

Statistical bulletin

Second estimate of GDP: October to December 2017

The second quarterly estimate of GDP based on additional data but produced later than the preliminary estimate, providing a more precise indication of economic growth.



Contact:
Robert Kent-Smith
gdp@ons.gsi.gov.uk
+44(0)1633 651618

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Correction

22 February 2018

A correction has been made to the text in section 5. This was due to a small error in the text discussing growth in change in inventories and acquisitions less disposal of valuables components. You can see the original content in the superseded version. We apologise for any inconvenience.

Notice

22 February 2018

A change was made in UK National Accounts: the Blue Book 2017 to correct the estimation of elements of purchased software, which were being double-counted from 2001 onwards along with discrepancies in the modelled data prior to 2001. During further quality assurance, we have identified that 2017 adjustment did not fully address the issue and an additional amendment to other machinery and equipment, and information and communication technology (ICT) equipment is required. Purchased software will be unaffected by this additional amendment. When implemented in the Blue Book 2018-consistent Quarterly National Accounts dataset, to be published 29 June 2018, it will increase the level of gross fixed capital formation (GFCF) across the period by around 1.5% per year in current prices. The average impact on quarter-on quarter GFCF current price growth is positive 0.01% and the average impact on quarter-on-quarter gross domestic product (GDP) current price growth is 0.00%. We do not yet know the definitive impact on the chained volume measures of GFCF or GDP growth rates, we expect them, though, to be similarly small.

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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 3 (July to Sept) and Quarter 4 (Oct to Dec) 2017; this is a 0.1 percentage point revision down from the preliminary estimate of GDP, in part reflecting a small downward revision to the estimated output of the production industries.
- Growth in the latest quarter was driven by business services and finance within the services sector, there was, though, a small downward revision to services since the preliminary estimate of GDP, but this does not impact on services quarterly growth to one decimal place.
- Business investment growth was flat between Quarter 3 (July to Sept) and Quarter 4 (Oct to Dec) 2017, but when compared with the same quarter a year ago business investment grew by 2.1%.
- GDP was estimated to have increased by 1.7% between 2016 and 2017, a downward revision of 0.1 percentage points from the preliminary estimate and slightly lower than the 1.9% growth seen between 2015 and 2016.
- Household spending grew by 1.8% between 2016 and 2017, its slowest rate of annual growth since 2012, in part reflecting the increased prices faced by consumers.

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.

This second estimate of GDP is produced around seven and a half weeks after the end of the quarter. At this stage the data content of this estimate from the output measure of GDP has risen since the [preliminary estimate](#) to around 90% of the total required for the final output-based estimate. There is also around 70% data content available to produce estimates of GDP from the expenditure approach and 60% data content for 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.

Revisions

In line with the [National Accounts Revisions Policy](#) the time series open for revision in this release is Quarter 1 (Jan to Mar) 2017 onwards. As usual practice, with the proximity to the budget we publish more detailed breakdowns of some components, but these have been suppressed in the latest quarter representing lower data content at the second estimate of GDP.

This release is the first time an annual estimate of GDP for 2017 has been published for the expenditure and income approaches. In an incomplete year, some component data are forecast forwards to provide the best approach to forecasting and seasonal adjustment. When actual data for the full year are available it is not unusual for the quarterly path of component series to be subject to revision – in this release, this is a particular feature of the detailed gross fixed capital formation (GFCF) dataset.

Release content

All data included within this release are seasonally adjusted.

Exceptional pre-release access for Office for Budget Responsibility

[The Office for Budget Responsibility was granted exceptional pre-release access to GDP at 9:30am on 20 February 2018](#) so that they can prepare forecasts for the Spring Statement to be published on 13 March 2018.

3 . The 2017 quarterly picture

UK gross domestic product (GDP) increased by 0.4% between Quarter 3 (July to Sept) 2017 and Quarter 4 (Oct to Dec) 2017.

Table 1 shows GDP and the headline economic indicators from 2015 onwards.

Table 1: Headline economic indicators and GDP per head for the UK, Quarter 1 (Jan to Mar) 2015 to Quarter 4 (Oct to Dec) 2017

	Chained volume measures				Current market prices	
	GDP	Household expenditure	Gross fixed capital formation	GDP per head	GDP	Compensation of employees
Seasonally adjusted						
2015	2.3	2.7	2.8	1.5	2.8	3.1
2016	1.9	3.1	1.8	1.1	3.9	4.2
2017	1.7	1.8	3.9	1.1	3.8	4.1
Q1 2015	0.3	1.0	2.8	0.1	0.6	0.5
Q2 2015	0.6	0.7	1.4	0.4	1.6	0.8
Q3 2015	0.4	1.0	-3.1	0.2	0.0	0.7
Q4 2015	0.7	0.4	0.1	0.6	0.4	0.9
Q1 2016	0.2	0.8	0.7	-0.1	1.5	0.2
Q2 2016	0.5	1.1	2.0	0.3	1.2	2.4
Q3 2016	0.5	0.8	1.1	0.4	1.1	1.4
Q4 2016	0.7	0.3	0.7	0.6	1.3	0.6
Q1 2017	0.2	0.4	0.8	0.1	0.8	1.1
Q2 2017	0.3	0.3	1.2	0.1	0.8	1.0
Q3 2017	0.5	0.4	0.7	0.3	0.8	0.6
Q4 2017	0.4	0.3	1.1	0.2	0.7	0.5

Source: Office for National Statistics

Notes:

1. Percentage change on previous quarter.

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).

3. Updated population data were been taken on for the quarterly tail (2016 Q1 onwards) in the December 2017 Quarterly National Accounts. Updates to population estimates before this point will be incorporated when the whole time series is open for revision in Blue Book 2018 (June 2018).

There are revisions to the 2017 quarterly path by 0.1 percentage points in several quarters when compared with the [preliminary estimate of GDP](#) published on 26 January 2018. The current and previous estimates of growth are displayed in Table 2.

Table 2: Current and previous GDP growth estimates for the UK, Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2017

	% growth ¹	
	Current estimate	Previous estimate
Q1 2017	0.2	0.3
Q2 2017	0.3	0.3
Q3 2017	0.5	0.4
Q4 2017	0.4	0.5

Source: Office for National Statistics

Notes:

1. Percentage change on previous quarter.
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).
3. Previous estimate refers to preliminary estimate of GDP, published on 26 January 2018.

In addition to the revisions to Quarter 4 2017 discussed in the main points, there have been revisions to Quarter 1 (Jan to Mar) and Quarter 3 (July to Sept).

Figure 1 shows the seasonally adjusted level of GDP along with quarterly growths. The growth between Quarter 3 2017 and Quarter 4 2017 is the 20th consecutive quarterly increase and continues the UK's period of growth since Quarter 1 2013.

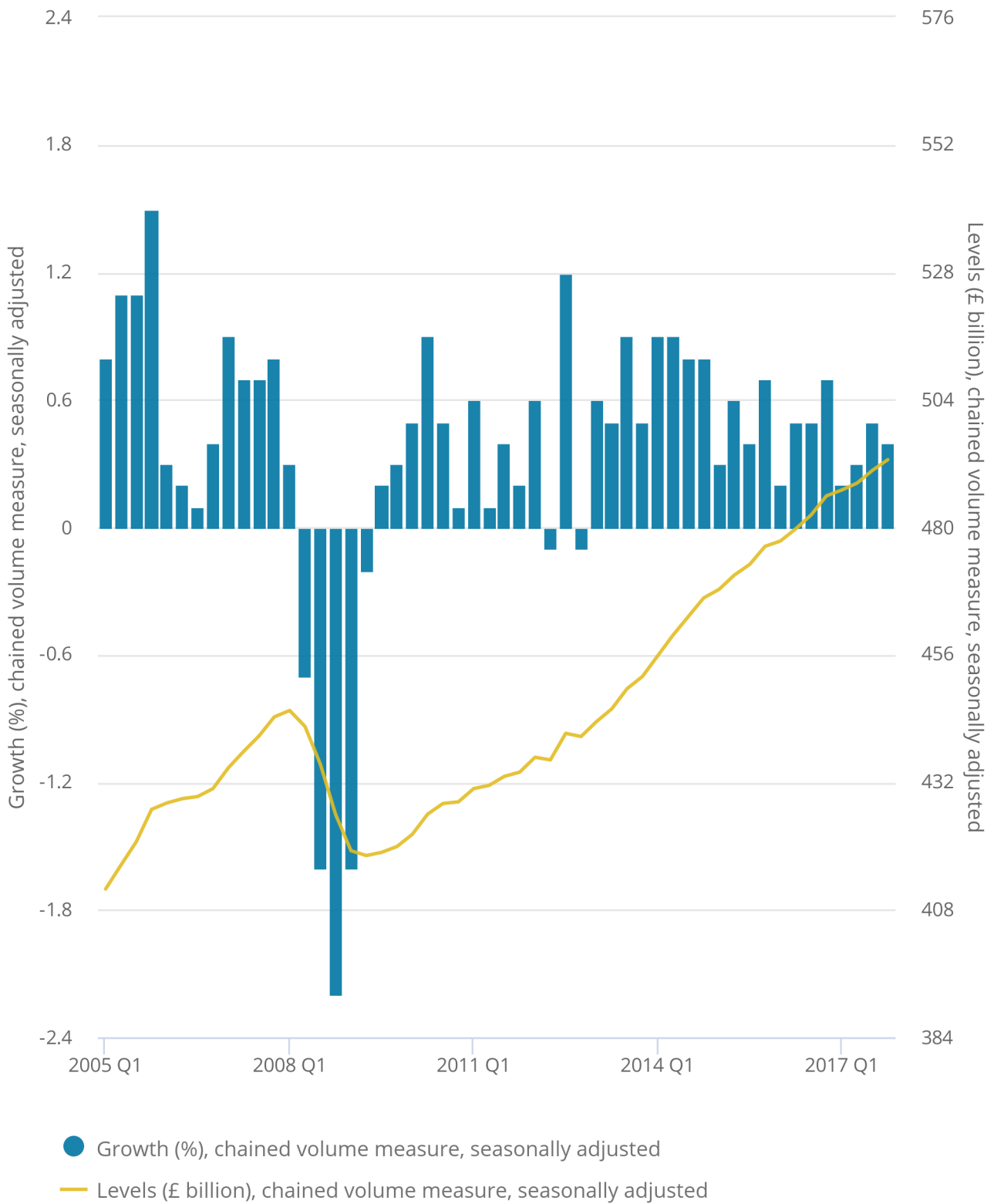
Growth in UK GDP is now 10.6% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed it in Quarter 2 (Apr to June) 2013.

Figure 1: Quarterly growth and levels of GDP for the UK, Table A2

Quarter 1 (Jan to Mar) 2005 to Quarter 4 (Oct to Dec) 2017

Figure 1: Quarterly growth and levels of GDP for the UK, Table A2

Quarter 1 (Jan to Mar) 2005 to Quarter 4 (Oct to Dec) 2017



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).

When looking at UK GDP growth in volume terms in the current quarter (Quarter 4 2017) compared with the same quarter a year ago (Quarter 4 2016), GDP increased by 1.4%. This is revised down from 1.5% in the [preliminary estimate of GDP](#).

Implied deflator

The GDP implied deflator at market prices for Quarter 4 2017 is 1.7% above the same quarter of 2016. The GDP implied deflator is calculated by dividing current price (nominal) GDP by chained volume (real) GDP and multiplying by 100 to convert to an index. It is not used in the calculation of GDP; the deflators for expenditure components, which are the basis for the implied GDP deflator, are used directly in the compilation of real GDP.

GDP per head

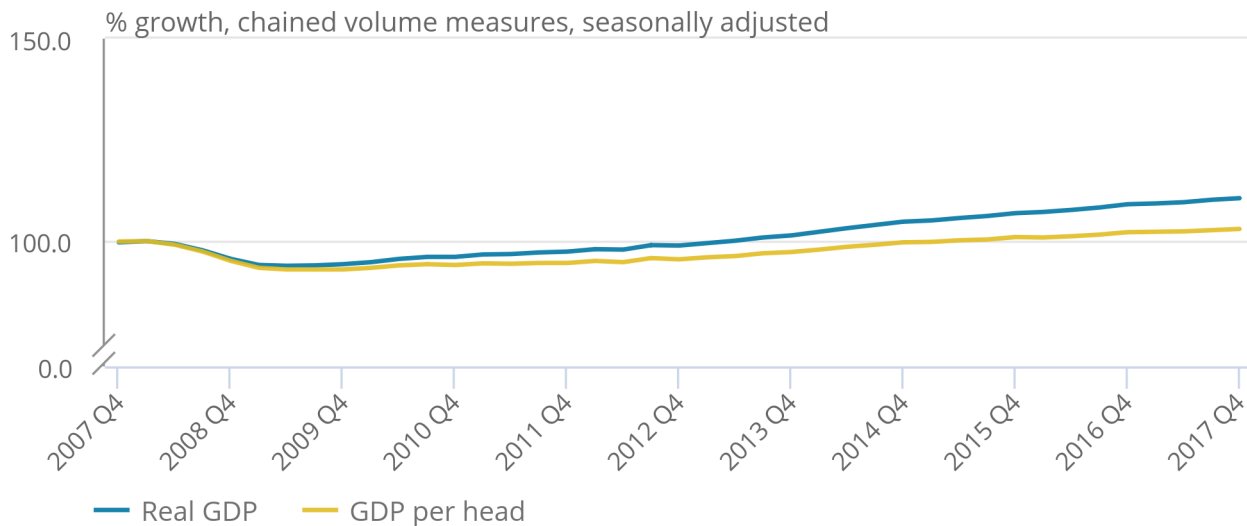
In Quarter 4 2017, GDP per head grew by 0.2% compared with Quarter 3 2017. GDP per head is now 3.0% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed this peak in Quarter 2 2015 (Figure 2).

Figure 2: Quarterly growth of UK GDP and GDP per head for the UK, indexed to Quarter 1 (Jan to Mar) 2008=100

Quarter 4 (Oct to Dec) 2007 to Quarter 4 2017

Figure 2: Quarterly growth of UK GDP and GDP per head for the UK, indexed to Quarter 1 (Jan to Mar) 2008=100

Quarter 4 (Oct to Dec) 2007 to Quarter 4 2017



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).

GDP per head is calculated by dividing GDP in chained volume measures by the population estimates and projections. It is not a measure of productivity or well-being, but is a useful statistic as it removes the impact of the changing size of the population from headline GDP figures.

The [population estimates](#) used in this release are those published on 22 June 2017 and the [population projections](#) used are those published on 26 October 2017.

4. Services contribute most to the output approach of GDP in Quarter 4 2017

The output approach to measuring gross domestic product (GDP) involves estimating production activity within the UK economy. It increased by 0.4% between Quarter 3 (July to Sept) 2017 and Quarter 4 (Oct to Dec) 2017, revised down by 0.1 percentage points from the preliminary estimate of GDP. This was driven by revisions to estimates of production, partially offset by upward revisions to construction.

Services

The largest component within the output approach of GDP is the services industries, which contributed to the growth of 0.4% in the output measure of GDP in Quarter 4 2017. Services increased by 0.6% overall, there was a small downward revision to services since the [preliminary estimate of GDP](#), but this does not impact on services quarterly growth to one decimal place. Positive growth was recorded within three of the four sub-sectors of the services industries between Quarter 3 2017 and Quarter 4 2017:

- transport, storage and communications increased by 1.1%
- business services and finance increased by 0.9%
- government and other services increased by 0.2%
- distribution, hotels and restaurants decreased by 0.2%

Data for the retail industry are broadly comparable with [Retail sales in Great Britain: December 2017](#), published on 19 January 2018, but as the two series operate under different revisions policies, there can be timing differences in the updating of the two series. Therefore, inconsistencies between the two series are not unusual but tend to be small. There are also conceptual and coverage differences between retail sales and retail output, which can lead to apparent inconsistencies.

Further detail on the services industries' lower-level components can be found in the [Index of Services statistical bulletin](#).

