.7	1.5	1.5	1.8	2.0	2.0	2.2

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	2 044 471	220 893	1 823 578	2 003 817	213 020	1 790 797	1 778 185
Seasonally adjusted							
2015 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	505 882	54 944	450 938	498 645	52 961	445 684	442 519
Q2	508 235	54 492	453 743	499 942	53 138	446 804	443 598
Q3	512 380	55 888	456 492	501 695	53 359	448 336	445 116
Q4	517 974	55 569	462 405	503 535	53 562	449 973	446 952
2018 Q1	520 742	55 212	465 530	504 001	53 637	450 364	447 200
Q2	524 731	56 867	467 864	506 031	53 862	452 169	449 001
Q3	530 604	57 236	473 368	509 120	54 190	454 930	451 706
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	3.8		3.8	1.7		2.0	2.0
Percentage change, latest quarter on previous quarter							
	IHYN		KGL8	IHYQ		KGM9	
2015 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		1.0	0.4		0.4	0.4
Q2	0.5		0.6	0.3		0.3	0.2
Q3	0.8		0.6	0.4		0.3	0.3
Q4	1.1		1.3	0.4		0.4	0.4
2018 Q1	0.5		0.7	0.1		0.1	0.1
Q2	0.8		0.5	0.4		0.4	0.4
Q3	1.1		1.2	0.6		0.6	0.6
Percentage change, latest quarter on corresponding quarter of previous year							
	IHYO		KGM2	IHYR		KGN3	KLH9
2015 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	4.2		4.2	1.8		2.4	2.4
Q2	3.8		3.9	1.9		2.2	2.2
Q3	3.8		3.6	1.8		1.9	2.0
Q4	3.4		3.6	1.4		1.4	1.4
2018 Q1	2.9		3.2	1.1		1.1	1.1
Q2	3.2		3.1	1.2		1.2	1.2
Q3	3.6		3.7	1.5		1.5	1.5

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	Constr- uction	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	100.6	102.6	98.3	103.0	102.0	107.2	102.1	104.6	102.1	100.4	102.0	102.0	102.0
Seasonally adjusted														
2015 Q2	107.0	102.7	99.8	97.6	95.3	99.5	96.3	96.1	96.5	97.6	100.0	97.9	98.0	98.0
Q3	106.3	101.8	99.3	98.5	95.7	99.2	95.7	96.6	97.1	98.2	100.2	98.3	98.3	98.3
Q4	104.6	99.7	99.2	96.1	96.0	98.6	97.2	97.6	97.7	98.9	100.5	98.9	98.8	98.8
2016 Q1	100.7	97.9	99.0	98.1	97.8	98.7	97.5	98.7	98.0	99.3	100.3	99.3	99.1	99.1
Q2	99.7	100.1	100.2	102.5	100.5	100.5	99.2	99.2	98.2	99.6	99.9	99.4	99.6	99.6
Q3	99.5	105.1	99.7	98.5	100.6	100.1	100.2	100.1	101.0	100.3	99.8	100.2	100.2	100.2
Q4	100.1	97.0	101.0	100.9	101.2	100.7	103.1	101.9	102.8	100.8	100.0	101.0	101.1	101.1
2017 Q1	102.1	100.3	101.7	96.8	104.0	101.1	106.6	101.6	103.1	101.6	100.4	101.5	101.5	101.5
Q2	102.7	102.1	101.9	97.6	102.9	101.5	106.8	101.9	104.3	101.8	100.6	101.8	101.8	101.8
Q3	103.6	102.3	102.8	99.8	102.3	102.4	107.4	102.3	104.9	102.3	100.5	102.1	102.1	102.1
Q4	103.3	97.8	104.1	99.1	103.0	102.9	108.0	102.4	106.2	102.8	100.2	102.5	102.5	102.6
2018 Q1	102.0	100.3	104.0	100.2	101.7	103.1	106.3	102.7	106.2	103.3	100.5	102.8	102.6	102.6
Q2	102.1	101.0	103.3	96.9	102.5	102.2	107.2	104.3	107.7	103.4	100.8	103.4	103.0	103.0
Q3	102.3	102.7	103.9	98.8	102.8	103.1	109.5	105.2	109.2	103.7	100.7	103.8	103.6	103.6
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2014	12.2	0.6	2.9	-6.0	0.7	1.5	8.8	4.4	2.8	3.5	2.2	3.2	3.4	3.4
2015	1.1	8.0	-	1.0	3.4	1.2	4.4	4.5	4.1	2.6	0.9	2.7	2.5	2.5
2016	-5.6	0.3	0.4	2.1	5.6	1.0	4.1	3.8	3.4	2.1	-	1.9	1.9	1.9
2017	2.9	0.6	2.6	-1.7	3.0	2.0	7.2	2.1	4.6	2.1	0.4	2.0	2.0	2.0
Percentage change, latest quarter on previous quarter														
													KGM9	
2015 Q2	0.9	8.4	-0.4	-1.8	4.2	0.7	1.2	1.2	1.0	0.4	0.5	0.6	0.7	0.6
Q3	-0.6	-0.9	-0.4	0.8	0.4	-0.3	-0.6	0.5	0.6	0.6	0.2	0.5	0.3	0.3
Q4	-1.7	-2.0	-0.2	-2.4	0.3	-0.6	1.5	1.0	0.6	0.7	0.3	0.6	0.5	0.5
2016 Q1	-3.7	-1.9	-0.1	2.1	1.8	0.1	0.3	1.1	0.4	0.5	-0.2	0.4	0.3	0.3
Q2	-1.1	2.2	1.2	4.6	2.8	1.8	1.7	0.5	0.2	0.3	-0.4	0.1	0.4	0.4
Q3	-0.2	5.1	-0.5	-3.9	0.1	-0.4	1.1	0.9	2.9	0.7	-0.1	0.8	0.6	0.6
Q4	0.6	-7.8	1.3	2.4	0.6	0.6	2.9	1.7	1.8	0.5	0.1	0.8	0.9	1.0
2017 Q1	2.0	3.5	0.6	-4.0	2.8	0.4	3.4	-0.3	0.3	0.8	0.5	0.4	0.4	0.4
Q2	0.6	1.8	0.3	0.8	-1.0	0.3	0.2	0.3	1.1	0.2	0.2	0.4	0.3	0.2
Q3	0.9	0.2	0.9	2.2	-0.6	0.9	0.5	0.3	0.6	0.5	-0.2	0.3	0.3	0.3
Q4	-0.3	-4.4	1.3	-0.7	0.7	0.6	0.6	0.2	1.2	0.5	-0.2	0.4	0.4	0.4
2018 Q1	-1.2	2.6	-0.1	1.2	-1.3	0.1	-1.6	0.2	-	0.5	0.2	0.3	0.1	0.1
Q2	0.1	0.7	-0.7	-3.3	0.8	-0.8	0.8	1.6	1.5	0.1	0.4	0.6	0.4	0.4
Q3	0.2	1.7	0.6	1.9	0.3	0.8	2.1	0.8	1.4	0.3	-0.1	0.4	0.6	0.6
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 Q2	2.4	10.3	0.2	1.7	5.0	1.8	5.7	4.9	4.6	2.7	1.2	2.9	2.9	2.8
Q3	0.7	12.5	-0.7	-0.9	5.7	1.2	2.1	4.4	3.8	2.4	0.8	2.5	2.2	2.1
Q4	-2.6	7.6	-1.1	-1.0	5.1	0.3	3.3	3.9	2.8	2.0	0.5	2.0	1.8	1.7
2016 Q1	-5.0	3.3	-1.1	-1.4	6.8	-0.1	2.5	3.9	2.6	2.1	0.8	2.1	1.8	1.7
Q2	-6.8	-2.5	0.5	5.0	5.4	1.0	3.0	3.2	1.8	2.0	-0.1	1.6	1.6	1.6
Q3	-6.5	3.3	0.4	0.1	5.1	0.9	4.7	3.7	4.0	2.1	-0.3	1.9	1.9	1.9
Q4	-4.3	-2.8	1.9	5.0	5.3	2.1	6.1	4.4	5.3	1.9	-0.5	2.1	2.3	2.3
2017 Q1	1.3	2.5	2.7	-1.3	6.4	2.4	9.4	2.9	5.2	2.2	0.2	2.2	2.4	2.4
Q2	3.0	2.0	1.7	-4.8	2.4	0.9	7.7	2.7	6.2	2.2	0.7	2.4	2.2	2.2
Q3	4.2	-2.7	3.1	1.2	1.6	2.3	7.1	2.1	3.9	2.0	0.6	1.9	1.9	2.0
Q4	3.1	0.8	3.1	-1.8	1.8	2.2	4.7	0.5	3.3	2.0	0.3	1.5	1.4	1.4
2018 Q1	-0.1	-	2.3	3.5	-2.2	2.0	-0.3	1.1	2.9	1.7	-	1.3	1.1	1.1
Q2	-0.5	-1.1	1.3	-0.7	-0.4	0.8	0.4	2.3	3.3	1.6	0.2	1.5	1.2	1.2
Q3	-1.3	0.4	1.0	-1.0	0.5	0.7	2.0	2.8	4.1	1.3	0.3	1.7	1.5	1.5