Production

Production output was estimated to have increased by 0.5% between Quarter 3 2017 and Quarter 4 2017, revised down by 0.1 percentage points from the [preliminary estimate of GDP](#). Within production, manufacturing was the only sub-sector to increase, growing by 1.3% in Quarter 4 2017 compared with Quarter 3 2017. Of the other sub-sectors, water supply industries remained flat to one decimal place, electricity, gas and steam and air conditioning decreased by 0.5% and mining and quarrying including oil and gas extraction decreased by 4.7%. The decrease in mining and quarrying was partly due to the shut-down of the Forties pipeline system (FPS) for a large part of December 2017.

More information can be found in the [Index of Production statistical bulletin](#), which was published on 9 February 2018.

Construction

Construction output was estimated to have decreased by 0.7% in the fourth quarter of 2017, revised upwards from negative 1.0% in the [preliminary estimate of GDP](#). This is the third consecutive quarter to show contraction, after a sustained period of positive growth in all quarters since Quarter 4 (Oct to Dec) 2015.

Despite this being the third quarter showing negative growth, the annual growth in 2017 of 5.1% is stronger than the 3.9% growth seen in 2016. This strength reflects strong growth in construction output in late 2016 and the first quarter of 2017.

Further information relating to the most recent quarter can be found in the [Construction output in Great Britain statistical bulletin](#).

Agriculture

Agriculture, the sector that makes up the smallest proportion of total output, decreased by 0.9% into Quarter 4 2017. This was revised down from a decrease of 0.4% in the [preliminary estimate of GDP](#) due to taking on updated source data.

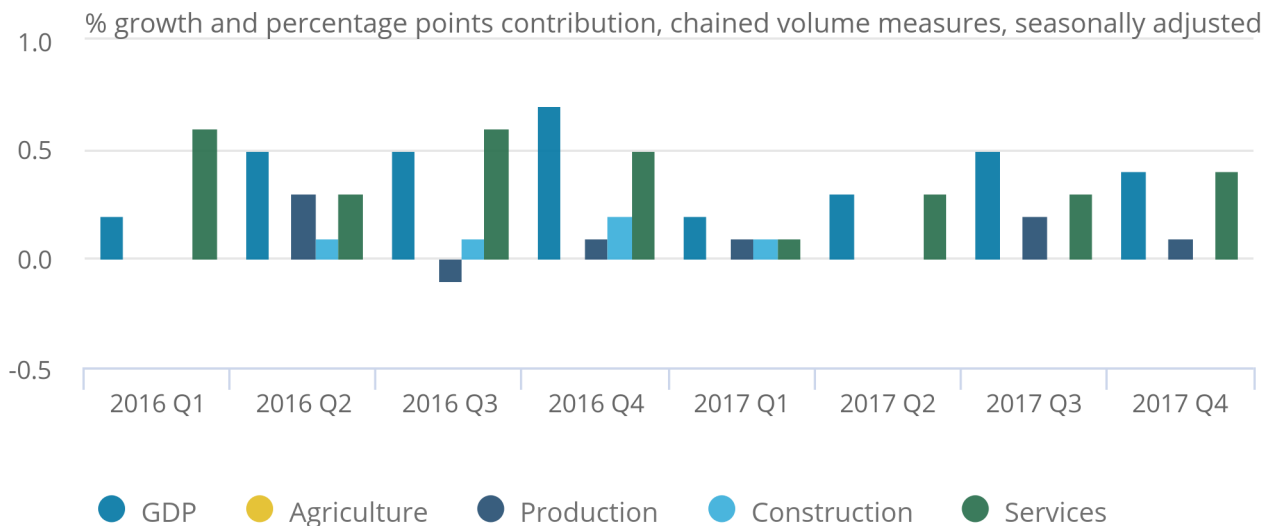
Figure 3 shows the contributions to GDP growth from the sectors of output. The services industries contributed most to GDP growth in Quarter 4 2017, with 0.4 percentage points. Throughout the periods shown in Figure 3, services have contributed most to GDP growth in all quarters.

Figure 3: Output components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017

Figure 3: Output components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017



Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Contributions are to output gross value added and therefore may not sum to the percentage change in average GDP.

5 . Slowdown in growth of household spending and business investment in Quarter 4 2017

The expenditure approach to measuring gross domestic product (GDP) increased by 0.4% between Quarter 3 (July to Sept) 2017 and Quarter 4 (Oct to Dec) 2017. The expenditure approach is the sum of all final expenditures within the economy, that is, all expenditure on goods and services that are not used up or transformed in the production process.

Household final consumption expenditure (HHFCE)

HHFCE, or household spending, grew by 0.3% between Quarter 3 2017 and Quarter 4 2017. There has been a slow rate of growth in all quarters of 2017, when compared with the previous year. Household spending grew more strongly in the start of 2016, with a slowdown of growth in late 2016 and throughout 2017.

The annual rate of growth for 2017 is 1.8%, compared with 3.1% in 2016. This is the lowest rate of annual growth in household spending since 2012, when growth was also 1.8%. This lower rate of annual growth can in part be explained by the rise in prices faced by consumers.

General government final consumption expenditure (GGFCE)

GGFCE increased by 0.6% between Quarter 3 and Quarter 4 2017. The largest contributor to this increase was healthcare, followed by spending on public administration and education.

Revisions to other quarters in 2017 are driven by healthcare and public administration, where outturn information has replaced budgetary estimates.

Gross capital formation (GCF)

In Quarter 4 2017, gross fixed capital formation (GFCF) increased by 1.1% compared with Quarter 3 2017. Business investment makes up the largest proportion of total GFCF. In Quarter 4 2017, business investment was flat to one decimal place. The flat quarter-on-quarter performance of business investment in Quarter 4 2017 follows growth of 0.9% in Quarter 3 2017.

The general government and private dwelling sectors of GFCF contributed most to the GFCF increase in Quarter 4 2017, growing by 5.6% and 1.4% respectively. Further details of the asset and sector breakdown of GFCF can be found within the [Business investment release](#).

The other components of GCF are change in inventories and the acquisition less disposals of valuables. The change in inventories component decreased, while the acquisition less disposals of valuables component increased between Quarter 3 and Quarter 4 2017. User should be aware that a number of adjustments have been applied to the changes in inventories dataset to help balance the different measurement approaches to GDP, so the change in inventories component should be considered accordingly. Please see the [Quality and methodology section](#) for further information about the balancing adjustments applied to this dataset.

Trade in goods and services

In Quarter 4 2017, the net trade deficit widened to £12,237 million in volume terms, from £9,661 million in Quarter 3 2017. This was due in part to large increases in the price of fuels that were imported combined with decreases in the volumes of fuels exported. Total trade imports increased by 1.5% whilst total exports decreased by 0.2%, between Quarter 3 and Quarter 4 2017.

Despite the widening of the trade deficit in the latest quarter, looking at 2017 as a whole the trade deficit has narrowed, from £46,912 million in 2016 to £40,404 million in 2017.

These figures are consistent with the monthly [UK trade release](#) published on 9 February 2018.

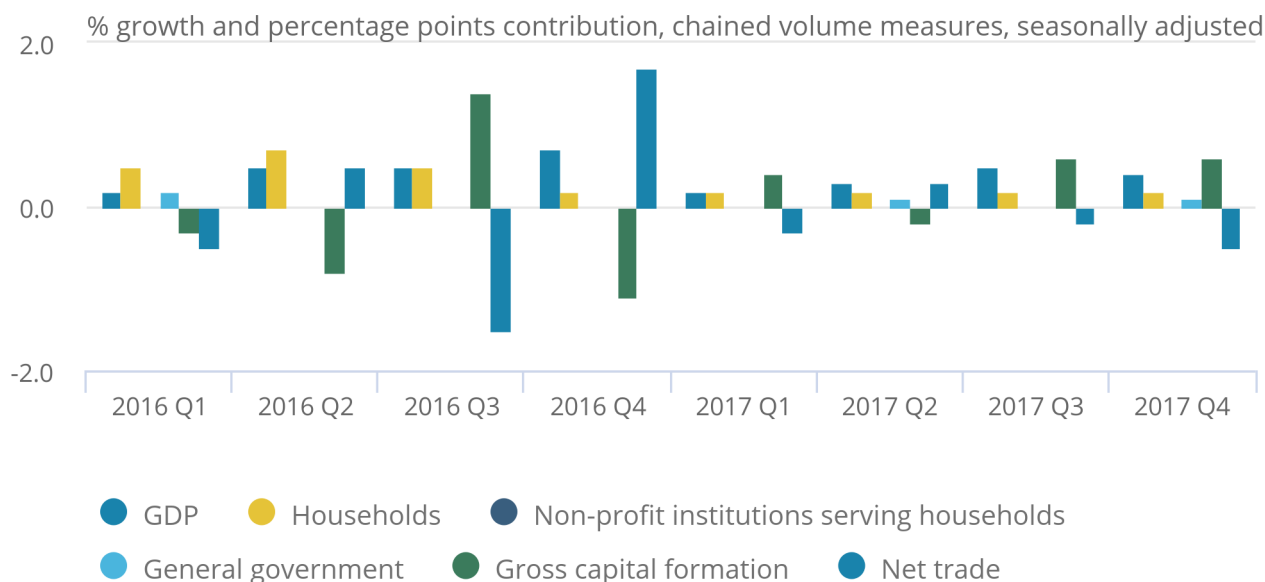
Figure 4 shows the quarterly contribution of the expenditure components to the growth of GDP in chained volume measures from Quarter 1 (Jan to Mar) 2016 to Quarter 4 2017. In the latest quarter, the largest contribution to growth was from gross capital formation at 0.6 percentage points, followed by household spending at 0.2 percentage points and general government at 0.1 percentage points. The GCF contribution was driven by acquisitions less disposals of valuables, in particular the trade in non-monetary gold. However, this was offset by the negative contribution from net trade of 0.5 percentage points, which also includes non-monetary gold, therefore making this transaction GDP-neutral. You can find out more about the impact of non-monetary gold in the article [A brief explanation of non-monetary gold in national accounts](#). The contribution of GFCF was 0.2 percentage points.

Figure 4: Expenditure components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017

Figure 4: Expenditure components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017



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

6 . The income approach to GDP in current prices increased by 0.7% in Quarter 4 2017

Nominal gross domestic product (GDP), or GDP not adjusted to take account of inflation, increased by 0.7% between Quarter 3 (July to Sept) 2017 and Quarter 4 (Oct to Dec) 2017.

The income approach measures income generated by production in the form of gross operating surplus (profits), compensation of employees (income from employment), mixed income (self-employment income) and taxes on products and production less subsidies for the whole economy.

All data quoted in the rest of this section are in current prices seasonally adjusted.

User should be aware that a number of adjustments have been applied to this dataset to help balance the different measurement approaches to GDP, so growth rates should be considered accordingly. Please see the [Quality and methodology section](#) for further information about the balancing adjustments applied to this dataset.

Compensation of employees (CoE)

CoE showed positive growth of 0.5% (seasonally adjusted) into Quarter 4 2017, slowing slightly from a 0.6% growth in Quarter 3 2017. Growth across the wages and salaries component remained broadly similar throughout the quarters of 2017, but there was a fall in employers' social contributions over the year.

Taxes on products and production less subsidies

Taxes on products and production less subsidies showed a decrease of 0.3% in Quarter 4 2017.

Other income

There was an increase in other income of 0.9% in Quarter 4 2017. This category includes mixed income (mostly self-employment income) and the operating surplus of the non-corporate sector.

Gross operating surplus of corporations

Gross operating surplus of corporations saw positive growth in Quarter 4 2017 of 1.3%. This includes the operating surplus of private corporations, private non-financial corporations and public corporations. It should be noted that one of the primary contributors to this growth was the alignment adjustment, further information can be found in the [Quality and methodology section](#).

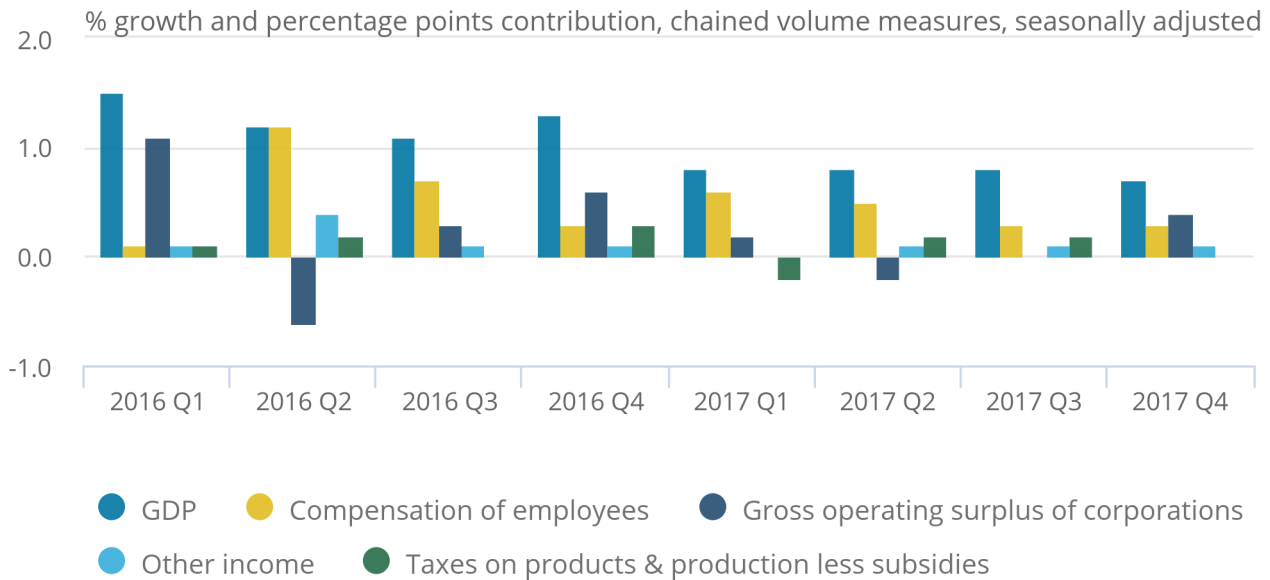
Figure 5 shows the contribution made by income components to current price GDP. Gross operating surplus of corporations was the largest contributor to the income measure of GDP in Quarter 4 2017, at 0.4 percentage points, followed by CoE at 0.3 percentage points.

Figure 5: Income components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017

Figure 5: Income components percentage contribution to UK GDP growth, quarter-on-quarter

Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017



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

7. The 2017 annual picture

UK gross domestic product (GDP) increased by 1.7% between 2016 and 2017, revised down 0.1 percentage points from the [preliminary estimate of GDP](#) published on 26 January 2018. This release is the first time annual estimates of GDP measured using the income and expenditure approaches, as well as average GDP, have been published (annual growth in the preliminary estimate is based only on the output approach to GDP).

The 2017 annual picture shows a slowdown in growth when compared with the 1.9% growth between 2015 and 2016, and is the slowest rate of annual growth since 2012, when growth was 1.5%.

The latest estimates of annual growth present a more divergent picture between the different approaches to measuring GDP; expenditure, income, and output (Table L in the [second estimate of GDP data tables](#) details the annual growth rates for the three approaches). In particular, the income approach is weaker through 2017 compared with the expenditure and output approaches.

Table 3 presents the contributions to annual growth in 2016 and 2017 for the main components of the three approaches to measuring GDP. Further information relating to the contributions to GDP growth can be found in Tables AA, AB and AC of the [second estimate of GDP data tables](#).

Table 3: Component contributions to UK annual GDP growth, 2016 and 2017

	Percentage point	
	2016	2017
Average GDP in chained volume measures¹	1.9	1.7
Output		
Agriculture	0.0	0.0
Production	0.2	0.3
Construction	0.2	0.3
Services	2.0	1.3
Expenditure		
Households	1.9	1.1
Non-profit institutions serving households	0.0	0.0
General government	0.2	0.1
Gross capital formation	0.2	0.4
Net trade	-0.8	0.4
Average GDP in current prices¹	3.9	3.8
Income		
Compensation of employees	2.0	2.0
Gross operating surplus of corporations	0.6	0.6
Other income	0.7	0.3
Taxes on products & production less subsidies	0.5	0.4

Source: Office for National Statistics

Notes:

1. Percentage change on previous year.

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).