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

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

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

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

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

2016 = 100

Service industries											
	Wholesale and retail trade	Transport, storage 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	104.6	102.7	100.4	101.0	104.4	100.3	100.5	99.6	102.1	102.0
Seasonally adjusted											
2015 Q2	95.7	96.5	97.8	95.8	99.2	97.0	102.2	100.3	98.4	99.9	97.9
Q3	96.1	97.1	98.4	95.2	100.1	97.9	101.2	100.8	98.9	100.3	98.3
Q4	96.9	97.7	100.4	97.1	100.3	98.3	101.1	101.0	99.4	101.2	98.9
2016 Q1	98.6	98.0	99.2	98.7	100.5	98.4	100.5	100.5	100.1	99.9	99.3
Q2	99.2	98.2	99.3	99.4	99.9	99.4	99.8	99.8	100.1	99.7	99.4
Q3	100.2	101.0	100.1	101.2	99.7	100.4	99.8	99.7	100.0	99.7	100.2
Q4	102.0	102.8	101.5	100.7	99.9	101.8	99.8	100.0	99.7	100.6	101.0
2017 Q1	101.3	103.1	102.8	101.2	100.5	103.0	99.9	100.8	99.7	101.9	101.5
Q2	101.7	104.3	102.7	100.7	101.0	103.3	100.4	100.4	99.8	102.7	101.8
Q3	102.2	104.9	102.5	100.1	101.3	104.7	100.3	100.4	99.4	102.7	102.1
Q4	102.4	106.2	102.7	99.5	101.3	106.5	100.5	100.4	99.5	101.1	102.5
2018 Q1	102.5	106.2	103.4	99.9	101.6	107.2	100.6	100.4	99.6	101.8	102.8
Q2	104.2	107.7	104.8	100.0	101.5	107.5	100.7	100.9	99.7	102.8	103.4
Q3	105.0	109.2	105.8	100.4	101.6	107.9	100.6	100.8	100.0	102.1	103.8
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2014	4.9	2.8	2.7	-1.7	3.1	7.5	-1.8	1.5	3.4	6.2	3.2
2015	4.5	4.1	4.8	-2.9	3.5	5.1	-1.9	1.7	1.5	2.0	2.7
2016	4.4	3.4	1.5	3.5	0.6	2.9	-1.8	-0.6	1.6	-0.2	1.9
2017	1.9	4.6	2.7	0.4	1.0	4.4	0.3	0.5	-0.4	2.1	2.0
Percentage change, latest quarter on previous quarter											
2015 Q2	1.4	1.0	0.5	-2.7	1.2	1.4	-0.6	0.1	1.5	0.4	0.6
Q3	0.5	0.6	0.6	-0.6	0.9	1.0	-0.9	0.5	0.5	0.5	0.5
Q4	0.8	0.6	2.0	2.0	0.2	0.4	-0.2	0.2	0.4	0.9	0.6
2016 Q1	1.8	0.4	-1.2	1.7	0.1	0.1	-0.6	-0.5	0.8	-1.2	0.4
Q2	0.6	0.2	0.1	0.8	-0.5	0.9	-0.6	-0.7	-	-0.2	0.1
Q3	0.9	2.9	0.8	1.8	-0.2	1.0	-	-0.1	-0.1	-	0.8
Q4	1.8	1.8	1.4	-0.4	0.1	1.5	-	0.3	-0.3	0.9	0.8
2017 Q1	-0.7	0.3	1.3	0.5	0.6	1.1	0.1	0.9	-0.1	1.3	0.4
Q2	0.4	1.1	-0.1	-0.5	0.6	0.3	0.5	-0.4	0.1	0.8	0.4
Q3	0.5	0.6	-0.2	-0.6	0.3	1.4	-0.1	-	-0.4	-	0.3
Q4	0.2	1.2	0.2	-0.6	0.1	1.7	0.2	-0.1	0.1	-1.6	0.4
2018 Q1	0.1	-	0.6	0.4	0.2	0.7	0.1	-	0.2	0.7	0.3
Q2	1.7	1.5	1.3	-	-	0.2	-	0.5	0.1	0.9	0.6
Q3	0.8	1.4	0.9	0.5	-	0.4	-0.1	-0.1	0.3	-0.7	0.4
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2015 Q2	5.0	4.6	4.6	-3.9	3.6	5.9	-1.6	1.5	2.3	2.0	2.9
Q3	4.4	3.8	4.4	-4.0	3.8	4.9	-2.4	1.7	1.7	1.6	2.5
Q4	3.7	2.8	4.8	-2.6	3.4	3.2	-2.6	1.3	1.0	1.9	2.0
2016 Q1	4.5	2.6	1.9	0.2	2.5	3.0	-2.2	0.3	3.2	0.5	2.1
Q2	3.7	1.8	1.5	3.8	0.8	2.5	-2.3	-0.4	1.7	-0.1	1.6
Q3	4.2	4.0	1.7	6.3	-0.4	2.5	-1.4	-1.1	1.1	-0.6	1.9
Q4	5.3	5.3	1.1	3.8	-0.5	3.6	-1.2	-1.1	0.4	-0.6	2.1
2017 Q1	2.7	5.2	3.6	2.6	-	4.6	-0.6	0.3	-0.5	1.9	2.2
Q2	2.5	6.2	3.4	1.3	1.1	3.9	0.5	0.6	-0.3	3.0	2.4
Q3	2.0	3.9	2.4	-1.1	1.6	4.4	0.4	0.7	-0.7	3.0	1.9
Q4	0.3	3.3	1.3	-1.2	1.5	4.6	0.7	0.4	-0.3	0.5	1.5
2018 Q1	1.2	2.9	0.6	-1.3	1.1	4.1	0.7	-0.5	-	-	1.3
Q2	2.4	3.3	2.1	-0.8	0.5	4.0	0.3	0.5	-0.1	0.1	1.5
Q3	2.7	4.1	3.2	0.3	0.3	3.0	0.3	0.4	0.6	-0.6	1.7

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

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

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

4 Comprising sections R, S and T of SIC(2007).

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							Statistical discrepancy (expenditure)	Gross domestic product at market prices
Households	Non-profit institutions ²	General government ⁷	Gross fixed capital formation	Of which business investment ³	Change in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Total Trade balance ⁶	GIXS		
ABJR	HAYO	NMRY	NPQT	NPQL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2014	1 165 059	57 035	360 149	313 472	180 608	14 477	-1	-97 1	901 970 527 797 2	429 522 539 475	-11 678	-	1 890 493		
2015	1 196 525	56 874	365 223	324 016	187 355	11 146	-1	-360 1	953 172 551 228 2	504 151 569 120	-17 892	-	1 934 903		
2016	1 235 247	57 343	367 974	331 442	187 031	8 556	-	-151 2	000 411 556 961 2	557 372 587 848	-30 887	-	1 969 524		
2017	1 258 913	56 903	367 457	342 351	190 313	-832	-	285 2	025 077 588 689 2	613 766 606 556	-17 867	-3 393	2 003 817		
Seasonally adjusted															
2015 Q2	297 798	14 293	91 291	81 764	47 152	3 154	223	-345	484 867 138 061	622 843 140 387	-2 326	-	482 464		
Q3	301 636	14 166	91 806	80 017	45 985	4 199	-1 757	-748	488 607 136 744	625 287 140 793	-4 049	-	484 552		
Q4	301 804	14 195	91 665	81 427	47 023	2 782	-345	-1 803	493 287 139 491	632 757 144 591	-5 100	-	488 153		
2016 Q1	305 101	14 251	92 044	81 415	46 221	1 881	-86	284	495 416 138 252	633 733 143 976	-5 724	-	489 736		
Q2	307 595	14 345	91 959	82 695	46 622	347	-903	-1 264	495 847 139 554	635 416 144 900	-5 346	-	490 502		
Q3	311 268	14 338	91 968	83 909	47 330	1 173	1 977	2 626	506 847 135 108	642 147 149 364	-14 256	-	492 816		
Q4	311 283	14 409	92 003	83 423	46 858	5 155	-988	-1 797	502 301 144 047	646 076 149 608	-5 561	-	496 470		
2017 Q1	313 246	14 333	91 596	84 217	46 756	2 694	468	-572	505 514 143 535	649 049 150 058	-6 523	-346	498 645		
Q2	314 160	14 261	91 971	85 750	47 593	262	-976	180	506 584 145 133	651 717 151 114	-5 981	-661	499 942		
Q3	315 215	14 166	91 802	85 912	47 857	-889	1 328	95	506 301 149 249	655 550 152 779	-3 530	-1 076	501 695		
Q4	316 292	14 143	92 088	86 472	48 107	-2 899	-820	582	506 678 150 772	657 450 152 605	-1 833	-1 310	503 535		
2018 Q1	317 896	14 067	92 275	85 625	47 846	-2 365	-2 822	252	507 750 149 639	657 389 152 192	-2 553	-1 196	504 001		
Q2	319 088	13 948	91 937	85 224	47 507	1 195	762	1 259	512 651 146 299	658 950 151 958	-5 659	-961	506 031		
Q3	320 830	13 846	92 514	85 936	46 942	-854	-1 248	-406	511 866 150 312	662 178 151 967	-1 655	-1 091	509 120		
Percentage change, latest year on previous year															
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N			IHYP	
2014	2.1	1.1	2.2	7.2	5.2			3.4	2.3	3.1	3.8			2.9	
2015	2.7	-0.3	1.4	3.4	3.7			2.7	4.4	3.1	5.5			2.3	
2016	3.2	0.8	0.8	2.3	-0.2			2.4	1.0	2.1	3.3			1.8	
2017	1.9	-0.8	-0.1	3.3	1.8			1.2	5.7	2.2	3.2			1.7	
Percentage change, latest quarter on previous quarter															
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O			IHYQ	
2015 Q2	0.9	0.5	0.9	1.2	-0.1			-0.3	0.8	-0.1	-2.1			0.6	
Q3	1.3	-0.9	0.6	-2.1	-2.5			0.8	-1.0	0.4	0.3			0.4	
Q4	0.1	0.2	-0.2	1.8	2.3			1.0	2.0	1.2	2.7			0.7	
2016 Q1	1.1	0.4	0.4	-	-1.7			0.4	-0.9	0.2	-0.4			0.3	
Q2	0.8	0.7	-0.1	1.6	0.9			0.1	0.9	0.3	0.6			0.2	
Q3	1.2	-	-	1.5	1.5			2.2	-3.2	1.1	3.1			0.5	
Q4	-	0.5	-	-0.6	-1.0			-0.9	6.6	0.6	0.2			0.7	
2017 Q1	0.6	-0.5	-0.4	1.0	-0.2			0.6	-0.4	0.5	0.3			0.4	
Q2	0.3	-0.5	0.4	1.8	1.8			0.2	1.1	0.4	0.7			0.3	
Q3	0.3	-0.7	-0.2	0.2	0.6			-0.1	2.8	0.6	1.1			0.4	
Q4	0.3	-0.2	0.3	0.7	0.5			0.1	1.0	0.3	-0.1			0.4	
2018 Q1	0.5	-0.5	0.2	-1.0	-0.5			0.2	-0.8	-	-0.3			0.1	
Q2	0.4	-0.8	-0.4	-0.5	-0.7			1.0	-2.2	0.2	-0.2			0.4	
Q3	0.5	-0.7	0.6	0.8	-1.2			-0.2	2.7	0.5	-			0.6	
Percentage change, latest quarter on corresponding quarter of previous year															
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P			IHYR	
2015 Q2	2.7	0.4	1.2	5.3	4.0			2.9	4.2	3.2	5.9			2.4	
Q3	3.0	-0.6	1.6	1.3	1.2			2.2	4.8	2.8	4.9			2.1	
Q4	2.8	-0.1	1.8	2.5	2.9			2.2	3.1	2.4	3.0			2.2	
2016 Q1	3.3	0.2	1.7	0.8	-2.1			1.9	1.0	1.7	0.4			2.1	
Q2	3.3	0.4	0.7	1.1	-1.1			2.3	1.1	2.0	3.2			1.7	
Q3	3.2	1.2	0.2	4.9	2.9			3.7	-1.2	2.7	6.1			1.7	
Q4	3.1	1.5	0.4	2.5	-0.4			1.8	3.3	2.1	3.5			1.7	
2017 Q1	2.7	0.6	-0.5	3.4	1.2			2.0	3.8	2.4	4.2			1.8	
Q2	2.1	-0.6	-	3.7	2.1			2.2	4.0	2.6	4.3			1.9	
Q3	1.3	-1.2	-0.2	2.4	1.1			-0.1	10.5	2.1	2.3			1.8	
Q4	1.6	-1.8	0.1	3.7	2.7			0.9	4.7	1.8	2.0			1.4	
2018 Q1	1.5	-1.9	0.7	1.7	2.3			0.4	4.3	1.3	1.4			1.1	
Q2	1.6	-2.2	-	-0.6	-0.2			1.2	0.8	1.1	0.6			1.2	
Q3	1.8	-2.3	0.8	-	-1.9			1.1	0.7	1.0	-0.5			1.5	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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

D Gross domestic product by category of income: current prices¹

£ million

	Compen- sation 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	1 004 398	446 113	–	337 991	1 788 502	246 882	9 087	2 044 471
Seasonally adjusted								
2015 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	246 867	112 923	2 294	83 926	443 716	60 897	1 269	505 882
Q2	250 576	109 871	–2 022	84 387	444 834	61 389	2 012	508 235
Q3	252 221	110 318	–1 783	84 590	447 129	62 561	2 690	512 380
Q4	254 734	113 001	1 511	85 088	452 823	62 035	3 116	517 974
2018 Q1	256 848	113 358	1 614	86 250	456 456	61 028	3 258	520 742
Q2	258 616	112 580	–1 344	86 712	457 908	63 745	3 078	524 731
Q3	261 993	114 178	–667	87 370	463 541	63 975	3 088	530 604
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	4.3	3.2		1.2	3.4	2.9		3.8
Percentage change, latest quarter on previous quarter								
	KGI4	KH4W		KH6U	KH6O	KH66		IHYN
2015 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	1.2		0.4	0.9	–0.5		1.0
Q2	1.5	–2.7		0.5	0.3	0.8		0.5
Q3	0.7	0.4		0.2	0.5	1.9		0.8
Q4	1.0	2.4		0.6	1.3	–0.8		1.1
2018 Q1	0.8	0.3		1.4	0.8	–1.6		0.5
Q2	0.7	–0.7		0.5	0.3	4.5		0.8
Q3	1.3	1.4		0.8	1.2	0.4		1.1
Percentage change, latest quarter on corresponding quarter of previous year								
	KGI5	KH4X		KH6V	KH6P	KH67		IHYO
2015 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	2.3		1.6	4.1	3.2		4.2
Q2	4.2	4.2		0.6	3.5	2.7		3.8
Q3	2.9	5.1		1.0	3.1	4.5		3.8
Q4	4.1	1.3		1.8	3.0	1.3		3.4
2018 Q1	4.0	0.4		2.8	2.9	0.2		2.9
Q2	3.2	2.5		2.8	2.9	3.8		3.2
Q3	3.9	3.5		3.3	3.7	2.3		3.6