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

Output

Despite increased contributions to growth in production and construction, there was a notable fall in contribution from the services industries, from 2.0 percentage points in 2016 to 1.3 percentage points in 2017. The slowdown was broad-based across a number of the sub-sectors of services, but notable in the consumer-focused industries.

Expenditure

In 2016, household spending contributed 1.9 percentage points to annual growth in GDP, in 2017 that fell to a 1.1 percentage points contribution. Consistent with rising prices experienced by households, this slowdown was broad-based across most of the categories of household expenditure.

A small slowdown in contribution to growth between 2016 and 2017 was also seen in general government final consumption expenditure (GGFCE).

Conversely, gross capital formation (GCF) and net trade increased their contribution to annual GDP growth between 2016 and 2017.

Contributions from gross fixed capital formation (GFCF) increased from 0.3 percentage points in 2016 to 0.6 percentage points in 2017, with broad-based growth across the sectors and assets. Business investment's contribution also increased from being flat in 2016 to 0.2 percentage points in 2017.

The contribution of net trade to GDP growth increased, with the contribution of exports growing from 0.6 percentage points in 2016 to 1.4 percentage points in 2017 and the contribution of imports slowing down from 1.4 percentage points in 2016 to 1.1 percentage points in 2017. This in part reflects rising fuel prices throughout 2017, along with increased exports of machinery and transport equipment.

Income

Compensation of employees, the largest component of income-based GDP, contributed 2.0 percentage points to annual GDP growth in both 2016 and 2017. Despite continued growth in the wages and salaries component, there was a fall in the growth of employers' social contributions in 2017.

Both other income, and taxes and subsidies components of income also saw a decrease in their contribution to annual growth in GDP in 2016 and 2017, while gross operating surplus of corporations remained flat in terms of its contribution to GDP growth over this period.

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

The estimates quoted in this international comparison section are the latest available estimates at the time of preparation of this statistical bulletin and may subsequently have been revised. At the time of preparation, data for Canada were unavailable; therefore are not included in the following analysis.

All of the areas included within our international comparisons witnessed positive growth in Quarter 4 (Oct to Dec) 2017. However, most areas experienced downward movements in the rate of growth in Quarter 4, when compared with their respective Quarter 3 (July to Sept) 2017 growth. Only France experienced an increased rate of growth in Quarter 4 when compared with Quarter 3, with growth in the latest quarter at 0.6% (Table 4).

The strongest growth seen in the latest quarter was 0.6% by 5 of the 10 areas that form this analysis (EU28, EA19, France, Germany and the USA). The weakest growth in the latest quarter was in Japan at 0.1%.

The European Union (EU28) economy grew by 0.6%, which meant that positive growth has now been seen in the area for 19 consecutive quarters. G7 countries saw a 0.5% growth in Quarter 4. All G7 countries are above pre-economic downturn peaks except for Italy whose GDP remains 5.7% below the pre-downturn peak (Quarter 1 (Jan to Mar) 2008). UK GDP is now 10.6% above the level recorded in Quarter 1 2008.

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

Table 4: International GDP growth rate comparisons, Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2017

Quarter on previous quarter % growth rates, Chained volume measures, seasonally adjusted

	% growth1									
	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2016	0.4	0.5	0.3	0.6	0.6	0.3	0.2	0.6	0.5	0.1
Q2 2016	0.4	0.4	0.4	-0.1	0.5	0.1	0.5	-0.3	0.3	0.6
Q3 2016	0.4	0.4	0.5	0.1	0.3	0.2	0.5	1.1	0.2	0.7
Q4 2016	0.7	0.7	0.5	0.5	0.4	0.4	0.7	0.6	0.4	0.4
Q1 2017	0.6	0.6	0.4	0.6	0.9	0.5	0.2	0.9	0.3	0.3
Q2 2017	0.7	0.7	0.7	0.6	0.6	0.3	0.3	1.0	0.6	0.8
Q3 2017	0.7	0.7	0.7	0.5	0.7	0.4	0.5	0.4	0.6	0.8
Q4 2017	0.6	0.6	0.5	0.6	0.6	0.3	0.4	..	0.1	0.6

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

Notes:

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

9 . Links to related statistics

Economic context

A [monthly economic commentary](#) has been published alongside this release, presenting new analysis on the latest economic data.

Business investment

Further details on business investment along with revision triangles and a real time database are available within the datasets of the [Business investment release](#), published on 22 February 2018.

Index of Services

The [Index of Services publication](#) was published on 22 February 2018 and includes data for December 2017.

Use of Value Added Tax (VAT) in the UK National Accounts articles

VAT turnover data were included in the calculation of UK gross domestic product (GDP) for the first time in December 2017. VAT turnover for July to September and revisions for earlier periods will be incorporated into estimates of quarterly GDP in the March 2018 release.

10 . Are there any upcoming changes?

New model for publishing GDP

We published a response to the consultation on proposed changes to the Gross domestic product (GDP) release schedule on 19 October 2017. [Further details on this response](#) are available on our Consultation Hub.

In summary, an estimate of monthly GDP will be published on 10 July 2018 (for the reference period of May) and there will be two quarterly estimates of GDP per quarter rather than the current three; the preliminary estimate of GDP will be deferred by around two weeks and the second estimate of GDP will be brought forward by two weeks to form the new first estimate, meaning the income and expenditure approaches to GDP will be made available earlier than presently. The first estimate of quarterly GDP (for Quarter 2 (Apr to June) 2018) under this new model will be published on 10 August 2018.

UK Economic Accounts (UKEA)

Office for National Statistics (ONS), like all government departments, has to ensure all of its outputs meet accessibility guidelines. As a result, from the Quarter 4 (Oct to Dec) 2017 (29 March 2018) release onwards, we will no longer be publishing a PDF file of the UK Economic Accounts (UKEA). The data contained in the current PDF file will continue to be available within the UKEA datasets that are currently published.

11 . 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 quarter 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 [second estimate of GDP datasets](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed. This has been the case for the income approach in Quarter 2 (Apr to June) 2017 and Quarter 4 (Oct to Dec) 2017, and the expenditure approach in Quarter 2 2017 to Quarter 4 2017. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the expenditure and income components of GDP as required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content. Balancing adjustments are larger than usual in 2017. In the expenditure approach, adjustments have focused on inventories where some caution should be used in the interpretation of quarterly levels. In the income approach, adjustments are generally smaller quarterly on individual components, but are larger than usual over the course of 2017 and on the income approach overall, the quarterly and annual growth rates should be interpreted in the context of these adjustments.

The size and direction of the quarterly alignment adjustments in Quarter 4 2017 indicate that in this quarter the level of expenditure and income are lower than the level of output.

Table 5: Balancing adjustments applied to the second estimate of GDP dataset for Quarter 1 (Jan to Mar) 2017 to Quarter 4 (Oct to Dec) 2017

GDP measurement approach and component adjustment applied to		Q1 2017	Q2 2017	Q3 2017	Q4 2017
Expenditure					
Household final consumption expenditure	Current prices				250
	Chained volume measure				250
Change in inventories	Current price			-3000	4000
	Chained volume measure			-3000	3000
Income					
Compensation of Employees	Current prices	450	500	675	300
Mixed income	Current prices				200
Gross operating surplus					
Household	Current prices	200	250	200	350
Private non-financial corporations	Current prices	100	100	100	500

Source: Office for National Statistics

Notes:

1. Adjustments are in £ million.

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

Further information

We are committed to ensuring all information provided is kept strictly confidential and will only be used for statistical purposes. Further details regarding confidentiality can be found in the respondent charters for [businesses](#) and [households](#).

A1 National accounts aggregates^{1,2}

2015 = 100

	Value indices at current prices		Chained volume indices			Implied deflators ³		
	Gross domestic product at market prices	Gross value added at basic prices	Gross domestic product at market prices	Gross value added at basic prices	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	L48H	YBFV	YBGB	CGBV
2014	97.3	97.3	97.7	97.6	97.3	99.9	99.5	99.7
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	103.9	103.9	101.9	101.7	102.9	101.6	102.0	102.1
2017	107.9	107.9	103.7	103.5	105.3	103.7	104.1	104.3
Seasonally adjusted								
2014 Q3	98.1	98.3	98.1	98.0	97.8	100.3	100.0	100.2
Q4	98.2	98.1	98.8	99.0	99.0	99.7	99.4	99.1
2015 Q1	98.8	98.9	99.2	99.3	99.3	99.6	99.6	99.6
Q2	100.3	100.4	99.8	99.9	99.9	100.7	100.5	100.5
Q3	100.3	100.2	100.2	100.1	100.1	100.3	100.1	100.2
Q4	100.6	100.5	100.9	100.8	100.8	99.4	99.8	99.8
2016 Q1	102.1	102.0	101.1	100.9	101.5	100.5	101.0	101.0
Q2	103.3	103.3	101.6	101.4	102.4	101.3	101.7	101.9
Q3	104.5	104.5	102.1	101.9	103.2	102.1	102.3	102.6
Q4	105.8	105.7	102.9	102.7	104.3	102.5	102.9	102.9
2017 Q1	106.7	106.6	103.1	102.9	104.6	103.2	103.4	103.6
Q2	107.5	107.5	103.4	103.2	104.9	103.5	104.0	104.2
Q3	108.4	108.2	103.9	103.7	105.5	103.7	104.3	104.4
Q4	109.2	109.2	104.3	104.1	106.1	104.2	104.6	104.9
Percentage change, latest year on previous year								
	IHYM	KGL6	IHYP	KGM7	L489	KH7D	IHYS	KGM4
2014	4.8	4.7	3.1	3.5	3.9	1.2	1.7	1.2
2015	2.8	2.8	2.3	2.5	2.7	0.1	0.5	0.3
2016	3.9	3.9	1.9	1.7	2.9	1.6	2.0	2.1
2017	3.8	3.9	1.7	1.7	2.3	2.0	2.1	2.1
Percentage change, latest quarter on previous quarter								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2014 Q3	0.9	1.1	0.8	1.0		0.1	0.2	0.2
Q4	0.1	-0.1	0.8	1.0	1.0	-0.6	-0.6	-1.2
2015 Q1	0.6	0.8	0.3	0.3	0.3	-0.1	0.2	0.5
Q2	1.6	1.5	0.6	0.6	0.6	1.1	1.0	0.9
Q3	-	-0.1	0.4	0.2	0.3	-0.4	-0.4	-0.3
Q4	0.4	0.3	0.7	0.7	0.7	-0.8	-0.4	-0.4
2016 Q1	1.5	1.4	0.2	0.2	0.7	1.1	1.3	1.3
Q2	1.2	1.3	0.5	0.5	0.9	0.7	0.7	0.8
Q3	1.1	1.2	0.5	0.5	0.8	0.9	0.6	0.7
Q4	1.3	1.1	0.7	0.7	1.0	0.3	0.5	0.3
2017 Q1	0.8	0.9	0.2	0.2	0.3	0.7	0.6	0.7
Q2	0.8	0.8	0.3	0.3	0.2	0.4	0.5	0.6
Q3	0.8	0.7	0.5	0.5	0.6	0.2	0.3	0.2
Q4	0.7	0.9	0.4	0.4	0.5	0.5	0.3	0.5
Percentage change, latest quarter on corresponding quarter of previous year								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2014 Q3	4.9	5.1	3.0	3.7	4.1	1.4	1.8	1.3
Q4	4.3	4.3	3.3	4.2	4.7	0.7	1.0	0.1
2015 Q1	3.3	3.6	2.7	3.3	3.7	0.1	0.6	0.3
Q2	3.2	3.3	2.5	2.9	3.1	0.5	0.7	0.4
Q3	2.3	2.0	2.1	2.1	2.3	-	0.1	-0.1
Q4	2.5	2.5	2.1	1.7	1.8	-0.2	0.4	0.7
2016 Q1	3.4	3.1	1.9	1.6	2.2	0.9	1.4	1.5
Q2	3.0	2.9	1.8	1.5	2.6	0.5	1.2	1.4
Q3	4.2	4.3	2.0	1.8	3.1	1.9	2.2	2.4
Q4	5.2	5.1	2.0	1.9	3.5	3.1	3.1	3.1
2017 Q1	4.5	4.6	2.0	2.0	3.1	2.6	2.4	2.6
Q2	4.0	4.1	1.8	1.8	2.4	2.3	2.2	2.3
Q3	3.8	3.6	1.8	1.7	2.2	1.5	2.0	1.8
Q4	3.2	3.3	1.4	1.4	1.7	1.7	1.7	1.9

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

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

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

A2 National accounts aggregates¹

£ million

	Current prices			Chained volume measures (Reference year 2015)			
	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	1 837 062	198 340	1 638 722	1 845 444	201 472	1 644 002	1 630 293
2015	1 888 737	203 800	1 684 937	1 888 737	203 800	1 684 937	1 669 628
2016	1 963 311	213 485	1 749 826	1 925 299	211 541	1 713 758	1 697 908
2017	2 038 714	220 789	1 817 925	1 958 724	215 476	1 743 248	1 727 641
Seasonally adjusted							
2014 Q3	463 142	49 166	413 976	463 201	50 220	412 967	409 632
Q4	463 704	50 336	413 368	466 727	49 485	417 178	413 779
2015 Q1	466 329	49 737	416 592	468 326	49 929	418 359	414 746
Q2	473 601	50 891	422 710	471 018	50 301	420 702	416 784
Q3	473 571	51 445	422 126	472 980	51 520	421 478	417 732
Q4	475 236	51 727	423 509	476 413	52 050	424 398	420 366
2016 Q1	482 226	52 720	429 506	477 421	52 363	425 058	421 194
Q2	487 939	52 978	434 961	479 693	52 702	426 991	423 018
Q3	493 386	53 127	440 259	482 288	53 037	429 251	425 015
Q4	499 760	54 660	445 100	485 897	53 439	432 458	428 681
2017 Q1	503 690	54 454	449 236	487 008	53 569	433 439	429 550
Q2	507 602	54 640	452 962	488 299	53 707	434 592	430 689
Q3	511 914	55 993	455 921	490 743	53 985	436 758	432 735
Q4	515 508	55 702	459 806	492 674	54 215	438 459	434 667
Percentage change, latest year on previous year							
	IHYM		KGL6	IHYP		KGM7	KLH8
2014	4.8		4.7	3.1		3.5	3.6
2015	2.8		2.8	2.3		2.5	2.4
2016	3.9		3.9	1.9		1.7	1.7
2017	3.8		3.9	1.7		1.7	1.8
Percentage change, latest quarter on previous quarter							
	IHYN		KGL8	IHYQ		KGM9	
2014 Q3	0.9		1.1	0.8		1.0	1.0
Q4	0.1		-0.1	0.8		1.0	1.0
2015 Q1	0.6		0.8	0.3		0.3	0.2
Q2	1.6		1.5	0.6		0.6	0.5
Q3	-		-0.1	0.4		0.2	0.2
Q4	0.4		0.3	0.7		0.7	0.6
2016 Q1	1.5		1.4	0.2		0.2	0.2
Q2	1.2		1.3	0.5		0.5	0.4
Q3	1.1		1.2	0.5		0.5	0.5
Q4	1.3		1.1	0.7		0.7	0.9
2017 Q1	0.8		0.9	0.2		0.2	0.2
Q2	0.8		0.8	0.3		0.3	0.3
Q3	0.8		0.7	0.5		0.5	0.5
Q4	0.7		0.9	0.4		0.4	0.4
Percentage change, latest quarter on corresponding quarter of previous year							
	IHYO		KGM2	IHYR		KGN3	KLH9
2014 Q3	4.9		5.1	3.0		3.7	3.9
Q4	4.3		4.3	3.3		4.2	4.3
2015 Q1	3.3		3.6	2.7		3.3	3.3
Q2	3.2		3.3	2.5		2.9	2.8
Q3	2.3		2.0	2.1		2.1	2.0
Q4	2.5		2.5	2.1		1.7	1.6
2016 Q1	3.4		3.1	1.9		1.6	1.6
Q2	3.0		2.9	1.8		1.5	1.5
Q3	4.2		4.3	2.0		1.8	1.7
Q4	5.2		5.1	2.0		1.9	2.0
2017 Q1	4.5		4.6	2.0		2.0	2.0
Q2	4.0		4.1	1.8		1.8	1.8
Q3	3.8		3.6	1.8		1.7	1.8
Q4	3.2		3.3	1.4		1.4	1.4