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

2 Quarterly alignment adjustment included in this series.

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

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

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	Dwellings ³						
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	190 313	52 990	8 356	766	71 944	17 982	342 351	23 279	61 904	80 301	114 451	62 416	342 351
Seasonally adjusted													
2015 Q2	47 152	13 297	1 911	157	15 422	3 813	81 764	5 474	16 076	17 332	27 670	15 273	81 764
Q3	45 985	12 562	2 080	178	15 235	3 966	80 017	4 770	15 768	17 315	27 144	15 112	80 017
Q4	47 023	12 390	2 008	177	15 687	4 140	81 427	5 185	16 444	17 694	27 135	15 063	81 427
2016 Q1	46 221	12 243	2 062	150	16 191	4 543	81 415	6 230	15 135	18 253	26 771	15 042	81 415
Q2	46 622	13 277	2 110	229	16 369	4 095	82 695	6 272	15 744	18 478	27 040	15 176	82 695
Q3	47 330	13 605	2 109	168	16 674	4 024	83 909	7 151	15 167	18 783	27 600	15 174	83 909
Q4	46 858	12 975	2 123	179	16 936	4 351	83 423	6 201	15 582	19 058	27 307	15 277	83 423
2017 Q1	46 756	12 911	2 135	165	17 724	4 526	84 217	6 177	14 778	19 860	28 291	15 111	84 217
Q2	47 593	13 548	2 301	225	17 646	4 437	85 750	6 297	15 679	19 947	28 409	15 418	85 750
Q3	47 857	13 301	2 167	191	17 855	4 541	85 912	5 712	15 510	20 022	28 934	15 734	85 912
Q4	48 107	13 230	1 753	185	18 719	4 478	86 472	5 093	15 937	20 472	28 817	16 153	86 472
2018 Q1	47 846	12 710	1 475	167	19 007	4 420	85 625	5 664	15 398	20 482	27 765	16 316	85 625
Q2	47 507	12 873	960	208	19 471	4 205	85 224	4 941	15 432	20 431	27 722	16 698	85 224
Q3	46 942	13 984	1 018	188	19 491	4 313	85 936	4 415	15 476	20 509	29 037	16 499	85 936
Percentage change, latest year on previous year													
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N
2014	5.2	8.7	15.5	24.0	8.7	14.9	7.2	45.3	10.6	9.5	3.4	0.5	7.2
2015	3.7	-0.7	-2.2	3.4	7.8	-0.4	3.4	37.1	-3.8	6.5	4.2	-3.1	3.4
2016	-0.2	0.9	2.0	4.6	9.1	10.9	2.3	18.7	-4.0	8.2	-0.5	0.9	2.3
2017	1.8	1.7	-0.6	5.5	8.7	5.7	3.3	-10.0	0.4	7.7	5.3	2.9	3.3
Percentage change, latest quarter on previous quarter													
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q
2015 Q2	-0.1	-0.9	-14.8	-13.7	7.6	11.2	1.2	-13.9	1.0	4.6	1.5	4.0	1.2
Q3	-2.5	-5.5	8.8	13.4	-1.2	4.0	-2.1	-12.9	-1.9	-0.1	-1.9	-1.1	-2.1
Q4	2.3	-1.4	-3.5	-0.6	3.0	4.4	1.8	8.7	4.3	2.2	-	-0.3	1.8
2016 Q1	-1.7	-1.2	2.7	-15.3	3.2	9.7	-	20.2	-8.0	3.2	-1.3	-0.1	-
Q2	0.9	8.4	2.3	52.7	1.1	-9.9	1.6	0.7	4.0	1.2	1.0	0.9	1.6
Q3	1.5	2.5	-	-26.6	1.9	-1.7	1.5	14.0	-3.7	1.7	2.1	-	1.5
Q4	-1.0	-4.6	0.7	6.5	1.6	8.1	-0.6	-13.3	2.7	1.5	-1.1	0.7	-0.6
2017 Q1	-0.2	-0.5	0.6	-7.8	4.7	4.0	1.0	-0.4	-5.2	4.2	3.6	-1.1	1.0
Q2	1.8	4.9	7.8	36.4	-0.4	-2.0	1.8	1.9	6.1	0.4	0.4	2.0	1.8
Q3	0.6	-1.8	-5.8	-15.1	1.2	2.3	0.2	-9.3	-1.1	0.4	1.8	2.0	0.2
Q4	0.5	-0.5	-19.1	-3.1	4.8	-1.4	0.7	-10.8	2.8	2.2	-0.4	2.7	0.7
2018 Q1	-0.5	-3.9	-15.9	-9.7	1.5	-1.3	-1.0	11.2	-3.4	-	-3.7	1.0	-1.0
Q2	-0.7	1.3	-34.9	24.6	2.4	-4.9	-0.5	-12.8	0.2	-0.2	-0.2	2.3	-0.5
Q3	-1.2	8.6	6.0	-9.6	0.1	2.6	0.8	-10.6	0.3	0.4	4.7	-1.2	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 Q2	4.0	9.1	-9.2	-4.8	12.2	-5.8	5.3	34.8	-3.7	9.4	6.8	-0.3	5.3
Q3	1.2	-1.8	-5.8	2.9	6.2	-0.9	1.3	12.3	-7.2	4.6	4.3	-1.4	1.3
Q4	2.9	-6.2	-10.6	3.5	10.0	8.3	2.5	22.8	-1.1	7.1	2.3	-4.0	2.5
2016 Q1	-2.1	-8.7	-8.0	-17.6	13.0	32.5	0.8	-2.0	-4.9	10.1	-1.8	2.5	0.8
Q2	-1.1	-0.2	10.4	45.9	6.1	7.4	1.1	14.6	-2.1	6.6	-2.3	-0.6	1.1
Q3	2.9	8.3	1.4	-5.6	9.4	1.5	4.9	49.9	-3.8	8.5	1.7	0.4	4.9
Q4	-0.4	4.7	5.7	1.1	8.0	5.1	2.5	19.6	-5.2	7.7	0.6	1.4	2.5
2017 Q1	1.2	5.5	3.5	10.0	9.5	-0.4	3.4	-0.9	-2.4	8.8	5.7	0.5	3.4
Q2	2.1	2.0	9.1	-1.7	7.8	8.4	3.7	0.4	-0.4	7.9	5.1	1.6	3.7
Q3	1.1	-2.2	2.8	13.7	7.1	12.8	2.4	-20.1	2.3	6.6	4.8	3.7	2.4
Q4	2.7	2.0	-17.4	3.4	10.5	2.9	3.7	-17.9	2.3	7.4	5.5	5.7	3.7
2018 Q1	2.3	-1.6	-30.9	1.2	7.2	-2.3	1.7	-8.3	4.2	3.1	-1.9	8.0	1.7
Q2	-0.2	-5.0	-58.3	-7.6	10.3	-5.2	-0.6	-21.5	-1.6	2.4	-2.4	8.3	-0.6
Q3	-1.9	5.1	-53.0	-1.6	9.2	-5.0	-	-22.7	-0.2	2.4	0.4	4.9	-

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	338 739	279 024	617 763	475 774	164 729	640 503	-137 035	114 295	-22 740
Seasonally adjusted									
2015 Q2	73 675	57 357	131 032	100 479	35 526	136 005	-26 804	21 831	-4 973
Q3	70 559	57 336	127 895	98 591	35 573	134 164	-28 032	21 763	-6 269
Q4	70 804	59 634	130 438	100 274	36 457	136 731	-29 470	23 177	-6 293
2016 Q1	70 403	60 998	131 401	101 443	36 659	138 102	-31 040	24 339	-6 701
Q2	73 778	62 266	136 044	104 321	37 941	142 262	-30 543	24 325	-6 218
Q3	74 148	64 314	138 462	112 681	39 521	152 202	-38 533	24 793	-13 740
Q4	80 744	70 310	151 054	113 280	42 002	155 282	-32 536	28 308	-4 228
2017 Q1	83 084	67 623	150 707	117 172	40 757	157 929	-34 088	26 866	-7 222
Q2	84 249	67 897	152 146	118 505	40 669	159 174	-34 256	27 228	-7 028
Q3	86 032	70 304	156 336	119 844	41 444	161 288	-33 812	28 860	-4 952
Q4	85 374	73 200	158 574	120 253	41 859	162 112	-34 879	31 341	-3 538
2018 Q1	86 160	71 598	157 758	118 208	42 822	161 030	-32 048	28 776	-3 272
Q2	85 884	71 658	157 542	120 615	43 033	163 648	-34 731	28 625	-6 106
Q3	90 896	72 620	163 516	122 752	43 686	166 438	-31 856	28 934	-2 922
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2014	-2.4	1.8	-0.6	-1.0	1.2	-0.5			
2015	-2.2	2.5	-0.1	-2.6	5.4	-0.6			
2016	4.3	10.7	7.2	6.7	9.9	7.5			
2017	13.3	8.2	10.9	10.2	5.5	9.0			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2015 Q2	2.7	-2.0	0.6	-4.5	3.0	-2.6			
Q3	-4.2	-	-2.4	-1.9	0.1	-1.4			
Q4	0.3	4.0	2.0	1.7	2.5	1.9			
2016 Q1	-0.6	2.3	0.7	1.2	0.6	1.0			
Q2	4.8	2.1	3.5	2.8	3.5	3.0			
Q3	0.5	3.3	1.8	8.0	4.2	7.0			
Q4	8.9	9.3	9.1	0.5	6.3	2.0			
2017 Q1	2.9	-3.8	-0.2	3.4	-3.0	1.7			
Q2	1.4	0.4	1.0	1.1	-0.2	0.8			
Q3	2.1	3.5	2.8	1.1	1.9	1.3			
Q4	-0.8	4.1	1.4	0.3	1.0	0.5			
2018 Q1	0.9	-2.2	-0.5	-1.7	2.3	-0.7			
Q2	-0.3	0.1	-0.1	2.0	0.5	1.6			
Q3	5.8	1.3	3.8	1.8	1.5	1.7			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2015 Q2	-0.2	-0.1	-0.1	-2.3	6.5	-0.1			
Q3	-2.5	1.9	-0.6	-4.2	6.3	-1.7			
Q4	-3.7	2.3	-1.0	-6.6	8.6	-3.0			
2016 Q1	-1.8	4.2	0.9	-3.6	6.3	-1.1			
Q2	0.1	8.6	3.8	3.8	6.8	4.6			
Q3	5.1	12.2	8.3	14.3	11.1	13.4			
Q4	14.0	17.9	15.8	13.0	15.2	13.6			
2017 Q1	18.0	10.9	14.7	15.5	11.2	14.4			
Q2	14.2	9.0	11.8	13.6	7.2	11.9			
Q3	16.0	9.3	12.9	6.4	4.9	6.0			
Q4	5.7	4.1	5.0	6.2	-0.3	4.4			
2018 Q1	3.7	5.9	4.7	0.9	5.1	2.0			
Q2	1.9	5.5	3.5	1.8	5.8	2.8			
Q3	5.7	3.3	4.6	2.4	5.4	3.2			