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}

2015 = 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		
2015 Weights³	7	12	101	17	10	140	61	137	104	329	222	793	1000	991
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2014	98.8	92.5	100.0	99.0	96.7	98.8	95.7	95.5	96.2	97.7	99.1	97.5	97.6	97.6
2015	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
2016	94.4	100.0	100.9	102.6	105.2	101.3	103.9	104.7	104.7	102.2	100.6	102.5	101.7	101.7
2017	93.7	99.9	103.8	101.4	108.1	103.5	109.2	106.5	108.5	104.1	100.8	104.1	103.5	103.5
Seasonally adjusted														
2014 Q3	99.6	91.6	100.3	101.2	95.4	99.0	97.5	95.9	96.8	98.1	99.4	97.9	98.0	98.1
Q4	101.9	92.9	100.7	99.4	96.5	99.3	97.9	97.6	98.5	99.2	100.0	99.1	99.0	99.1
2015 Q1	100.0	93.9	100.6	101.8	97.0	99.7	99.4	98.6	98.6	99.4	99.6	99.2	99.3	99.4
Q2	100.7	102.2	100.0	99.6	100.9	100.3	100.1	99.6	99.7	99.7	100.0	99.8	99.9	99.9
Q3	100.3	103.6	99.6	100.2	100.8	100.2	99.7	100.2	100.6	100.2	99.8	100.1	100.1	100.1
Q4	99.0	100.3	99.8	98.5	101.3	99.8	100.8	101.5	101.1	100.7	100.6	100.9	100.8	100.7
2016 Q1	95.1	97.8	99.8	99.8	102.7	99.8	101.2	103.0	102.6	101.4	100.9	101.7	100.9	100.9
Q2	94.1	100.2	101.2	105.4	105.4	101.9	102.8	103.9	103.0	102.0	100.6	102.0	101.4	101.3
Q3	93.9	105.5	100.6	101.0	105.8	101.4	104.1	105.1	105.8	102.5	100.5	102.9	101.9	101.8
Q4	94.6	96.5	102.1	104.1	107.0	102.2	107.4	106.8	107.4	103.0	100.2	103.4	102.7	102.7
2017 Q1	93.6	99.0	102.7	100.6	109.2	102.6	109.9	105.9	106.8	103.4	100.7	103.5	102.9	102.9
Q2	93.2	100.0	102.7	100.7	108.1	102.6	109.4	106.4	108.4	103.5	100.8	103.9	103.2	103.2
Q3	94.4	102.6	104.2	102.4	107.6	104.1	109.1	106.9	108.7	104.3	100.7	104.3	103.7	103.7
Q4	93.6	97.8	105.5	101.9	107.6	104.6	108.3	106.7	109.9	105.2	100.9	104.9	104.1	104.1
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	-5.8	0.6	1.5	9.0	4.7	2.7	3.8	2.4	3.4	3.5	3.6
2015	1.2	8.1	-	1.0	3.4	1.2	4.4	4.7	4.0	2.4	0.9	2.6	2.5	2.4
2016	-5.6	-	0.9	2.6	5.2	1.3	3.9	4.7	4.7	2.2	0.6	2.5	1.7	1.7
2017	-0.8	-0.1	2.8	-1.1	2.8	2.1	5.1	1.7	3.6	1.8	0.2	1.6	1.7	1.8
Percentage change, latest quarter on previous quarter														
													KGM9	
2014 Q3	1.7	-1.0	0.5	3.2	-0.6	0.5	3.0	1.0	1.6	0.9	0.6	0.9	1.0	1.0
Q4	2.3	1.4	0.4	-1.8	1.2	0.3	0.4	1.8	1.8	1.1	0.6	1.2	1.0	1.0
2015 Q1	-1.8	1.0	-0.1	2.4	0.5	0.3	1.6	1.0	0.1	0.2	-0.4	0.1	0.3	0.2
Q2	0.6	8.8	-0.6	-2.2	4.0	0.6	0.7	1.0	1.1	0.4	0.4	0.6	0.6	0.5
Q3	-0.3	1.4	-0.4	0.7	-	-	-0.4	0.6	0.9	0.4	-0.1	0.4	0.2	0.2
Q4	-1.3	-3.1	0.1	-1.8	0.5	-0.4	1.2	1.3	0.5	0.6	0.8	0.7	0.7	0.6
2016 Q1	-4.0	-2.5	-	1.4	1.3	-	0.4	1.5	1.5	0.7	0.3	0.8	0.2	0.2
Q2	-1.0	2.4	1.4	5.6	2.7	2.1	1.6	0.9	0.4	0.5	-0.3	0.3	0.5	0.4
Q3	-0.2	5.3	-0.6	-4.2	0.3	-0.5	1.2	1.2	2.8	0.6	-	0.8	0.5	0.5
Q4	0.7	-8.5	1.5	3.1	1.2	0.8	3.2	1.6	1.5	0.4	-0.3	0.6	0.7	0.9
2017 Q1	-1.0	2.6	0.6	-3.4	2.0	0.4	2.3	-0.8	-0.6	0.4	0.5	0.1	0.2	0.2
Q2	-0.5	1.0	-	0.1	-1.0	-	-0.5	0.4	1.5	0.1	0.1	0.4	0.3	0.3
Q3	1.3	2.6	1.4	1.7	-0.4	1.4	-0.3	0.5	0.3	0.7	-0.1	0.4	0.5	0.5
Q4	-0.9	-4.7	1.3	-0.5	-	0.5	-0.7	-0.2	1.1	0.9	0.2	0.6	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
2014 Q3	12.2	-2.2	3.0	-	-3.3	1.4	9.4	4.3	4.0	3.8	3.0	3.7	3.7	3.9
Q4	13.6	-0.4	2.9	-3.4	-2.5	1.3	8.4	5.9	5.5	4.5	2.9	4.4	4.2	4.3
2015 Q1	4.4	1.3	1.4	4.4	-1.9	1.4	7.0	5.4	5.0	3.4	1.4	3.4	3.3	3.3
Q2	2.8	10.4	0.2	1.5	5.1	1.8	5.7	4.9	4.7	2.6	1.2	2.9	2.9	2.8
Q3	0.7	13.1	-0.7	-1.0	5.7	1.2	2.2	4.5	3.9	2.1	0.5	2.3	2.1	2.0
Q4	-2.8	7.9	-0.9	-0.9	5.0	0.5	3.0	4.0	2.6	1.5	0.6	1.8	1.7	1.6
2016 Q1	-5.0	4.2	-0.8	-1.9	5.9	0.1	1.8	4.5	4.0	2.1	1.3	2.5	1.6	1.6
Q2	-6.5	-1.9	1.2	5.9	4.5	1.7	2.8	4.3	3.3	2.2	0.6	2.3	1.5	1.5
Q3	-6.4	1.8	0.9	0.7	4.9	1.2	4.5	4.9	5.2	2.3	0.7	2.7	1.8	1.7
Q4	-4.4	-3.8	2.3	5.7	5.6	2.4	6.5	5.2	6.3	2.2	-0.4	2.5	1.9	2.0
2017 Q1	-1.5	1.2	2.9	0.8	6.3	2.8	8.6	2.8	4.1	1.9	-0.2	1.8	2.0	2.0
Q2	-1.0	-0.2	1.5	-4.5	2.5	0.7	6.4	2.4	5.2	1.5	0.2	1.8	1.8	1.8
Q3	0.5	-2.7	3.6	1.5	1.8	2.6	4.8	1.7	2.7	1.7	0.1	1.4	1.7	1.8
Q4	-1.1	1.4	3.4	-2.1	0.6	2.3	0.9	-0.1	2.3	2.2	0.7	1.4	1.4	1.4

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}

2015 = 100

Service industries											
	Wholesale and retail trade	Transport storage and communications	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services ⁴	Total services
2015 Weights³	108	104	29	68	139	122	47	61	74	41	793
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2014	95.6	96.2	95.2	103.2	97.3	94.9	101.8	98.3	98.7	97.9	97.5
2015	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2016	104.9	104.7	104.0	100.4	100.8	104.9	98.6	99.9	102.2	100.8	102.5
2017	106.7	108.5	105.7	100.7	101.4	108.9	99.1	101.4	102.5	98.5	104.1
Seasonally adjusted											
2014 Q3	96.0	96.8	95.5	102.9	97.8	95.7	101.8	98.7	99.1	98.0	97.9
Q4	97.8	98.5	97.2	103.4	98.1	98.0	101.8	99.0	100.0	99.2	99.1
2015 Q1	98.6	98.6	98.8	102.5	98.9	98.1	101.0	99.5	98.9	99.2	99.2
Q2	99.7	99.7	99.3	99.7	100.0	99.5	100.4	100.0	100.0	99.5	99.8
Q3	100.3	100.6	99.8	98.4	100.6	100.8	99.4	100.2	100.4	98.7	100.1
Q4	101.4	101.1	102.0	99.4	100.6	101.6	99.2	100.3	100.7	102.6	100.9
2016 Q1	103.4	102.6	101.8	99.8	101.1	102.6	99.0	100.1	102.3	101.6	101.7
Q2	104.1	103.0	103.3	100.0	100.8	104.4	98.5	99.8	102.3	101.1	102.0
Q3	105.1	105.8	105.1	101.2	100.6	105.5	98.5	99.6	102.3	101.2	102.9
Q4	107.1	107.4	105.7	100.5	100.6	106.9	98.5	100.0	102.0	99.3	103.4
2017 Q1	105.8	106.8	106.5	100.8	101.0	107.5	98.6	101.0	102.4	99.5	103.5
Q2	106.5	108.4	105.9	100.4	101.3	107.7	99.2	101.0	102.5	99.1	103.9
Q3	107.3	108.7	105.6	100.7	101.5	109.4	99.2	101.7	102.4	97.8	104.3
Q4	107.2	109.9	104.8	101.1	101.9	111.2	99.2	101.9	102.8	97.8	104.9
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2014	5.2	2.7	2.9	-1.2	3.1	7.7	-1.6	1.8	3.6	6.3	3.4
2015	4.6	4.0	5.1	-3.1	2.8	5.4	-1.8	1.8	1.3	2.2	2.6
2016	4.9	4.7	4.0	0.4	0.8	4.9	-1.4	-0.1	2.2	0.8	2.5
2017	1.7	3.6	1.7	0.3	0.7	3.9	0.5	1.5	0.3	-2.2	1.6
Percentage change, latest quarter on previous quarter											
2014 Q3	1.0	1.6	0.9	-0.7	0.7	2.0	-	0.5	1.2	0.1	0.9
Q4	1.8	1.8	1.8	0.5	0.3	2.3	-	0.3	0.9	1.3	1.2
2015 Q1	0.8	0.1	1.7	-0.9	0.8	0.1	-0.8	0.5	-1.1	-	0.1
Q2	1.1	1.1	0.5	-2.7	1.1	1.5	-0.6	0.5	1.1	0.3	0.6
Q3	0.6	0.9	0.6	-1.4	0.6	1.2	-1.0	0.2	0.5	-0.7	0.4
Q4	1.0	0.5	2.2	1.1	-	0.9	-0.2	0.1	0.2	3.9	0.7
2016 Q1	2.0	1.5	-0.3	0.4	0.5	1.0	-0.2	-0.1	1.6	-1.0	0.8
Q2	0.7	0.4	1.6	0.2	-0.4	1.7	-0.5	-0.3	-	-0.5	0.3
Q3	1.0	2.8	1.7	1.2	-0.2	1.0	-	-0.2	-	0.1	0.8
Q4	1.8	1.5	0.6	-0.7	0.1	1.4	-	0.4	-0.3	-1.9	0.6
2017 Q1	-1.2	-0.6	0.8	0.3	0.4	0.5	0.1	1.0	0.4	0.2	0.1
Q2	0.7	1.5	-0.6	-0.4	0.3	0.2	0.6	-	0.1	-0.3	0.4
Q3	0.7	0.3	-0.2	0.3	0.2	1.5	-	0.7	-0.1	-1.4	0.4
Q4	-0.1	1.1	-0.8	0.4	0.4	1.7	-	0.3	0.4	0.1	0.6
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2014 Q3	4.6	4.0	3.3	-0.8	3.0	7.5	-1.3	2.7	4.2	7.1	3.7
Q4	6.1	5.5	5.3	0.3	3.0	8.7	-0.8	2.3	3.9	6.5	4.4
2015 Q1	5.3	5.0	5.9	-0.5	2.7	6.6	-0.9	2.5	1.3	2.8	3.4
Q2	4.9	4.7	4.9	-3.7	3.0	6.0	-1.3	1.9	2.0	1.6	2.9
Q3	4.5	3.9	4.6	-4.4	2.9	5.2	-2.3	1.5	1.3	0.8	2.3
Q4	3.7	2.6	5.0	-3.9	2.6	3.7	-2.6	1.2	0.6	3.4	1.8
2016 Q1	4.9	4.0	3.0	-2.6	2.3	4.6	-2.0	0.6	3.4	2.4	2.5
Q2	4.4	3.3	4.1	0.3	0.8	4.9	-1.9	-0.2	2.3	1.6	2.3
Q3	4.8	5.2	5.3	2.9	-	4.7	-0.9	-0.6	1.9	2.5	2.7
Q4	5.6	6.3	3.6	1.1	0.1	5.2	-0.7	-0.3	1.3	-3.2	2.5
2017 Q1	2.3	4.1	4.6	1.0	-0.1	4.7	-0.4	0.9	0.1	-2.1	1.8
Q2	2.3	5.2	2.4	0.4	0.6	3.2	0.7	1.2	0.2	-1.9	1.8
Q3	2.0	2.7	0.5	-0.6	1.0	3.7	0.8	2.1	0.1	-3.4	1.4
Q4	0.1	2.3	-0.8	0.6	1.2	4.0	0.7	2.0	0.8	-1.5	1.4