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

H2 Exports and imports of goods and services

Chained volume measures

Reference year 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2014	284 057	244 347	527 797	398 337	140 870	539 475	-11 678
2015	302 991	248 177	551 228	415 878	153 347	569 120	-17 892
2016	299 073	257 888	556 961	431 725	156 123	587 848	-30 887
2017	319 032	269 657	588 689	449 707	156 849	606 556	-17 867
Seasonally adjusted							
2015 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	77 989	65 546	143 535	111 264	38 794	150 058	-6 523
Q2	79 725	65 408	145 133	112 433	38 681	151 114	-5 981
Q3	81 759	67 490	149 249	113 287	39 492	152 779	-3 530
Q4	79 559	71 213	150 772	112 723	39 882	152 605	-1 833
2018 Q1	80 512	69 127	149 639	111 604	40 588	152 192	-2 553
Q2	78 454	67 845	146 299	111 523	40 435	151 958	-5 659
Q3	81 931	68 381	150 312	110 473	41 494	151 967	-1 655
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2014	2.6	1.9	2.3	3.6	4.5	3.8	
2015	6.7	1.6	4.4	4.4	8.9	5.5	
2016	-1.3	3.9	1.0	3.8	1.8	3.3	
2017	6.7	4.6	5.7	4.2	0.5	3.2	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2015 Q2	3.4	-2.5	0.8	-4.1	4.3	-2.1	
Q3	-1.3	-0.3	-1.0	0.3	0.3	0.3	
Q4	1.2	3.3	2.0	2.7	2.6	2.7	
2016 Q1	-2.2	0.7	-0.9	0.4	-2.8	-0.4	
Q2	0.9	1.0	0.9	0.5	1.0	0.6	
Q3	-4.2	-2.2	-3.2	4.4	-0.4	3.1	
Q4	5.8	7.4	6.6	-1.1	3.9	0.2	
2017 Q1	2.0	-2.8	-0.4	1.7	-3.4	0.3	
Q2	2.2	-0.2	1.1	1.1	-0.3	0.7	
Q3	2.6	3.2	2.8	0.8	2.1	1.1	
Q4	-2.7	5.5	1.0	-0.5	1.0	-0.1	
2018 Q1	1.2	-2.9	-0.8	-1.0	1.8	-0.3	
Q2	-2.6	-1.9	-2.2	-0.1	-0.4	-0.2	
Q3	4.4	0.8	2.7	-0.9	2.6	-	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2015 Q2	8.3	-1.0	4.2	4.1	11.2	5.9	
Q3	7.6	1.4	4.8	3.4	9.5	4.9	
Q4	5.0	0.8	3.1	0.4	11.5	3.0	
2016 Q1	0.9	1.1	1.0	-0.8	4.4	0.4	
Q2	-1.6	4.8	1.1	4.0	1.1	3.2	
Q3	-4.4	2.8	-1.2	8.2	0.3	6.1	
Q4	-	6.9	3.3	4.1	1.6	3.5	
2017 Q1	4.2	3.2	3.8	5.4	0.9	4.2	
Q2	5.6	1.9	4.0	6.0	-0.4	4.3	
Q3	13.1	7.5	10.5	2.3	2.1	2.3	
Q4	4.0	5.6	4.7	3.0	-0.7	2.0	
2018 Q1	3.2	5.5	4.3	0.3	4.6	1.4	
Q2	-1.6	3.7	0.8	-0.8	4.5	0.6	
Q3	0.2	1.3	0.7	-2.5	5.1	-0.5	

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

Gross value added at basic prices: individual measures

	£ million				Index numbers (2016 = 100) ³				
	Expenditure-based estimate at chained volume measures	At current prices			Value indices at current prices		Chained volume indices		
		Expenditure-based estimate	Income-based estimate	Residual error ¹	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate ²	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2014	1 680 700	1 645 955	1 645 955	–	93.7	93.7	95.7	95.7	95.7
2015	1 723 523	1 692 039	1 692 039	–	96.4	96.4	98.1	98.1	98.1
2016	1 756 045	1 756 045	1 756 045	–	100.0	100.0	100.0	100.0	100.0
2017	1 794 190	1 827 048	1 814 491	12 557	104.0	103.3	102.2	101.5	102.3
Seasonally adjusted									
2015 Q2	430 425	424 503	424 503	–	96.7	96.7	98.0	98.0	98.0
Q3	431 718	423 920	423 920	–	96.6	96.6	98.3	98.3	98.3
Q4	433 845	426 098	426 098	–	97.1	97.1	98.8	98.8	98.8
2016 Q1	435 169	432 659	432 659	–	98.6	98.6	99.1	99.1	99.1
Q2	437 116	436 513	436 513	–	99.4	99.4	99.6	99.6	99.6
Q3	439 892	440 577	440 577	–	100.4	100.4	100.2	100.2	100.2
Q4	443 868	446 296	446 296	–	101.7	101.7	101.1	101.1	101.1
2017 Q1	446 030	451 289	449 669	1 620	102.8	102.4	101.6	101.2	101.7
Q2	447 465	454 415	451 731	2 684	103.5	102.9	101.9	101.3	102.1
Q3	449 412	457 591	453 802	3 789	104.2	103.4	102.4	101.5	102.5
Q4	451 283	463 753	459 289	4 464	105.6	104.6	102.8	101.8	102.9
2018 Q1	451 560	466 766	462 272	4 494	106.3	105.3	102.9	101.9	103.0
Q2	453 130	468 861	464 786	4 075	106.8	105.9	103.2	102.3	103.5
Q3	456 021	474 505	470 280	4 225	108.1	107.1	103.9	102.9	104.1
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2014	3.4	4.6	4.6		4.6	4.6	3.4	3.4	3.4
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.9	3.8	3.8		3.8	3.8	1.9	1.9	1.9
2017	2.2	4.0	3.3		4.0	3.3	2.2	1.5	2.3
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2015 Q2	0.7	1.7	1.7		1.7	1.7	0.7	0.7	0.7
Q3	0.3	–0.1	–0.1		–0.1	–0.1	0.3	0.3	0.3
Q4	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5
2016 Q1	0.3	1.5	1.5		1.5	1.5	0.3	0.3	0.3
Q2	0.4	0.9	0.9		0.9	0.9	0.4	0.4	0.4
Q3	0.6	0.9	0.9		0.9	0.9	0.6	0.6	0.6
Q4	0.9	1.3	1.3		1.3	1.3	0.9	0.9	0.9
2017 Q1	0.5	1.1	0.8		1.1	0.8	0.5	0.1	0.6
Q2	0.3	0.7	0.5		0.7	0.5	0.3	0.1	0.3
Q3	0.4	0.7	0.5		0.7	0.5	0.4	0.2	0.4
Q4	0.4	1.3	1.2		1.3	1.2	0.4	0.3	0.4
2018 Q1	0.1	0.6	0.6		0.6	0.6	0.1	0.1	0.1
Q2	0.3	0.4	0.5		0.4	0.5	0.3	0.4	0.4
Q3	0.6	1.2	1.2		1.2	1.2	0.6	0.6	0.6
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2015 Q2	2.9	3.3	3.3		3.3	3.3	2.9	2.9	2.9
Q3	2.2	2.0	2.0		2.0	2.0	2.2	2.2	2.2
Q4	1.8	2.8	2.8		2.8	2.8	1.8	1.8	1.8
2016 Q1	1.8	3.6	3.6		3.6	3.6	1.8	1.8	1.8
Q2	1.6	2.8	2.8		2.8	2.8	1.6	1.6	1.6
Q3	1.9	3.9	3.9		3.9	3.9	1.9	1.9	1.9
Q4	2.3	4.7	4.7		4.7	4.7	2.3	2.3	2.3
2017 Q1	2.5	4.3	3.9		4.3	3.9	2.5	2.1	2.6
Q2	2.4	4.1	3.5		4.1	3.5	2.4	1.8	2.5
Q3	2.2	3.9	3.0		3.9	3.0	2.2	1.3	2.3
Q4	1.7	3.9	2.9		3.9	2.9	1.7	0.7	1.8
2018 Q1	1.2	3.4	2.8		3.4	2.8	1.2	0.6	1.3
Q2	1.3	3.2	2.9		3.2	2.9	1.3	1.0	1.4
Q3	1.5	3.7	3.6		3.7	3.6	1.5	1.4	1.5