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

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

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

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

C1 Gross domestic product: expenditure at current market prices¹

£ million

National expenditure on goods and services at market prices

	Final consumption expenditure					Gross capital formation					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	Total exports	Total						
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2014	1 143 919	56 625	359 014	300 965	170 551	13 268	-	102 1	873 893	518 925	2 392 818	555 756	-36 831	-	1 837 062	
2015	1 181 868	56 614	362 062	313 189	179 697	7 812	-	-438 1	921 107	517 161	2 438 268	549 531	-32 370	-	1 888 737	
2016	1 235 357	57 022	369 660	323 761	181 726	7 714	-	1 671 1	995 185	554 738	2 549 923	595 415	-40 677	8 803	1 963 311	
2017	1 283 298	57 542	375 209	342 915	189 599	3 474	-	4 137 2	066 575	617 232	2 683 807	650 889	-33 657	5 796	2 038 714	
Seasonally adjusted																
2014 Q3	289 277	14 226	90 695	75 588	42 673	3 833	970	-638	472 981	128 283	601 264	138 122	-9 839	-	463 142	
Q4	288 777	14 205	89 828	76 013	42 916	2 497	1 844	2 024	473 344	132 103	605 447	141 743	-9 640	-	463 704	
2015 Q1	291 252	14 151	89 873	78 977	45 755	-466	1 461	2 615	476 402	129 619	606 021	139 692	-10 073	-	466 329	
Q2	293 798	14 110	90 743	79 276	45 461	1 775	-955	-281	479 421	130 724	610 145	136 544	-5 820	-	473 601	
Q3	296 915	14 133	91 264	77 229	44 064	2 795	-1 386	-539	481 797	127 267	609 064	135 493	-8 226	-	473 571	
Q4	299 903	14 220	90 182	77 707	44 417	3 708	880	-2 233	483 487	129 551	613 038	137 802	-8 251	-	475 236	
2016 Q1	302 573	14 248	91 666	78 956	44 973	2 194	885	733	490 370	129 958	620 328	139 716	-9 758	1 614	482 226	
Q2	307 133	14 290	92 300	80 561	45 251	47 370	-217	-792	493 275	136 799	630 074	144 426	-7 627	2 291	487 939	
Q3	311 243	14 233	92 608	81 706	45 860	4 232	1 647	3 145	507 167	138 604	645 771	154 937	-16 333	2 552	493 386	
Q4	314 408	14 251	93 086	82 538	45 642	1 505	-532	-1 415	504 373	149 377	653 750	156 336	-6 959	2 346	499 760	
2017 Q1	317 844	14 300	93 249	83 546	46 726	2 011	-1 282	-73	510 877	151 109	661 986	160 162	-9 053	1 866	503 690	
Q2	319 302	14 387	94 018	85 058	47 370	-462	-3 162	632	512 935	154 267	667 202	161 021	-6 754	1 421	507 602	
Q3	321 328	14 432	93 575	86 642	47 865	1 032	2 239	741	517 750	155 773	673 523	162 815	-7 042	1 206	511 914	
Q4	324 824	14 423	94 367	87 669	47 638	893	2 205	2 837	525 013	156 083	681 096	166 891	-10 808	1 303	515 508	
Percentage change, latest year on previous year																
	KGJ7	KGZ8	KH2C	KG6O	KG6N				KGX3	KH2O	KGV7	KH3H			IHYM	
2014	4.1	4.0	3.1	8.6	5.7				4.8	-0.2	3.7	0.1			4.8	
2015	3.3	-	0.8	4.1	5.4				2.5	-0.3	1.9	-1.1			2.8	
2016	4.5	0.7	2.1	3.4	1.1				3.9	7.3	4.6	8.3			3.9	
2017	3.9	0.9	1.5	5.9	4.3				3.6	11.3	5.3	9.3			3.8	
Percentage change, latest quarter on previous quarter																
	KGJ8	KGZ9	KH2D	KG6W	KG6V				KGX4	KH2P	KGV8	KH3I			IHYN	
2014 Q3	1.8	0.4	1.7	0.9	-1.0				1.7	-2.5	0.8	0.5			0.9	
Q4	-0.2	-0.1	-1.0	0.6	0.6				0.1	3.0	0.7	2.6			0.1	
2015 Q1	0.9	-0.4	0.1	3.9	6.6				0.6	-1.9	0.1	-1.4			0.6	
Q2	0.9	-0.3	1.0	0.4	-0.6				0.6	0.9	0.7	-2.3			1.6	
Q3	1.1	0.2	0.6	-2.6	-3.1				0.5	-2.6	-0.2	-0.8			-	
Q4	1.0	0.6	-1.2	0.6	0.8				0.4	1.8	0.7	1.7			0.4	
2016 Q1	0.9	0.2	1.6	1.6	1.3				1.4	0.3	1.2	1.4			1.5	
Q2	1.5	0.3	0.7	2.0	0.6				0.6	5.3	1.6	3.4			1.2	
Q3	1.3	-0.4	0.3	1.4	1.3				2.8	1.3	2.5	7.3			1.1	
Q4	1.0	0.1	0.5	1.0	-0.5				-0.6	7.8	1.2	0.9			1.3	
2017 Q1	1.1	0.3	0.2	1.2	2.4				1.3	1.2	1.3	2.4			0.8	
Q2	0.5	0.6	0.8	1.8	1.4				0.4	2.1	0.8	0.5			0.8	
Q3	0.6	0.3	-0.5	1.9	1.0				0.9	1.0	0.9	1.1			0.8	
Q4	1.1	-0.1	0.8	1.2	-0.5				1.4	0.2	1.1	2.5			0.7	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGJ9	KH22	KH2E	KG76	KG75				KGX5	KH2Q	KGV9	KH3J			IHYO	
2014 Q3	4.6	4.2	5.1	5.8	2.3				4.9	-1.8	3.4	-1.2			4.9	
Q4	3.8	2.6	1.6	5.2	3.3				3.3	4.2	3.5	0.8			4.3	
2015 Q1	3.4	0.9	0.6	6.1	9.3				3.0	2.0	2.8	0.9			3.3	
Q2	3.4	-0.4	1.7	5.8	5.4				3.1	-0.6	2.3	-0.7			3.2	
Q3	2.6	-0.7	0.6	2.2	3.3				1.9	-0.8	1.3	-1.9			2.3	
Q4	3.9	0.1	0.4	2.2	3.5				2.1	-1.9	1.3	-2.8			2.5	
2016 Q1	3.9	0.7	2.0	-	-1.7				2.9	0.3	2.4	-			3.4	
Q2	4.5	1.3	1.7	1.6	-0.5				2.9	4.6	3.3	5.8			3.0	
Q3	4.8	0.7	1.5	5.8	4.1				5.3	8.9	6.0	14.4			4.2	
Q4	4.8	0.2	3.2	6.2	2.8				4.3	15.3	6.6	13.4			5.2	
2017 Q1	5.0	0.4	1.7	5.8	3.9				4.2	16.3	6.7	14.6			4.5	
Q2	4.0	0.7	1.9	5.6	4.7				4.0	12.8	5.9	11.5			4.0	
Q3	3.2	1.4	1.0	6.0	4.4				2.1	12.4	4.3	5.1			3.8	
Q4	3.3	1.2	1.4	6.2	4.4				4.1	4.5	4.2	6.8			3.2	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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

Reference year 2015, £ million

National expenditure on goods and services at market prices																
Final consumption expenditure						Gross capital formation						Statistical discrepancy				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	Total exports	Gross final expenditure	less imports	Total Trade balance ⁶	(expenditure)				
ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI		
2014	1 150 513	57 081	359 884	304 735	173 239	5 548	-	-24 1	875 361	492 660	2 367 507	522 796	-30 136	-	1 845 444	
2015	1 181 868	56 614	362 062	313 189	179 697	7 812	-	-438 1	921 107	517 161	2 438 268	549 531	-32 370	-	1 888 737	
2016	1 218 393	56 546	365 112	318 779	178 835	3 153	-	1 602 1	963 585	529 172	2 492 757	576 084	-46 912	8 626	1 925 299	
2017	1 239 893	56 541	366 213	331 141	182 819	-4 325	-	4 093 1	993 556	555 754	2 549 310	596 158	-40 404	5 572	1 958 724	
Seasonally adjusted																
2014 Q3	289 930	14 250	90 476	76 974	43 697	3 149	972	-147	471 638	122 146	593 513	130 568	-8 422	-	463 201	
Q4	289 219	14 204	90 046	76 544	43 356	6 987	1 857	358	474 877	127 463	602 390	135 583	-8 120	-	466 727	
2015 Q1	292 140	14 124	90 011	78 709	45 624	9 385	1 465	449	478 308	127 450	605 754	137 349	-9 899	-	468 326	
Q2	294 126	14 217	90 592	79 802	45 685	-4 126	-954	-145	476 053	129 988	606 145	135 244	-5 256	-	471 018	
Q3	297 203	14 047	90 892	77 293	44 175	-1 205	-1 389	-199	480 564	128 669	609 192	136 303	-7 634	-	472 980	
Q4	298 399	14 226	90 567	77 385	44 213	3 758	878	-543	486 182	131 054	617 177	140 635	-9 581	-	476 413	
2016 Q1	300 668	14 153	91 441	77 963	44 191	2 795	874	697	487 717	129 066	616 783	140 960	-11 894	1 598	477 421	
Q2	303 899	14 150	91 209	79 510	44 518	-824	-1 967	-812	487 132	132 698	619 830	142 389	-9 691	2 252	479 693	
Q3	306 469	14 130	91 224	80 380	45 093	1 252	1 610	3 122	496 577	130 305	626 882	147 089	-16 784	2 495	482 288	
Q4	307 357	14 113	91 238	80 926	45 033	-70	-517	-1 405	492 159	137 103	629 262	145 646	-8 543	2 281	485 897	
2017 Q1	308 517	14 117	91 160	81 537	45 327	4	-1 234	-80	495 255	137 091	632 346	147 142	-10 051	1 804	487 008	
Q2	309 313	14 144	91 513	82 499	45 560	-2 712	-3 034	630	495 387	139 457	634 844	147 912	-8 455	1 367	488 299	
Q3	310 499	14 149	91 505	83 100	45 962	-730	2 154	725	499 248	139 740	638 988	149 401	-9 661	1 156	490 743	
Q4	311 564	14 131	92 035	84 005	45 970	-887	2 114	2 818	503 666	139 466	643 132	151 703	-12 237	1 245	492 674	
Percentage change, latest year on previous year																
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHP	
2014	2.2	1.5	2.5	7.1	5.1			3.6	2.7	3.4	4.5				3.1	
2015	2.7	-0.8	0.6	2.8	3.7			2.4	5.0	3.0	5.1				2.3	
2016	3.1	-0.1	0.8	1.8	-0.5			2.2	2.3	2.2	4.8				1.9	
2017	1.8	-	0.3	3.9	2.2			1.5	5.0	2.3	3.5				1.7	
Percentage change, latest quarter on previous quarter																
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHY	
2014 Q3	1.3	-0.1	0.3	1.1	-0.6			1.7	-1.4	1.0	1.7				0.8	
Q4	-0.2	-0.3	-0.5	-0.6	-0.8			0.7	4.4	1.5	3.8				0.8	
2015 Q1	1.0	-0.6	-	2.8	5.2			0.7	-	0.6	1.3				0.3	
Q2	0.7	0.7	0.6	1.4	0.1			-0.5	2.0	0.1	-1.5				0.6	
Q3	1.0	-1.2	0.3	-3.1	-3.3			0.9	-1.0	0.5	0.8				0.4	
Q4	0.4	1.3	-0.4	0.1	0.1			1.2	1.9	1.3	3.2				0.7	
2016 Q1	0.8	-0.5	1.0	0.7	-			0.3	-1.5	-0.1	0.2				0.2	
Q2	1.1	-	-0.3	2.0	0.7			-0.1	2.8	0.5	1.0				0.5	
Q3	0.8	-0.1	-	1.1	1.3			1.9	-1.8	1.1	3.3				0.5	
Q4	0.3	-0.1	-	0.7	-0.1			-0.9	5.2	0.4	-1.0				0.7	
2017 Q1	0.4	-	-0.1	0.8	0.7			0.6	-	0.5	1.0				0.2	
Q2	0.3	0.2	0.4	1.2	0.5			-	1.7	0.4	0.5				0.3	
Q3	0.4	-	-	0.7	0.9			0.8	0.2	0.7	1.0				0.5	
Q4	0.3	-0.1	0.6	1.1	-			0.9	-0.2	0.6	1.5				0.4	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR	
2014 Q3	2.7	1.2	3.0	5.2	3.0			3.5	2.0	3.1	3.5				3.0	
Q4	2.0	0.1	1.7	4.1	2.8			2.6	7.7	3.7	5.1				3.3	
2015 Q1	2.4	-1.7	0.9	4.8	8.0			2.9	6.9	3.7	7.1				2.7	
Q2	2.8	-0.3	0.5	4.9	4.0			2.6	5.0	3.1	5.4				2.5	
Q3	2.5	-1.4	0.5	0.4	1.1			1.9	5.3	2.6	4.4				2.1	
Q4	3.2	0.2	0.6	1.1	2.0			2.4	2.8	2.5	3.7				2.1	
2016 Q1	2.9	0.2	1.6	-0.9	-3.1			2.0	1.3	1.8	2.6				1.9	
Q2	3.3	-0.5	0.7	-0.4	-2.6			2.3	2.1	2.3	5.3				1.8	
Q3	3.1	0.6	0.4	4.0	2.1			3.3	1.3	2.9	7.9				2.0	
Q4	3.0	-0.8	0.7	4.6	1.9			1.2	4.6	2.0	3.6				2.0	
2017 Q1	2.6	-0.3	-0.3	4.6	2.6			1.5	6.2	2.5	4.4				2.0	
Q2	1.8	-	0.3	3.8	2.3			1.7	5.1	2.4	3.9				1.8	
Q3	1.3	0.1	0.3	3.4	1.9			0.5	7.2	1.9	1.6				1.8	
Q4	1.4	0.1	0.9	3.8	2.1			2.3	1.7	2.2	4.2				1.4	

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

	Gross operating surplus of corporations							Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	Compensation of employees	Private non-financial corporations ^{2,3}	Of which alignment adjustment	Financial corporations	Public corporations	Total	Other income ⁴				
	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2014	902 294	334 189	–	55 628	15 654	405 471	305 616	1 613 381	223 681	–	1 837 062
2015	930 206	344 849	–	45 594	16 198	406 641	322 024	1 658 871	229 866	–	1 888 737
2016	968 898	353 999	–	46 535	16 689	417 223	334 991	1 721 112	239 568	2 631	1 963 311
2017	1 008 829	..	–	..	..	431 723	342 949	1 783 501	246 600	8 613	2 038 714
Seasonally adjusted											
2014 Q3	225 825	88 021	962	12 942	3 921	104 884	76 782	407 491	55 651	–	463 142
Q4	228 675	83 470	–354	13 573	3 801	100 844	77 474	406 993	56 711	–	463 704
2015 Q1	229 827	85 090	–751	13 463	3 600	102 153	78 552	410 532	55 797	–	466 329
Q2	231 757	88 427	1 933	11 211	4 553	104 191	80 076	416 024	57 577	–	473 601
Q3	233 301	87 024	801	9 211	4 113	100 348	81 795	415 444	58 127	–	473 571
Q4	235 321	84 308	–1 983	11 709	3 932	99 949	81 601	416 871	58 365	–	475 236
2016 Q1	235 851	89 943	1 988	11 302	3 701	104 946	82 135	422 932	58 974	320	482 226
Q2	241 614	86 258	–2 002	11 298	4 686	102 242	83 843	427 699	59 704	536	487 939
Q3	244 928	86 563	–1 746	12 782	4 199	103 544	84 369	432 841	59 784	761	493 386
Q4	246 505	91 235	1 760	11 153	4 103	106 491	84 644	437 640	61 106	1 014	499 760
2017 Q1	249 284	91 725	–129	12 152	3 806	107 683	84 773	441 740	60 307	1 643	503 690
Q2	251 768	89 555	–2 485	12 619	4 559	106 733	85 672	444 173	61 386	2 043	507 602
Q3	253 198	91 798	–69	11 856	4 300	107 954	85 860	447 012	62 545	2 357	511 914
Q4	254 579	..	2 683	..	..	109 353	86 644	450 576	62 362	2 570	515 508
Percentage change, latest year on previous year											
	KG13	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2014	2.1	10.8		5.5	0.4	9.6	6.8	4.8	5.0		4.8
2015	3.1	3.2		–18.0	3.5	0.3	5.4	2.8	2.8		2.8
2016	4.2	2.7		2.1	3.0	2.6	4.0	3.8	4.2		3.9
2017	4.1	..		..	..	3.5	2.4	3.6	2.9		3.8
Percentage change, latest quarter on previous quarter											
	KG14	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2014 Q3	0.9	7.0		–15.6	–14.0	2.6	–0.1	1.2	–0.8		0.9
Q4	1.3	–5.2		4.9	–3.1	–3.9	0.9	–0.1	1.9		0.1
2015 Q1	0.5	1.9		–0.8	–5.3	1.3	1.4	0.9	–1.6		0.6
Q2	0.8	3.9		–16.7	26.5	2.0	1.9	1.3	3.2		1.6
Q3	0.7	–1.6		–17.8	–9.7	–3.7	2.1	–0.1	1.0		–
Q4	0.9	–3.1		27.1	–4.4	–0.4	–0.2	0.3	0.4		0.4
2016 Q1	0.2	6.7		–3.5	–5.9	5.0	0.7	1.5	1.0		1.5
Q2	2.4	–4.1		–	26.6	–2.6	2.1	1.1	1.2		1.2
Q3	1.4	0.4		13.1	–10.4	1.3	0.6	1.2	0.1		1.1
Q4	0.6	5.4		–12.7	–2.3	2.8	0.3	1.1	2.2		1.3
2017 Q1	1.1	0.5		9.0	–7.2	1.1	0.2	0.9	–1.3		0.8
Q2	1.0	–2.4		3.8	19.8	–0.9	1.1	0.6	1.8		0.8
Q3	0.6	2.5		–6.0	–5.7	1.1	0.2	0.6	1.9		0.8
Q4	0.5	..		..	..	1.3	0.9	0.8	–0.3		0.7
Percentage change, latest quarter on corresponding quarter of previous year											
	KG15	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2014 Q3	1.7	15.9		–4.2	–3.3	12.1	6.8	5.2	2.6		4.9
Q4	2.2	9.3		–2.1	4.7	7.4	6.8	4.3	4.1		4.3
2015 Q1	2.6	5.8		–2.3	6.8	4.7	5.4	3.7	1.0		3.3
Q2	3.5	7.5		–26.9	–0.2	2.0	4.2	3.3	2.6		3.2
Q3	3.3	–1.1		–28.8	4.9	–4.3	6.5	2.0	4.4		2.3
Q4	2.9	1.0		–13.7	3.4	–0.9	5.3	2.4	2.9		2.5
2016 Q1	2.6	5.7		–16.1	2.8	2.7	4.6	3.0	5.7		3.4
Q2	4.3	–2.5		0.8	2.9	–1.9	4.7	2.8	3.7		3.0
Q3	5.0	–0.5		38.8	2.1	3.2	3.1	4.2	2.9		4.2
Q4	4.8	8.2		–4.7	4.3	6.5	3.7	5.0	4.7		5.2
2017 Q1	5.7	2.0		7.5	2.8	2.6	3.2	4.4	2.3		4.5
Q2	4.2	3.8		11.7	–2.7	4.4	2.2	3.9	2.8		4.0
Q3	3.4	6.0		–7.2	2.4	4.3	1.8	3.3	4.6		3.8
Q4	3.3	..		..	..	2.7	2.4	3.0	2.1		3.2