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

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

M Alignment adjustments

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
Seasonally adjusted			
2015 Q2	DMUN 223	DMUM 223	DMUQ 831
Q3	-1 721	-1 757	-1 054
Q4	-334	-345	-867
2016 Q1	-84	-86	1 912
Q2	-900	-903	-1 681
Q3	1 981	1 977	-1 987
Q4	-997	-988	1 756
2017 Q1	477	468	2 294
Q2	-991	-976	-2 022
Q3	1 357	1 328	-1 783
Q4	-843	-820	1 511
2018 Q1	-2 917	-2 822	1 614
Q2	789	762	-1 344
Q3	-1 300	-1 248	-667

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	95.2473
2015/16	1 913 870	1 912 472	1 707 180	362 579	49 784	1 944 905	1 731 157	366 806	50 492	96.0087
2016/17	1 990 080	1 989 127	1 774 324	369 318	53 372	1 978 433	1 766 560	367 526	52 768	98.1367
2017/18	2 059 331	2 060 449	1 838 170	374 510	53 829	2 009 173	1 795 477	368 136	52 789	100.0000
Seasonally adjusted										
2015 Q2	475 229	469 103	424 503	89 420	13 002	482 464	430 425	91 291	13 297	96.1032
Q3	475 541	472 366	423 920	91 090	12 360	484 552	431 718	91 806	12 562	95.7519
Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	95.4918
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	96.6877
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	97.3658
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	97.7472
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	98.4514
2017 Q1	505 882	505 356	450 938	92 970	13 400	498 645	445 684	91 596	12 911	98.9823
Q2	508 235	505 286	453 743	92 864	13 614	499 942	446 804	91 971	13 548	99.1847
Q3	512 380	509 159	456 492	93 054	13 461	501 695	448 336	91 802	13 301	99.6442
Q4	517 974	524 670	462 405	93 862	13 555	503 535	449 973	92 088	13 230	100.3640
2018 Q1	520 742	521 334	465 530	94 730	13 199	504 001	450 364	92 275	12 710	100.8071
Q2	524 731	519 535	467 864	94 734	13 247	506 031	452 169	91 937	12 873	101.1718
Q3	530 604	528 184	473 368	96 957	14 493	509 120	454 930	92 514	13 984	101.6834
Percentage change, latest financial year on previous financial year										
2014/15	4.2	4.1	4.3	2.2	3.3	2.9	3.5	1.9	1.5	1.3
2015/16	3.0	3.1	2.9	1.4	-1.6	2.2	2.2	1.6	-2.1	0.8
2016/17	4.0	4.0	3.9	1.9	7.2	1.7	2.0	0.2	4.5	2.2
2017/18	3.5	3.6	3.6	1.4	0.9	1.6	1.6	0.2	-	1.9
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2015 Q2	1.7	-	1.7	-0.7	-2.5	0.6	0.7	0.9	-0.9	1.1
Q3	0.1	0.7	-0.1	1.9	-4.9	0.4	0.3	0.6	-5.5	-0.4
Q4	0.5	2.7	0.5	-0.7	-0.5	0.7	0.5	-0.2	-1.4	-0.3
2016 Q1	1.6	0.1	1.5	1.3	-1.4	0.3	0.3	0.4	-1.2	1.3
Q2	0.9	0.2	0.9	-0.1	8.1	0.2	0.4	-0.1	8.4	0.7
Q3	0.9	0.8	0.9	0.5	2.7	0.5	0.6	-	2.5	0.4
Q4	1.5	3.2	1.3	0.8	-0.4	0.7	0.9	-	-4.6	0.7
2017 Q1	1.0	-0.2	1.0	0.2	-	0.4	0.4	-0.4	-0.5	0.5
Q2	0.5	-	0.6	-0.1	1.6	0.3	0.3	0.4	4.9	0.2
Q3	0.8	0.8	0.6	0.2	-1.1	0.4	0.3	-0.2	-1.8	0.5
Q4	1.1	3.0	1.3	0.9	0.7	0.4	0.4	0.3	-0.5	0.7
2018 Q1	0.5	-0.6	0.7	0.9	-2.6	0.1	0.1	0.2	-3.9	0.4
Q2	0.8	-0.3	0.5	-	0.4	0.4	0.4	-0.4	1.3	0.4
Q3	1.1	1.7	1.2	2.3	9.4	0.6	0.6	0.6	8.6	0.5
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2015 Q2	3.2	3.0	3.3	2.0	10.3	2.4	2.9	1.2	9.1	0.7
Q3	2.3	2.7	2.0	1.1	-0.8	2.1	2.2	1.6	-1.8	0.2
Q4	2.8	3.1	2.8	0.7	-5.5	2.2	1.8	1.8	-6.2	0.5
2016 Q1	3.9	3.5	3.6	1.7	-9.1	2.1	1.8	1.7	-8.7	1.7
Q2	3.0	3.7	2.8	2.4	0.8	1.7	1.6	0.7	-0.2	1.3
Q3	3.8	3.9	3.9	1.0	8.9	1.7	1.9	0.2	8.3	2.1
Q4	4.9	4.4	4.7	2.6	9.0	1.7	2.3	0.4	4.7	3.1
2017 Q1	4.2	4.0	4.2	1.5	10.5	1.8	2.4	-0.5	5.5	2.4
Q2	3.8	3.8	3.9	1.4	3.8	1.9	2.2	-	2.0	1.9
Q3	3.8	3.8	3.6	1.1	-	1.8	1.9	-0.2	-2.2	1.9
Q4	3.4	3.6	3.6	1.2	1.1	1.4	1.4	0.1	2.0	1.9
2018 Q1	2.9	3.2	3.2	1.9	-1.5	1.1	1.1	0.7	-1.6	1.8
Q2	3.2	2.8	3.1	2.0	-2.7	1.2	1.2	-	-5.0	2.0
Q3	3.6	3.7	3.7	4.2	7.7	1.5	1.5	0.8	5.1	2.0

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

2 All data are seasonally adjusted unless otherwise specified.

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

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

Selected implied deflators¹

2017 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2014	96.3589	95.6174	96.1755
2015	96.2798	96.0340	96.4095
2016	97.7953	98.0101	98.2014
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2015 Q2	96.8571	96.5436	96.8532
Q3	96.4375	96.1907	96.4305
Q4	95.9701	95.9295	96.4508
2016 Q1	97.1290	97.1308	97.6379
Q2	97.7714	97.8120	98.0689
Q3	97.9182	98.1952	98.3573
Q4	98.3628	98.9026	98.7415
2017 Q1	99.3343	99.4359	99.3620
Q2	99.6032	99.6392	99.7295
Q3	100.1411	100.1009	99.9909
Q4	100.9214	100.8240	100.9176
2018 Q1	101.1687	101.2690	101.5114
Q2	101.4575	101.6354	101.6131
Q3	102.1536	102.1494	102.1845
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2014	1.2	1.7	1.2
2015	-0.1	0.4	0.2
2016	1.6	2.1	1.9
2017	2.3	2.0	1.8
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2015 Q2	1.0	1.1	1.0
Q3	-0.4	-0.4	-0.4
Q4	-0.5	-0.3	-
2016 Q1	1.2	1.3	1.2
Q2	0.7	0.7	0.4
Q3	0.2	0.4	0.3
Q4	0.5	0.7	0.4
2017 Q1	1.0	0.5	0.6
Q2	0.3	0.2	0.4
Q3	0.5	0.5	0.3
Q4	0.8	0.7	0.9
2018 Q1	0.2	0.4	0.6
Q2	0.3	0.4	0.1
Q3	0.7	0.5	0.6
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2015 Q2	0.2	0.7	0.3
Q3	-0.2	0.2	-0.2
Q4	-0.1	0.5	0.9
2016 Q1	1.3	1.7	1.8
Q2	0.9	1.3	1.3
Q3	1.5	2.1	2.0
Q4	2.5	3.1	2.4
2017 Q1	2.3	2.4	1.8
Q2	1.9	1.9	1.7
Q3	2.3	1.9	1.7
Q4	2.6	1.9	2.2
2018 Q1	1.8	1.8	2.2
Q2	1.9	2.0	1.9
Q3	2.0	2.0	2.2