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL ²															
UK DOMESTIC ³															
COICOP ¹	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
	01	02	03	04	05	06	07	08	09	10	11	12			
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2014	1 143 919	6 520	1 137 399	97 740	42 548	61 815	307 741	51 684	19 233	157 080	20 984	106 241	18 808	106 771	146 754
2015	1 181 868	8 083	1 173 785	97 641	43 227	65 064	319 589	54 861	20 736	158 418	22 455	110 860	20 233	110 372	150 329
2016	1 235 357	14 113	1 221 244	98 562	43 668	67 736	330 058	58 778	21 688	163 479	24 087	115 994	21 652	116 233	159 309
2017	1 283 298
Seasonally adjusted															
2014 Q3	289 277	1 312	287 965	24 558	10 657	15 524	77 583	13 096	4 731	39 732	5 255	27 050	4 707	26 610	38 462
Q4	288 777	1 932	286 845	24 417	10 693	15 676	77 603	13 292	4 799	39 156	5 347	26 840	4 834	26 730	37 458
2015 Q1	291 252	2 070	289 182	24 184	10 760	15 801	79 030	13 515	4 891	38 906	5 474	27 187	4 920	27 057	37 457
Q2	293 798	1 703	292 095	24 405	10 755	16 303	79 613	13 567	5 154	39 488	5 571	27 644	4 988	27 424	37 183
Q3	296 915	2 368	294 547	24 494	10 813	16 427	80 662	13 684	5 187	39 682	5 616	27 925	5 042	27 726	37 289
Q4	299 903	1 942	297 961	24 558	10 899	16 533	80 284	14 095	5 504	40 342	5 794	28 104	5 283	28 165	38 400
2016 Q1	302 573	2 820	299 753	24 570	10 862	16 830	81 776	14 219	5 414	40 318	5 880	28 403	5 373	28 169	37 939
Q2	307 133	3 322	303 811	24 494	11 010	16 657	82 531	14 678	5 413	40 735	5 976	28 878	5 401	28 893	39 145
Q3	311 243	4 206	307 037	24 670	10 926	16 873	82 147	14 813	5 332	40 967	6 107	29 197	5 426	29 382	41 197
Q4	314 408	3 765	310 643	24 828	10 870	17 376	83 604	15 068	5 529	41 459	6 124	29 516	5 452	29 789	41 028
2017 Q1	317 844	3 365	314 479	25 319	10 889	17 419	83 680	15 439	5 773	42 762	6 138	29 936	5 480	30 360	41 284
Q2	319 302	2 982	316 320	25 733	11 132	17 810	84 259	15 713	6 008	40 954	6 209	30 092	5 508	30 457	42 445
Q3	321 328	2 782	318 546	25 980	11 132	18 146	85 412	15 971	6 095	41 312	6 305	30 253	5 538	30 584	41 818
Q4	324 824
Percentage change, latest year on previous year															
	KGJ7	KG6U	KG9N	KGJ3	KGJ9	KGJ7	KGJ5	KGJ6	KGJ4	KGK2	KGK8	KGJ2	KGJ6	KGJ2	KGJ2
2014	4.1	4.2	1.4	1.5	6.3	2.4	5.6	2.8	4.5	-1.0	2.9	6.0	4.4	10.8	
2015	3.3	3.2	-0.1	1.6	5.3	3.8	6.1	7.8	0.9	7.0	4.3	7.6	3.4	2.4	
2016	4.5	4.0	0.9	1.0	4.1	3.3	7.1	4.6	3.2	7.3	4.6	7.0	5.3	6.0	
2017	3.9	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on previous quarter															
	KGJ8	KGJ4	KGJ9	KGJ4	KGJ2	KGJ8	KGJ6	KGJ7	KGJ5	KGK3	KGK9	KGJ3	KGJ7	KGJ3	
2014 Q3	1.8	1.9	1.0	1.4	-1.0	1.2	3.0	-1.7	0.9	1.8	3.2	1.4	-0.9	7.5	
Q4	-0.2	-0.4	-0.6	0.3	1.0	-	1.5	1.4	-1.4	1.8	-0.8	2.7	0.5	-2.6	
2015 Q1	0.9	0.8	-1.0	0.6	0.8	1.8	1.7	1.9	-0.6	2.4	1.3	1.8	1.2	-	
Q2	0.9	1.0	0.9	-	3.2	0.7	0.4	5.4	1.5	1.8	1.7	1.4	1.4	-0.7	
Q3	1.1	0.8	0.4	0.5	0.8	1.3	0.9	0.6	0.5	0.8	1.0	1.1	1.1	0.3	
Q4	1.0	1.2	0.3	0.8	0.6	-0.5	3.0	6.1	1.7	3.2	0.6	4.8	1.6	3.0	
2016 Q1	0.9	0.6	-	-0.3	1.8	1.9	0.9	-1.6	-0.1	1.5	1.1	1.7	-	-1.2	
Q2	1.5	1.4	-0.3	1.4	-1.0	0.9	3.2	-	1.0	1.6	1.7	0.5	2.6	3.2	
Q3	1.3	1.1	0.7	-0.8	1.3	-0.5	0.9	-1.5	0.6	2.2	1.1	0.5	1.7	5.2	
Q4	1.0	1.2	0.6	-0.5	3.0	1.8	1.7	3.7	1.2	0.3	1.1	0.5	1.4	-0.4	
2017 Q1	1.1	1.2	2.0	0.2	0.2	0.1	2.5	4.4	3.1	0.2	1.4	0.5	1.9	0.6	
Q2	0.5	0.6	1.6	2.2	2.2	0.7	1.8	4.1	-4.2	1.2	0.5	0.5	0.3	2.8	
Q3	0.6	0.7	1.0	-	1.9	1.4	1.6	1.4	0.9	1.5	0.5	0.5	0.4	-1.5	
Q4	1.1	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year															
	KGJ9	KGJ7C	KGJ9V	KGJ5	KGJ3	KGJ9	KGJ7	KGJ8	KGJ6	KGK4	KGJ2	KGJ4	KGJ8	KGJ4	
2014 Q3	4.6	4.8	1.4	0.5	6.1	3.4	6.7	-1.0	3.8	-0.3	3.7	8.3	3.5	14.9	
Q4	3.8	3.8	-	1.8	5.5	2.5	6.7	-3.8	3.6	-0.5	3.2	3.6	3.5	10.6	
2015 Q1	3.4	3.3	-1.1	0.7	5.8	4.1	7.4	-	0.2	4.8	4.0	6.3	1.8	6.9	
Q2	3.4	3.3	0.3	2.3	3.9	3.9	6.7	7.1	0.3	7.9	5.5	7.5	2.1	3.9	
Q3	2.6	2.3	-0.3	1.5	5.8	4.0	4.5	9.6	-0.1	6.9	3.2	7.1	4.2	-3.0	
Q4	3.9	3.9	0.6	1.9	5.5	3.5	6.0	14.7	3.0	8.4	4.7	9.3	5.4	2.5	
2016 Q1	3.9	3.7	1.6	0.9	6.5	3.5	5.2	10.7	3.6	7.4	4.5	9.2	4.1	1.3	
Q2	4.5	4.0	0.4	2.4	2.2	3.7	8.2	5.0	3.2	7.3	4.5	8.3	5.4	5.3	
Q3	4.8	4.2	0.7	1.0	2.7	1.8	8.3	2.8	3.2	8.7	4.6	7.6	6.0	10.5	
Q4	4.8	4.3	1.1	-0.3	5.1	4.1	6.9	0.5	2.8	5.7	5.0	3.2	5.8	6.8	
2017 Q1	5.0	4.9	3.0	0.2	3.5	2.3	8.6	6.6	6.1	4.4	5.4	2.0	7.8	8.8	
Q2	4.0	4.1	5.1	1.1	6.9	2.1	7.1	11.0	0.5	3.9	4.2	2.0	5.4	8.4	
Q3	3.2	3.7	5.3	1.9	7.5	4.0	7.8	14.3	0.8	3.2	3.6	2.1	4.1	1.5	
Q4	3.3	..	..	..	..	..	..	..	..	..	..	..	..	..

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

4 A misallocation between COICOPs was identified late in production, affecting 2015 data only. Approximately £80m per quarter (in both CP and CVM) should be reallocated from COICOP 04.3.2 to COICOP 12.7. This does not affect top level HHFC or GDP and will be reallocated in Blue Book 2018, the next time 2015 will be open to revision.

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

£ million

		UK NATIONAL ²							
		UK DOMESTIC ³							
		Goods							
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP ¹					D	SD	ND	S	
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN	
2014	1 143 919	6 520	1 137 399	479 405	105 657	115 427	258 321	657 994	
2015	1 181 868	8 083	1 173 785	489 142	112 667	121 128	255 347	684 643	
2016	1 235 357	14 113	1 221 244	504 044	119 092	127 057	257 895	717 200	
2017	1 283 298	..	..	..	..	..	..	..
Seasonally adjusted									
2014 Q3	289 277	1 312	287 965	120 791	26 518	29 194	65 079	167 174	
Q4	288 777	1 932	286 845	120 618	27 015	29 254	64 349	166 227	
2015 Q1	291 252	2 070	289 182	120 705	27 289	29 500	63 916	168 477	
Q2	293 798	1 703	292 095	122 138	27 891	30 220	64 027	169 957	
Q3	296 915	2 368	294 547	123 264	28 516	30 502	64 246	171 283	
Q4	299 903	1 942	297 961	123 035	28 971	30 906	63 158	174 926	
2016 Q1	302 573	2 820	299 753	124 719	29 639	31 376	63 704	175 034	
Q2	307 133	3 322	303 811	125 659	29 696	31 535	64 428	178 152	
Q3	311 243	4 206	307 037	125 417	29 785	31 643	63 989	181 620	
Q4	314 408	3 765	310 643	128 249	29 972	32 503	65 774	182 394	
2017 Q1	317 844	3 365	314 479	130 382	31 410	32 922	66 050	184 097	
Q2	319 302	2 982	316 320	130 273	30 140	33 566	66 567	186 047	
Q3	321 328	2 782	318 546	132 708	31 085	34 079	67 544	185 838	
Q4	324 824	..	..	..	..	..	..	..
Percentage change, latest year on previous year									
	KG Y7		KG 6U	KHC9	KHB5	KHH5	KHE5	KHF9	
2014	4.1		4.2	2.4	7.9	3.6	-0.2	5.5	
2015	3.3		3.2	2.0	6.6	4.9	-1.2	4.1	
2016	4.5		4.0	3.0	5.7	4.9	1.0	4.8	
2017	3.9		..	..	..	..	..	..
Percentage change, quarter on previous quarter									
	KG Y8		KG 74	KHD2	KHB6	KHH6	KHE6	KHG2	
2014 Q3	1.8		1.9	1.3	1.9	0.8	1.2	2.3	
Q4	-0.2		-0.4	-0.1	1.9	0.2	-1.1	-0.6	
2015 Q1	0.9		0.8	0.1	1.0	0.8	-0.7	1.4	
Q2	0.9		1.0	1.2	2.2	2.4	0.2	0.9	
Q3	1.1		0.8	0.9	2.2	0.9	0.3	0.8	
Q4	1.0		1.2	-0.2	1.6	1.3	-1.7	2.1	
2016 Q1	0.9		0.6	1.4	2.3	1.5	0.9	0.1	
Q2	1.5		1.4	0.8	0.2	0.5	1.1	1.8	
Q3	1.3		1.1	-0.2	0.3	0.3	-0.7	1.9	
Q4	1.0		1.2	2.3	0.6	2.7	2.8	0.4	
2017 Q1	1.1		1.2	1.7	4.8	1.3	0.4	0.9	
Q2	0.5		0.6	-0.1	-4.0	2.0	0.8	1.1	
Q3	0.6		0.7	1.9	3.1	1.5	1.5	-0.1	
Q4	1.1		..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year									
	KG Y9		KG 7C	KHD3	KHB7	KHH7	KHE7	KHG3	
2014 Q3	4.6		4.8	2.8	5.9	4.5	0.8	6.4	
Q4	3.8		3.8	2.1	8.2	3.7	-0.9	5.0	
2015 Q1	3.4		3.3	1.7	4.6	5.3	-1.1	4.5	
Q2	3.4		3.3	2.4	7.1	4.3	-0.4	4.0	
Q3	2.6		2.3	2.0	7.5	4.5	-1.3	2.5	
Q4	3.9		3.9	2.0	7.2	5.6	-1.9	5.2	
2016 Q1	3.9		3.7	3.3	8.6	6.4	-0.3	3.9	
Q2	4.5		4.0	2.9	6.5	4.4	0.6	4.8	
Q3	4.8		4.2	1.7	4.5	3.7	-0.4	6.0	
Q4	4.8		4.3	4.2	3.5	5.2	4.1	4.3	
2017 Q1	5.0		4.9	4.5	6.0	4.9	3.7	5.2	
Q2	4.0		4.1	3.7	1.5	6.4	3.3	4.4	
Q3	3.2		3.7	5.8	4.4	7.7	5.6	2.3	
Q4	3.3		..	..	..	..	..	..