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

2 Data are only considered accurate to 1 decimal place.

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

P GDP Per Head¹

£

	UK resident population mid-year estimates (persons thousands) ²	Current Prices		Chained volume measures (Reference year 2016)	
		Gross domestic product at market prices ³	Gross domestic product per head	Gross domestic product at market prices ³	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2014	64 597	1 844 295	28 551	1 890 493	29 266
2015	65 110	1 895 839	29 117	1 934 903	29 717
2016	65 648	1 969 524	30 001	1 969 524	30 001
2017	66 040	2 044 471	30 958	2 003 817	30 342
Seasonally adjusted					
2015 Q2	65 110	475 229	7 299	482 464	7 410
Q3	65 245	475 541	7 289	484 552	7 427
Q4	65 379	477 774	7 308	488 153	7 467
2016 Q1	65 514	485 326	7 408	489 736	7 475
Q2	65 648	489 494	7 456	490 502	7 472
Q3	65 746	493 730	7 510	492 816	7 496
Q4	65 844	500 974	7 608	496 470	7 540
2017 Q1	65 942	505 882	7 672	498 645	7 562
Q2	66 040	508 235	7 696	499 942	7 570
Q3	66 146	512 380	7 746	501 695	7 585
Q4	66 253	517 974	7 818	503 535	7 600
2018 Q1	66 359	520 742	7 847	504 001	7 595
Q2	66 466	524 731	7 895	506 031	7 613
Q3	66 572	530 604	7 970	509 120	7 648
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2014		4.7	3.9	2.9	2.2
2015		2.8	2.0	2.3	1.5
2016		3.9	3.0	1.8	1.0
2017		3.8	3.2	1.7	1.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2015 Q2		1.7	1.5	0.6	0.4
Q3		0.1	-0.1	0.4	0.2
Q4		0.5	0.3	0.7	0.5
2016 Q1		1.6	1.4	0.3	0.1
Q2		0.9	0.6	0.2	-
Q3		0.9	0.7	0.5	0.3
Q4		1.5	1.3	0.7	0.6
2017 Q1		1.0	0.8	0.4	0.3
Q2		0.5	0.3	0.3	0.1
Q3		0.8	0.6	0.4	0.2
Q4		1.1	0.9	0.4	0.2
2018 Q1		0.5	0.4	0.1	-0.1
Q2		0.8	0.6	0.4	0.2
Q3		1.1	0.9	0.6	0.5
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2015 Q2		3.2	2.3	2.4	1.6
Q3		2.3	1.5	2.1	1.3
Q4		2.8	1.9	2.2	1.4
2016 Q1		3.9	3.0	2.1	1.2
Q2		3.0	2.2	1.7	0.8
Q3		3.8	3.0	1.7	0.9
Q4		4.9	4.1	1.7	1.0
2017 Q1		4.2	3.6	1.8	1.2
Q2		3.8	3.2	1.9	1.3
Q3		3.8	3.1	1.8	1.2
Q4		3.4	2.8	1.4	0.8
2018 Q1		2.9	2.3	1.1	0.4
Q2		3.2	2.6	1.2	0.6
Q3		3.6	2.9	1.5	0.8

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



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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2015	L3BB 1.1	L3BG 1.2	L3BH 8.0	L3BN -	L3DM 1.0	L3DQ 3.4	L3DW 4.4	L3E2 2.7	L3GP 4.5	KI8L 4.1	KI8N 2.6	KI8P 0.9
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.1	-
2017	2.9	2.0	0.6	2.6	-1.7	3.0	7.2	2.0	2.1	4.6	2.1	0.4
Contributions to growth												
2015	ZZ3V -	ZZ3W 0.2	ZZ3Y 0.1	ZZ3X -	ZZ3Z -	ZZ42 -	ZZ43 0.3	ZZ44 2.1	ZZ45 0.6	ZZ46 0.4	ZZ47 0.9	ZZ48 0.2
2016	-	0.1	-	-	-	0.1	0.2	1.5	0.5	0.4	0.7	-
2017	-	0.3	-	0.3	-	-	0.4	1.6	0.3	0.5	0.7	0.1
Percentage change, latest quarter on previous quarter												
Growth												
2016 Q1	L3BB -3.7	L3BG 0.1	L3BH -1.9	L3BN -0.1	L3DM 2.1	L3DQ 1.8	L3DW 0.3	L3E2 0.4	L3GP 1.1	KI8L 0.4	KI8N 0.5	KI8P -0.2
Q2	-1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.3	-0.4
Q3	-0.2	-0.4	5.1	-0.5	-3.9	0.1	1.1	0.8	0.9	2.9	0.7	-0.1
Q4	0.6	0.6	-7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.5	0.1
2017 Q1	2.0	0.4	3.5	0.6	-4.0	2.8	3.4	0.4	-0.3	0.3	0.8	0.5
Q2	0.6	0.3	1.8	0.3	0.8	-1.0	0.2	0.4	0.3	1.1	0.2	0.2
Q3	0.9	0.9	0.2	0.9	2.2	-0.6	0.5	0.3	0.3	0.6	0.5	-0.2
Q4	-0.3	0.6	-4.4	1.3	-0.7	0.7	0.6	0.4	0.2	1.2	0.5	-0.2
2018 Q1	-1.2	0.1	2.6	-0.1	1.2	-1.3	-1.6	0.3	0.2	-	0.5	0.2
Q2	0.1	-0.8	0.7	-0.7	-3.3	0.8	0.8	0.6	1.6	1.5	0.1	0.4
Q3	0.2	0.8	1.7	0.6	1.9	0.3	2.1	0.4	0.8	1.4	0.3	-0.1
Contributions to growth												
2016 Q1	ZZ2F -	ZZ2G -	ZZ2I -	ZZ2H -	ZZ2J -	ZZ2K -	ZZ2L -	ZZ2M 0.3	ZZ2N 0.2	ZZ2O -	ZZ2P 0.2	ZZ2Q -0.1
Q2	-	0.3	-	0.1	0.1	-	0.1	0.1	0.1	-	0.1	-0.1
Q3	-	-0.1	0.1	-0.1	-0.1	-	0.1	0.6	0.1	0.3	0.2	-
Q4	-	0.1	-0.1	0.1	-	-	0.2	0.6	0.2	0.2	0.2	-
2017 Q1	-	0.1	-	0.1	-0.1	-	0.2	0.3	-	-	0.3	0.1
Q2	-	-	-	-	-	-	-	0.3	-	0.1	0.1	-
Q3	-	0.1	-	0.1	-	-	-	0.2	-	0.1	0.2	-
Q4	-	0.1	-	0.1	-	-	-	0.3	-	0.1	0.2	-
2018 Q1	-	-	-	-	-	-	-0.1	0.2	-	-	0.2	-
Q2	-	-0.1	-	-0.1	-0.1	-	0.1	0.5	0.2	0.2	-	0.1
Q3	-	0.1	-	0.1	-	-	0.1	0.3	0.1	0.2	0.1	-
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2016 Q1	L3ZZ -5.0	L426 -0.1	L427 3.3	L42D -1.1	L44C -1.4	L44G 6.8	L44M 2.5	L44Q 2.1	L47F 3.9	KII2 2.6	KIH9 2.1	KIH8 0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.0	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	2.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	1.9	-0.5
2017 Q1	1.3	2.4	2.5	2.7	-1.3	6.4	9.4	2.2	2.9	5.2	2.2	0.2
Q2	3.0	0.9	2.0	1.7	-4.8	2.4	7.7	2.4	2.7	6.2	2.2	0.7
Q3	4.2	2.3	-2.7	3.1	1.2	1.6	7.1	1.9	2.1	3.9	2.0	0.6
Q4	3.1	2.2	0.8	3.1	-1.8	1.8	4.7	1.5	0.5	3.3	2.0	0.3
2018 Q1	-0.1	2.0	-	2.3	3.5	-2.2	-0.3	1.3	1.1	2.9	1.7	-
Q2	-0.5	0.8	-1.1	1.3	-0.7	-0.4	0.4	1.5	2.3	3.3	1.6	0.2
Q3	-1.3	0.7	0.4	1.0	-1.0	0.5	2.0	1.7	2.8	4.1	1.3	0.3
Contributions to growth												
2016 Q1	ZZ36 -	ZZ37 -	ZZ39 -	ZZ38 -0.1	ZZ3A -	ZZ3B 0.1	ZZ3C 0.1	ZZ3D 1.7	ZZ3E 0.5	ZZ3F 0.3	ZZ3G 0.7	ZZ3H 0.2
Q2	-	0.1	-	-	0.1	0.1	0.2	1.3	0.4	0.2	0.7	-
Q3	-	0.1	-	-	-	0.1	0.3	1.5	0.5	0.4	0.7	-0.1
Q4	-	0.3	-	0.2	0.1	0.1	0.4	1.7	0.6	0.6	0.6	-0.1
2017 Q1	-	0.3	-	0.3	-	0.1	0.6	1.7	0.4	0.5	0.7	-
Q2	-	0.1	-	0.2	-0.1	-	0.5	1.9	0.4	0.7	0.7	0.2
Q3	-	0.3	-	0.3	-	-	0.4	1.5	0.3	0.4	0.7	0.1
Q4	-	0.3	-	0.3	-	-	0.3	1.2	0.1	0.4	0.7	0.1
2018 Q1	-	0.3	-	0.2	0.1	-	-	1.0	0.1	0.3	0.6	-
Q2	-	0.1	-	0.1	-	-	-	1.2	0.3	0.4	0.5	-
Q3	-	0.1	-	0.1	-	-	0.1	1.3	0.4	0.4	0.4	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	-0.8	-0.1	0.6	3.3	1.8	5.7	3.2	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2015	1.7	-	0.3	0.8	0.6	0.4	1.3	1.6	-0.4
2016	2.0	-	0.1	0.3	0.4	-	0.3	0.9	-0.7
2017	1.2	-	-	0.1	0.6	0.2	1.6	0.9	0.7
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4	
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6	
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1	
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2	
2017 Q1	0.6	-0.5	-0.4	2.0	1.0	-0.2	-0.4	0.3	
Q2	0.3	-0.5	0.4	-0.2	1.8	1.8	1.1	0.7	
Q3	0.3	-0.7	-0.2	-1.2	0.2	0.6	2.8	1.1	
Q4	0.3	-0.2	0.3	-1.1	0.7	0.5	1.0	-0.1	
2018 Q1	0.5	-0.5	0.2	-0.8	-1.0	-0.5	-0.8	-0.3	
Q2	0.4	-0.8	-0.4	5.0	-0.5	-0.7	-2.2	-0.2	
Q3	0.5	-0.7	0.6	-3.4	0.8	-1.2	2.7	-	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2016 Q1	0.7	-	0.1	-0.3	-	-0.2	-0.2	-0.1	-0.1
Q2	0.5	-	-	-0.4	0.3	0.1	0.3	0.2	0.1
Q3	0.8	-	-	1.5	0.2	0.1	-0.9	0.9	-1.8
Q4	-	-	-	-0.9	-0.1	-0.1	1.7	-	1.7
2017 Q1	0.4	-	-0.1	0.3	0.2	-	-0.1	0.1	-0.2
Q2	0.2	-	0.1	-	0.3	0.2	0.3	0.2	0.1
Q3	0.2	-	-	-0.2	-	0.1	0.8	0.3	0.5
Q4	0.2	-	0.1	-0.2	0.1	-	0.3	-	0.3
2018 Q1	0.3	-	-	-0.1	-0.2	-0.1	-0.2	-0.1	-0.1
Q2	0.2	-	-0.1	0.8	-0.1	-0.1	-0.7	-	-0.6
Q3	0.3	-	0.1	-0.6	0.1	-0.1	0.8	-	0.8
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4	
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2	
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1	
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5	
2017 Q1	2.7	0.6	-0.5	2.8	3.4	1.2	3.8	4.2	
Q2	2.1	-0.6	-	5.2	3.7	2.1	4.0	4.3	
Q3	1.3	-1.2	-0.2	-4.7	2.4	1.1	10.5	2.3	
Q4	1.6	-1.8	0.1	-0.5	3.7	2.7	4.7	2.0	
2018 Q1	1.5	-1.9	0.7	-3.3	1.7	2.3	4.3	1.4	
Q2	1.6	-2.2	-	1.7	-0.6	-0.2	0.8	0.6	
Q3	1.8	-2.3	0.8	-0.5	-	-1.9	0.7	-0.5	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2016 Q1	2.1	-	0.3	-0.5	0.1	-0.2	0.3	0.1	0.1
Q2	2.0	-	0.1	0.1	0.2	-0.1	0.3	0.9	-0.6
Q3	2.0	-	-	1.7	0.8	0.3	-0.3	1.7	-2.1
Q4	2.0	-	0.1	-0.2	0.4	-	0.9	1.0	-0.1
2017 Q1	1.7	-	-0.1	0.5	0.6	0.1	1.1	1.2	-0.2
Q2	1.3	-	-	0.9	0.6	0.2	1.1	1.3	-0.1
Q3	0.8	-	-	-0.8	0.4	0.1	2.9	0.7	2.2
Q4	1.0	-0.1	-	-0.1	0.6	0.3	1.4	0.6	0.8
2018 Q1	0.9	-0.1	0.1	-0.6	0.3	0.2	1.3	0.4	0.8
Q2	1.0	-0.1	-	0.3	-0.1	-	0.2	0.2	0.1
Q3	1.1	-0.1	0.1	-0.1	-	-0.2	0.2	-0.2	0.4

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	4.3	3.2	1.2	2.9
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2015	1.5	-	0.9	0.3
2016	1.8	1.0	0.6	0.5
2017	2.1	0.7	0.2	0.4
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.2	0.4	-0.5
Q2	1.5	-2.7	0.5	0.8
Q3	0.7	0.4	0.2	1.9
Q4	1.0	2.4	0.6	-0.8
2018 Q1	0.8	0.3	1.4	-1.6
Q2	0.7	-0.7	0.5	4.5
Q3	1.3	1.4	0.8	0.4
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2016 Q1	-0.4	1.8	-	0.1
Q2	1.5	-1.1	0.3	0.2
Q3	1.0	-0.1	-	-
Q4	-0.1	1.4	-	0.3
2017 Q1	0.5	0.3	0.1	-0.1
Q2	0.8	-0.6	0.1	0.1
Q3	0.3	0.1	-	0.2
Q4	0.5	0.5	0.1	-0.1
2018 Q1	0.4	0.1	0.2	-0.2
Q2	0.4	-0.2	0.1	0.5
Q3	0.6	0.2	0.1	-
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	2.3	1.6	3.2
Q2	4.2	4.2	0.6	2.7
Q3	2.9	5.1	1.0	4.5
Q4	4.1	1.3	1.8	1.3
2018 Q1	4.0	0.4	2.8	0.2
Q2	3.2	2.5	2.8	3.8
Q3	3.9	3.5	3.3	2.3
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2016 Q1	1.1	1.3	0.9	0.6
Q2	2.0	-0.3	0.8	0.5
Q3	2.3	0.8	0.4	0.3
Q4	2.0	2.1	0.3	0.6
2017 Q1	2.8	0.5	0.3	0.4
Q2	2.1	0.9	0.1	0.3
Q3	1.5	1.1	0.2	0.5
Q4	2.0	0.3	0.3	0.2
2018 Q1	1.9	0.1	0.5	-
Q2	1.6	0.5	0.5	0.5
Q3	1.9	0.7	0.5	0.3

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

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

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

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

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							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	1.7	1.4	3.6	2.4	4.9	5.6	
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T	
2016 Q1	0.2	-	0.9	5.5	0.2	1.6	1.4	
Q2	0.4	-0.2	-	2.5	0.6	2.6	2.4	
Q3	0.1	0.6	0.5	-0.3	0.4	5.1	3.8	
Q4	1.0	0.2	0.8	-1.9	1.0	2.3	1.9	
2017 Q1	0.7	0.6	0.7	2.4	0.4	0.1	1.4	
Q2	0.3	0.4	-0.5	0.9	0.4	-0.2	0.1	
Q3	-	0.6	0.4	2.7	0.8	-0.1	0.2	
Q4	0.9	0.2	0.6	0.7	0.7	0.4	0.6	
2018 Q1	0.8	0.5	0.7	-2.4	0.6	0.2	-0.4	
Q2	0.2	0.8	0.4	0.3	0.1	2.1	1.8	
Q3	0.4	0.7	1.7	0.8	0.8	1.0	1.7	
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92	
2016 Q1	1.1	0.3	-	3.7	0.6	-0.1	-1.6	
Q2	1.3	0.8	1.6	-0.9	1.5	2.7	1.3	
Q3	1.8	0.5	0.9	1.6	1.3	9.6	6.9	
Q4	1.8	0.6	2.2	5.7	2.3	12.1	9.8	
2017 Q1	2.3	1.2	2.0	2.6	2.4	10.5	9.7	
Q2	2.2	1.9	1.4	1.0	2.3	7.5	7.3	
Q3	2.1	1.8	1.3	4.1	2.7	2.2	3.6	
Q4	2.0	1.8	1.1	6.8	2.4	0.3	2.3	
2018 Q1	2.1	1.7	1.1	1.9	2.6	0.4	0.5	
Q2	2.0	2.0	2.1	1.3	2.2	2.7	2.2	
Q3	2.3	2.2	3.4	-0.7	2.2	3.9	3.7	

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

2 Non-profit institutions serving households