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

E3 Household final consumption expenditure by purpose

Chained volume measures

Reference year 2015, £ million

UK NATIONAL²

UK DOMESTIC³

COICOP ¹	Net tourism		UK DOMESTIC ³													
	Total	ABTH	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
				01	02	03	04	05	06	07	08	09	10	11	12	
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG	
2014	1 150 513	3 314	1 147 539	95 212	43 862	61 995	315 618	51 693	19 584	154 088	21 273	105 488	20 429	109 377	149 184	
2015	1 181 868	8 083	1 173 785	97 641	43 227	65 064	319 589	54 861	20 736	158 418	22 455	110 860	20 233	110 372	150 329	
2016	1 218 393	11 056	1 207 337	101 031	42 313	67 788	323 038	58 880	21 660	161 863	23 438	115 527	20 667	113 629	157 503	
2017	1 239 893	
Seasonally adjusted																
2014 Q3	289 930	632	289 367	23 998	10 986	15 609	79 180	13 025	4 811	38 908	5 336	26 700	5 210	27 202	38 496	
Q4	289 219	1 189	288 101	23 955	10 861	15 738	78 908	13 335	4 839	38 846	5 422	26 724	4 897	27 133	37 428	
2015 Q1	292 140	1 639	290 576	24 027	10 815	15 803	79 958	13 481	4 917	38 887	5 498	27 059	4 983	27 282	37 871	
Q2	294 126	1 487	292 625	24 310	10 802	16 273	79 960	13 637	5 151	39 481	5 596	27 664	5 053	27 500	37 180	
Q3	297 203	2 970	294 150	24 551	10 800	16 404	80 280	13 646	5 170	39 889	5 628	27 944	5 089	27 684	37 060	
Q4	298 399	1 987	296 434	24 753	10 810	16 584	79 391	14 097	5 498	40 161	5 733	28 193	5 108	27 906	38 218	
2016 Q1	300 668	2 505	298 163	25 018	10 625	16 759	80 536	14 226	5 420	40 044	5 796	28 548	5 192	27 980	38 019	
Q2	303 899	2 860	301 039	25 161	10 745	16 744	80 996	14 696	5 414	40 541	5 839	28 744	5 220	28 265	38 674	
Q3	306 469	3 497	302 972	25 352	10 544	16 963	80 130	14 960	5 377	40 576	5 894	29 000	5 205	28 484	40 487	
Q4	307 357	2 194	305 163	25 500	10 399	17 322	81 376	14 998	5 449	40 702	5 909	29 235	5 050	28 900	40 323	
2017 Q1	308 517	1 965	306 552	25 701	10 303	17 301	81 142	15 166	5 679	40 991	5 909	29 436	5 075	28 958	40 891	
Q2	309 313	1 765	307 548	25 833	10 436	17 433	81 177	15 369	5 848	39 905	5 972	29 512	5 100	29 092	41 871	
Q3	310 499	1 672	308 827	25 974	10 391	17 598	81 788	15 451	5 897	40 439	5 988	29 552	5 116	29 020	41 613	
Q4	311 564	
Percentage change, latest year on previous year																
	KGZ5	KG7O	KG9Y	KGf6	KGG4	KGH2	KGH8	KGi9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8		
2014	2.2	1.9	1.7	-2.0	5.9	-0.4	4.8	0.7	4.8	-2.1	1.9	-3.7	1.5	4.5		
2015	2.7	2.3	2.6	-1.4	5.0	1.3	6.1	5.9	2.8	5.6	5.1	-1.0	0.9	0.8		
2016	3.1	2.9	3.5	-2.1	4.2	1.1	7.3	4.5	2.2	4.4	4.2	2.1	3.0	4.8		
2017	1.8	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on previous quarter																
	KGZ6	KG7R	KGA3	KGf7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9		
2014 Q3	1.3	1.3	1.5	0.5	-	0.5	2.4	-2.0	0.8	1.8	2.8	0.8	-1.4	5.4		
Q4	-0.2	-0.4	-0.2	-1.1	0.8	-0.3	2.4	0.6	-0.2	1.6	0.1	-6.0	-0.3	-2.8		
2015 Q1	1.0	0.9	0.3	-0.4	0.4	1.3	1.1	1.6	0.1	1.4	1.3	1.8	0.5	1.2		
Q2	0.7	0.7	1.2	-0.1	3.0	-	1.2	4.8	1.5	1.8	2.2	1.4	0.8	-1.8		
Q3	1.0	0.5	1.0	-	0.8	0.4	0.1	0.4	1.0	0.6	1.0	0.7	0.7	-0.3		
Q4	0.4	0.8	0.8	0.1	1.1	-1.1	3.3	6.3	0.7	1.9	0.9	0.4	0.8	3.1		
2016 Q1	0.8	0.6	1.1	-1.7	1.1	1.4	0.9	-1.4	-0.3	1.1	1.3	1.6	0.3	-0.5		
Q2	1.1	1.0	0.6	1.1	-0.1	0.6	3.3	-0.1	1.2	0.7	0.7	0.5	1.0	1.7		
Q3	0.8	0.6	0.8	-1.9	1.3	-1.1	1.8	-0.7	0.1	0.9	0.9	-0.3	0.8	4.7		
Q4	0.3	0.7	0.6	-1.4	2.1	1.6	0.3	1.3	0.3	0.3	0.8	-3.0	1.5	-0.4		
2017 Q1	0.4	0.5	0.8	-0.9	-0.1	-0.3	1.1	4.2	0.7	-	0.7	0.5	0.2	1.4		
Q2	0.3	0.3	0.5	1.3	0.8	-	1.3	3.0	-2.6	1.1	0.3	0.5	0.5	2.4		
Q3	0.4	0.4	0.5	-0.4	0.9	0.8	0.5	0.8	1.3	0.3	0.1	0.3	-0.2	-0.6		
Q4	0.3	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year																
	KGZ7	KG7U	KGA6	KGf8	KGG6	KGH4	KGi2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGf2		
2014 Q3	2.7	2.5	2.5	-2.5	6.1	0.5	5.3	-3.3	3.9	-1.1	2.5	-1.8	0.3	7.8		
Q4	2.0	1.8	1.7	-1.4	5.6	-0.2	7.0	-5.6	5.7	-1.1	2.6	-5.7	0.4	2.3		
2015 Q1	2.4	2.2	1.7	-2.4	5.1	1.6	6.9	-2.2	3.0	4.2	3.7	-3.3	-0.6	3.1		
Q2	2.8	2.4	2.8	-1.2	4.3	1.5	7.2	5.0	2.3	6.8	6.5	-2.2	-0.3	1.8		
Q3	2.5	1.7	2.3	-1.7	5.1	1.4	4.8	7.5	2.5	5.5	4.7	-2.3	1.8	-3.7		
Q4	3.2	2.9	3.3	-0.5	5.4	0.6	5.7	13.6	3.4	5.7	5.5	4.3	2.8	2.1		
2016 Q1	2.9	2.6	4.1	-1.8	6.0	0.7	5.5	10.2	3.0	5.4	5.5	4.2	2.6	0.4		
Q2	3.3	2.9	3.5	-0.5	2.9	1.3	7.8	5.1	2.7	4.3	3.9	3.3	2.8	4.0		
Q3	3.1	3.0	3.3	-2.4	3.4	-0.2	9.6	4.0	1.7	4.7	3.8	2.3	2.9	9.2		
Q4	3.0	2.9	3.0	-3.8	4.5	2.5	6.4	-0.9	1.3	3.1	3.7	-1.1	3.6	5.5		
2017 Q1	2.6	2.8	2.7	-3.0	3.2	0.8	6.6	4.8	2.4	1.9	3.1	-2.3	3.5	7.6		
Q2	1.8	2.2	2.7	-2.9	4.1	0.2	4.6	8.0	-1.6	2.3	2.7	-2.3	2.9	8.3		
Q3	1.3	1.9	2.5	-1.5	3.7	2.1	3.3	9.7	-0.3	1.6	1.9	-1.7	1.9	2.8		
Q4	1.4	..	..	..	..	..	..	..	..	..	..	..	..	..

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

4 A misallocation between COICOPs was identified late in production, affecting 2015 data only. Approximately £80m per quarter (in both CP and CVM) should be reallocated from COICOP 04.3.2 to COICOP 12.7. This does not affect top level HHFC or GDP and will be reallocated in Blue Book 2018, the next time 2015 will be open to revision.

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

Reference year 2015, £ million

		UK NATIONAL ²							
		UK DOMESTIC ³							
		Goods							
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP ¹					D	SD	ND	S	
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP	
2014	1 150 513	3 314	1 147 539	470 889	104 076	115 164	251 565	676 997	
2015	1 181 868	8 083	1 173 785	489 142	112 667	121 128	255 347	684 643	
2016	1 218 393	11 056	1 207 337	507 244	119 016	127 594	260 634	700 093	
2017	1 239 893	..	..	..	..	..	..	..
Seasonally adjusted									
2014 Q3	289 930	632	289 367	118 512	26 105	29 092	63 301	170 960	
Q4	289 219	1 189	288 101	119 238	26 866	29 224	63 140	168 868	
2015 Q1	292 140	1 639	290 576	120 372	27 280	29 457	63 626	170 208	
Q2	294 126	1 487	292 625	121 999	28 029	30 247	63 725	170 607	
Q3	297 203	2 970	294 150	123 186	28 438	30 506	64 242	170 941	
Q4	298 399	1 987	296 434	123 585	28 920	30 918	63 754	172 887	
2016 Q1	300 668	2 505	298 163	125 423	29 527	31 439	64 457	172 740	
Q2	303 899	2 860	301 039	126 814	29 696	31 657	65 461	174 225	
Q3	306 469	3 497	302 972	126 442	29 855	31 906	64 681	176 530	
Q4	307 357	2 194	305 163	128 565	29 938	32 592	66 035	176 598	
2017 Q1	308 517	1 965	306 552	128 797	30 817	32 796	65 184	177 755	
Q2	309 313	1 765	307 548	128 468	29 460	33 201	65 807	179 080	
Q3	310 499	1 672	308 827	130 079	30 194	33 468	66 417	178 748	
Q4	311 564	..	..	..	..	..	..	..
Percentage change, year on previous year									
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7	
2014	2.2		1.9	2.0	7.7	3.1	-0.7	1.9	
2015	2.7		2.3	3.9	8.3	5.2	1.5	1.1	
2016	3.1		2.9	3.7	5.6	5.3	2.1	2.3	
2017	1.8		..	..	..	..	..	..
Percentage change, quarter on previous quarter									
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8	
2014 Q3	1.3		1.3	1.3	1.8	1.2	1.2	1.3	
Q4	-0.2		-0.4	0.6	2.9	0.5	-0.3	-1.2	
2015 Q1	1.0		0.9	1.0	1.5	0.8	0.8	0.8	
Q2	0.7		0.7	1.4	2.7	2.7	0.2	0.2	
Q3	1.0		0.5	1.0	1.5	0.9	0.8	0.2	
Q4	0.4		0.8	0.3	1.7	1.4	-0.8	1.1	
2016 Q1	0.8		0.6	1.5	2.1	1.7	1.1	-0.1	
Q2	1.1		1.0	1.1	0.6	0.7	1.6	0.9	
Q3	0.8		0.6	-0.3	0.5	0.8	-1.2	1.3	
Q4	0.3		0.7	1.7	0.3	2.2	2.1	-	
2017 Q1	0.4		0.5	0.2	2.9	0.6	-1.3	0.7	
Q2	0.3		0.3	-0.3	-4.4	1.2	1.0	0.7	
Q3	0.4		0.4	1.3	2.5	0.8	0.9	-0.2	
Q4	0.3		..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year									
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9	
2014 Q3	2.7		2.5	2.4	5.4	3.9	0.6	2.5	
Q4	2.0		1.8	2.7	8.2	3.8	-	1.1	
2015 Q1	2.4		2.2	3.6	7.2	4.9	1.7	1.1	
Q2	2.8		2.4	4.3	9.3	5.2	1.9	1.1	
Q3	2.5		1.7	3.9	8.9	4.9	1.5	-	
Q4	3.2		2.9	3.6	7.6	5.8	1.0	2.4	
2016 Q1	2.9		2.6	4.2	8.2	6.7	1.3	1.5	
Q2	3.3		2.9	3.9	5.9	4.7	2.7	2.1	
Q3	3.1		3.0	2.6	5.0	4.6	0.7	3.3	
Q4	3.0		2.9	4.0	3.5	5.4	3.6	2.1	
2017 Q1	2.6		2.8	2.7	4.4	4.3	1.1	2.9	
Q2	1.8		2.2	1.3	-0.8	4.9	0.5	2.8	
Q3	1.3		1.9	2.9	1.1	4.9	2.7	1.3	
Q4	1.4		..	..	..	..	..	..

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

F Gross fixed capital formation by sector and type of asset

Chained volume measures

Reference year 2015, £ million

	Analysis by sector								Analysis by asset					
	Public corporations ²				Private Sector				Transport equipment	Other machinery and equipment	Dwellings ³	Other buildings and structures ⁴	Intellectual Property Products	Total
	Business investment ¹	General government	Dwellings ³	non-produced assets	Dwellings ³	non-produced assets	Costs of transfer of ownership of non-produced assets	Costs of transfer of ownership of non-produced assets						
2014	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2014	173 239	51 747	7 623	663	56 234	15 237	304 735	16 313	58 896	63 861	103 714	61 951	304 735	
2015	179 697	50 287	7 524	687	59 977	15 018	313 189	21 977	57 566	67 501	105 969	60 176	313 189	
2016	178 835	50 927	7 605	719	64 098	16 595	318 779	26 572	54 004	71 761	106 006	60 436	318 779	
2017	182 819	52 709	7 864	769	69 270	17 710	331 141	24 694	54 552	77 135	112 223	62 537	331 141	
Seasonally adjusted														
2014 Q3	43 697	12 921	1 981	168	14 319	3 886	76 974	4 491	15 119	16 302	25 741	15 292	76 974	
Q4	43 356	12 998	2 021	167	14 240	3 771	76 544	4 397	14 860	16 263	25 446	15 552	76 544	
2015 Q1	45 624	12 887	2 100	173	14 396	3 531	78 709	6 291	14 222	16 496	26 932	14 733	78 709	
Q2	45 685	13 159	1 821	164	15 314	3 658	79 802	5 467	15 012	17 135	26 780	15 427	79 802	
Q3	44 175	12 339	1 834	173	14 996	3 777	77 293	4 948	14 129	16 830	26 320	15 076	77 293	
Q4	44 213	11 902	1 769	177	15 271	4 052	77 385	5 271	14 203	17 040	25 937	14 940	77 385	
2016 Q1	44 191	11 852	1 768	160	15 586	4 406	77 963	6 074	13 530	17 365	25 933	15 061	77 963	
Q2	44 518	13 102	2 013	211	15 752	3 914	79 510	6 442	13 855	17 779	26 309	15 125	79 510	
Q3	45 093	13 129	1 885	170	16 100	4 003	80 380	7 270	13 413	18 001	26 626	15 070	80 380	
Q4	45 033	12 844	1 939	178	16 660	4 272	80 926	6 786	13 206	18 616	27 138	15 180	80 926	
2017 Q1	45 327	11 964	1 962	152	17 315	4 817	81 537	6 406	12 741	19 276	28 087	15 027	81 537	
Q2	45 560	13 482	2 003	237	16 958	4 259	82 499	6 474	13 792	18 960	27 880	15 393	82 499	
Q3	45 962	13 259	1 985	190	17 375	4 329	83 100	5 738	14 031	19 364	28 191	15 776	83 100	
Q4	45 970	14 004	1 914	190	17 622	4 305	84 005	6 076	13 988	19 535	28 065	16 341	84 005	
Percentage change, latest year on previous year														
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2014	5.1	8.6	17.4	23.9	8.4	14.6	7.1	45.2	11.6	9.4	3.0	0.2	7.1	
2015	3.7	-2.8	-1.3	3.6	6.7	-1.4	2.8	34.7	-2.3	5.7	2.2	-2.9	2.8	
2016	-0.5	1.3	1.1	4.7	6.9	10.5	1.8	20.9	-6.2	6.3	-	0.4	1.8	
2017	2.2	3.5	3.4	7.0	8.1	6.7	3.9	-7.1	1.0	7.5	5.9	3.5	3.9	
Percentage change, latest quarter on previous quarter														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2014 Q3	-0.6	4.7	2.3	-2.3	4.3	-1.8	1.1	8.6	0.7	4.0	-0.4	-0.9	1.1	
Q4	-0.8	0.6	2.0	-0.6	-0.6	-3.0	-0.6	-2.1	-1.7	-0.2	-1.1	1.7	-0.6	
2015 Q1	5.2	-0.9	3.9	3.6	1.1	-6.4	2.8	43.1	-4.3	1.4	5.8	-5.3	2.8	
Q2	0.1	2.1	-13.3	-5.2	6.4	3.6	1.4	-13.1	5.6	3.9	-0.6	4.7	1.4	
Q3	-3.3	-6.2	0.7	5.5	-2.1	3.3	-3.1	-9.5	-5.9	-1.8	-1.7	-2.3	-3.1	
Q4	0.1	-3.5	-3.5	2.3	1.8	7.3	0.1	6.5	0.5	1.2	-1.5	-0.9	0.1	
2016 Q1	-	-0.4	-0.1	-9.6	2.1	8.7	0.7	15.2	-4.7	1.9	-	0.8	0.7	
Q2	0.7	10.5	13.9	31.9	1.1	-11.2	2.0	6.1	2.4	2.4	1.4	0.4	2.0	
Q3	1.3	0.2	-6.4	-19.4	2.2	2.3	1.1	12.9	-3.2	1.2	1.2	-0.4	1.1	
Q4	-0.1	-2.2	2.9	4.7	3.5	6.7	0.7	-6.7	-1.5	3.4	1.9	0.7	0.7	
2017 Q1	0.7	-6.9	1.2	-14.6	3.9	12.8	0.8	-5.6	-3.5	3.5	3.5	-1.0	0.8	
Q2	0.5	12.7	2.1	55.9	-2.1	-11.6	1.2	1.1	8.2	-1.6	-0.7	2.4	1.2	
Q3	0.9	-1.7	-0.9	-19.8	2.5	1.6	0.7	-11.4	1.7	2.1	1.1	2.5	0.7	
Q4	-	5.6	-3.6	-	1.4	-0.6	1.1	5.9	-0.3	0.9	-0.4	3.6	1.1	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2014 Q3	3.0	5.1	22.5	25.4	7.8	13.5	5.2	29.7	11.9	9.5	-0.5	-1.2	5.2	
Q4	2.8	3.8	26.4	14.4	5.8	2.1	4.1	32.1	9.3	8.1	-2.5	0.2	4.1	
2015 Q1	8.0	-4.4	24.6	10.9	3.2	-2.5	4.8	91.2	2.3	5.6	1.0	-6.0	4.8	
Q2	4.0	6.6	-5.9	-4.7	11.5	-7.6	4.9	32.2	-	9.4	3.6	-	4.9	
Q3	1.1	-4.5	-7.4	3.0	4.7	-2.8	0.4	10.2	-6.5	3.2	2.2	-1.4	0.4	
Q4	2.0	-8.4	-12.5	6.0	7.2	7.5	1.1	19.9	-4.4	4.8	1.9	-3.9	1.1	
2016 Q1	-3.1	-8.0	-15.8	-7.5	8.3	24.8	-0.9	-3.4	-4.9	5.3	-3.7	2.2	-0.9	
Q2	-2.6	-0.4	10.5	28.7	2.9	7.0	-0.4	17.8	-7.7	3.8	-1.8	-2.0	-0.4	
Q3	2.1	6.4	2.8	-1.7	7.4	6.0	4.0	46.9	-5.1	7.0	1.2	-	4.0	
Q4	1.9	7.9	9.6	0.6	9.1	5.4	4.6	28.7	-7.0	9.2	4.6	1.6	4.6	
2017 Q1	2.6	0.9	11.0	-5.0	11.1	9.3	4.6	5.5	-5.8	11.0	8.3	-0.2	4.6	
Q2	2.3	2.9	-0.5	12.3	7.7	8.8	3.8	0.5	-0.5	6.6	6.0	1.8	3.8	
Q3	1.9	1.0	5.3	11.8	7.9	8.1	3.4	-21.1	4.6	7.6	5.9	4.7	3.4	
Q4	2.1	9.0	-1.3	6.7	5.8	0.8	3.8	-10.5	5.9	4.9	3.4	7.6	3.8	

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 new dwellings and improvements to dwellings.

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

G Changes in inventories Chained volume measures¹

Reference year 2015, £ million

	Manufacturing industries					Electricity, gas and water supply	Distributive trades			Changes in inventories ³
	Mining and quarrying	Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²	Other industries ³	
Level of inventories held at end-December⁴ 2015	2 475	20 693	17 824	20 062	58 579	4 019	39 626	41 006	75 514	221 219
2014	FAEA	FBNF	FBNG	FBNH	DHBM	FAEB	FAJX	FBYN	DLWX	CAFU
2015	1 046	-61	1 146	1 442	2 527	-584	2 166	2 844	-3 156	5 548
2016	480	982	207	255	1 444	-437	1 585	1 708	3 032	7 812
2017	-1 890	-688	228	-2 470	-2 930	-425	249	-1 633	9 782	3 153
	-228	1 259	454	1 077	2 790	183	1 499	-1 407	-7 162	-4 325
Seasonally adjusted										
2014 Q3	226	125	264	261	651	85	-1 388	344	3 242	3 149
Q4	614	-176	-161	602	264	-921	-3 138	1 004	8 866	6 987
2015 Q1	136	530	244	1 726	2 500	-80	1 851	2 002	2 846	9 385
Q2	-271	760	-222	-520	17	-385	-1 815	431	-1 828	-4 126
Q3	531	-98	251	-196	-45	-284	1 323	424	-3 300	-1 205
Q4	84	-210	-66	-755	-1 028	312	226	-1 149	5 314	3 758
2016 Q1	116	-611	65	-151	-697	36	137	-782	3 985	2 795
Q2	-1 061	-810	-305	-191	-1 306	128	163	-464	1 716	-824
Q3	-171	1 045	-304	-1 166	-425	-466	-725	-544	3 583	1 252
Q4	-774	-312	772	-962	-502	-123	674	157	498	-70
2017 Q1	156	1 340	155	-377	1 118	490	1 668	-1 313	-2 115	4
Q2	142	-265	609	-4	340	-607	406	-67	-2 926	-2 712
Q3	-302	26	1 073	958	2 057	39	-832	513	-2 205	-730
Q4	-224	158	-1 383	500	-725	261	257	-540	84	-887

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series

4 These are values of physical stock levels in reference year (2015) prices.

H1 Exports and imports of goods and services

Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2014	297 306	221 619	518 925	420 428	135 328	555 756	-123 122	86 291	-36 831
2015	288 770	228 391	517 161	407 396	142 135	549 531	-118 626	86 256	-32 370
2016	302 067	252 671	554 738	437 562	157 853	595 415	-135 495	94 818	-40 677
2017	342 472	274 760	617 232	480 465	170 424	650 889	-137 993	104 336	-33 657
Seasonally adjusted									
2014 Q3	73 058	55 225	128 283	104 580	33 542	138 122	-31 522	21 683	-9 839
Q4	74 583	57 520	132 103	108 429	33 314	141 743	-33 846	24 206	-9 640
2015 Q1	72 159	57 460	129 619	105 371	34 321	139 692	-33 212	23 139	-10 073
Q2	74 490	56 234	130 724	101 312	35 232	136 544	-26 822	21 002	-5 820
Q3	71 012	56 255	127 267	99 802	35 691	135 493	-28 790	20 564	-8 226
Q4	71 109	58 442	129 551	100 911	36 891	137 802	-29 802	21 551	-8 251
2016 Q1	69 916	60 042	129 958	101 935	37 781	139 716	-32 019	22 261	-9 758
Q2	74 991	61 808	136 799	105 626	38 800	144 426	-30 635	23 008	-7 627
Q3	74 951	63 653	138 604	114 720	40 217	154 937	-39 769	23 436	-16 333
Q4	82 209	67 168	149 377	115 281	41 055	156 336	-33 072	26 113	-6 959
2017 Q1	83 421	67 688	151 109	117 810	42 352	160 162	-34 389	25 336	-9 053
Q2	85 849	68 418	154 267	118 323	42 698	161 021	-32 474	25 720	-6 754
Q3	86 468	69 305	155 773	120 395	42 420	162 815	-33 927	26 885	-7 042
Q4	86 734	69 349	156 083	123 937	42 954	166 891	-37 203	26 395	-10 808
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2014	-1.6	1.8	-0.2	-0.4	1.5	0.1			
2015	-2.9	3.1	-0.3	-3.1	5.0	-1.1			
2016	4.6	10.6	7.3	7.4	11.1	8.3			
2017	13.4	8.7	11.3	9.8	8.0	9.3			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2014 Q3	-2.4	-2.6	-2.5	0.4	0.8	0.5			
Q4	2.1	4.2	3.0	3.7	-0.7	2.6			
2015 Q1	-3.3	-0.1	-1.9	-2.8	3.0	-1.4			
Q2	3.2	-2.1	0.9	-3.9	2.7	-2.3			
Q3	-4.7	-	-2.6	-1.5	1.3	-0.8			
Q4	0.1	3.9	1.8	1.1	3.4	1.7			
2016 Q1	-1.7	2.7	0.3	1.0	2.4	1.4			
Q2	7.3	2.9	5.3	3.6	2.7	3.4			
Q3	-0.1	3.0	1.3	8.6	3.7	7.3			
Q4	9.7	5.5	7.8	0.5	2.1	0.9			
2017 Q1	1.5	0.8	1.2	2.2	3.2	2.4			
Q2	2.9	1.1	2.1	0.4	0.8	0.5			
Q3	0.7	1.3	1.0	1.8	-0.7	1.1			
Q4	0.3	0.1	0.2	2.9	1.3	2.5			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2014 Q3	-4.5	1.9	-1.8	-1.5	-0.4	-1.2			
Q4	2.2	6.9	4.2	1.9	-2.5	0.8			
2015 Q1	-3.6	10.1	2.0	2.1	-2.5	0.9			
Q2	-0.5	-0.8	-0.6	-2.7	5.9	-0.7			
Q3	-2.8	1.9	-0.8	-4.6	6.4	-1.9			
Q4	-4.7	1.6	-1.9	-6.9	10.7	-2.8			
2016 Q1	-3.1	4.5	0.3	-3.3	10.1	-			
Q2	0.7	9.9	4.6	4.3	10.1	5.8			
Q3	5.5	13.2	8.9	14.9	12.7	14.4			
Q4	15.6	14.9	15.3	14.2	11.3	13.4			
2017 Q1	19.3	12.7	16.3	15.6	12.1	14.6			
Q2	14.5	10.7	12.8	12.0	10.0	11.5			
Q3	15.4	8.9	12.4	4.9	5.5	5.1			
Q4	5.5	3.2	4.5	7.5	4.6	6.8			

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

H2 Exports and imports of goods and services

Chained volume measures

Reference year 2015, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2014	272 872	219 969	492 660	391 959	130 680	522 796	-30 136
2015	288 770	228 391	517 161	407 396	142 135	549 531	-32 370
2016	286 237	242 935	529 172	425 684	150 400	576 084	-46 912
2017	307 247	248 507	555 754	443 276	152 882	596 158	-40 404
Seasonally adjusted							
2014 Q3	67 171	55 102	122 146	97 965	32 556	130 568	-8 422
Q4	70 689	56 888	127 463	103 271	32 334	135 583	-8 120
2015 Q1	70 165	57 476	127 450	103 267	33 970	137 349	-9 899
Q2	73 304	56 722	129 988	99 613	35 693	135 244	-5 256
Q3	72 077	56 566	128 669	100 835	35 517	136 303	-7 634
Q4	73 224	57 627	131 054	103 681	36 955	140 635	-9 581
2016 Q1	70 446	58 620	129 066	103 159	37 801	140 960	-11 894
Q2	72 763	59 935	132 698	104 574	37 815	142 389	-9 691
Q3	69 168	61 137	130 305	109 814	37 275	147 089	-16 784
Q4	73 860	63 243	137 103	108 137	37 509	145 646	-8 543
2017 Q1	74 949	62 142	137 091	109 110	38 032	147 142	-10 051
Q2	77 623	61 834	139 457	109 611	38 301	147 912	-8 455
Q3	77 586	62 154	139 740	111 346	38 055	149 401	-9 661
Q4	77 089	62 377	139 466	113 209	38 494	151 703	-12 237
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2014	3.3	1.7	2.7	4.4	4.5	4.5	
2015	5.8	3.8	5.0	3.9	8.8	5.1	
2016	-0.9	6.4	2.3	4.5	5.8	4.8	
2017	7.3	2.3	5.0	4.1	1.7	3.5	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2014 Q3	-0.9	-1.9	-1.4	1.8	1.9	1.7	
Q4	5.2	3.2	4.4	5.4	-0.7	3.8	
2015 Q1	-0.7	1.0	-	-	5.1	1.3	
Q2	4.5	-1.3	2.0	-3.5	5.1	-1.5	
Q3	-1.7	-0.3	-1.0	1.2	-0.5	0.8	
Q4	1.6	1.9	1.9	2.8	4.0	3.2	
2016 Q1	-3.8	1.7	-1.5	-0.5	2.3	0.2	
Q2	3.3	2.2	2.8	1.4	-	1.0	
Q3	-4.9	2.0	-1.8	5.0	-1.4	3.3	
Q4	6.8	3.4	5.2	-1.5	0.6	-1.0	
2017 Q1	1.5	-1.7	-	0.9	1.4	1.0	
Q2	3.6	-0.5	1.7	0.5	0.7	0.5	
Q3	-	0.5	0.2	1.6	-0.6	1.0	
Q4	-0.6	0.4	-0.2	1.7	1.2	1.5	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2014 Q3	1.3	3.2	2.0	3.7	3.1	3.5	
Q4	8.9	6.1	7.7	6.8	0.3	5.1	
2015 Q1	4.3	10.9	6.9	9.3	0.4	7.1	
Q2	8.2	1.0	5.0	3.5	11.7	5.4	
Q3	7.3	2.7	5.3	2.9	9.1	4.4	
Q4	3.6	1.3	2.8	0.4	14.3	3.7	
2016 Q1	0.4	2.0	1.3	-0.1	11.3	2.6	
Q2	-0.7	5.7	2.1	5.0	5.9	5.3	
Q3	-4.0	8.1	1.3	8.9	4.9	7.9	
Q4	0.9	9.7	4.6	4.3	1.5	3.6	
2017 Q1	6.4	6.0	6.2	5.8	0.6	4.4	
Q2	6.7	3.2	5.1	4.8	1.3	3.9	
Q3	12.2	1.7	7.2	1.4	2.1	1.6	
Q4	4.4	-1.4	1.7	4.7	2.6	4.2	

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 (2015 = 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	1 644 002	1 638 722	1 638 722	–	97.3	97.3	97.6	97.6	97.6
2015	1 684 937	1 684 937	1 684 937	–	100.0	100.0	100.0	100.0	100.0
2016	1 705 132	1 741 023	1 747 195	–6 172	103.3	103.7	101.2	101.6	102.4
2017	1 737 676	1 812 129	1 809 312	2 817	107.5	107.4	103.1	103.0	104.3
Seasonally adjusted									
2014 Q3	412 967	413 976	413 976	–	98.3	98.3	98.0	98.0	98.0
Q4	417 178	413 368	413 368	–	98.1	98.1	99.0	99.0	99.0
2015 Q1	418 359	416 592	416 592	–	98.9	98.9	99.3	99.3	99.3
Q2	420 702	422 710	422 710	–	100.4	100.4	99.9	99.9	99.9
Q3	421 478	422 126	422 126	–	100.2	100.2	100.1	100.1	100.1
Q4	424 398	423 509	423 509	–	100.5	100.5	100.8	100.7	100.7
2016 Q1	423 460	427 892	429 186	–1 294	101.6	101.9	100.5	100.8	101.4
Q2	424 739	432 670	434 425	–1 755	102.7	103.1	100.8	101.2	102.0
Q3	426 756	437 707	439 498	–1 791	103.9	104.3	101.3	101.7	102.7
Q4	430 177	442 754	444 086	–1 332	105.1	105.4	102.1	102.4	103.4
2017 Q1	431 635	447 370	447 593	–223	106.2	106.3	102.5	102.5	103.7
Q2	433 225	451 541	450 919	622	107.2	107.0	102.8	102.7	104.0
Q3	435 602	454 715	453 564	1 151	107.9	107.7	103.4	103.1	104.5
Q4	437 214	458 503	457 236	1 267	108.8	108.5	103.8	103.5	105.0
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2014	3.5	4.7	4.7		4.7	4.7	3.5	3.5	3.5
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.2	3.3	3.7		3.3	3.7	1.2	1.6	2.4
2017	1.9	4.1	3.6		4.1	3.6	1.9	1.4	1.9
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2014 Q3	1.0	1.1	1.1		1.1	1.1	1.0	1.0	1.0
Q4	1.0	–0.1	–0.1		–0.1	–0.1	1.0	1.0	1.0
2015 Q1	0.3	0.8	0.8		0.8	0.8	0.3	0.3	0.3
Q2	0.6	1.5	1.5		1.5	1.5	0.6	0.6	0.6
Q3	0.2	–0.1	–0.1		–0.1	–0.1	0.2	0.2	0.2
Q4	0.7	0.3	0.3		0.3	0.3	0.7	0.7	0.7
2016 Q1	–0.2	1.0	1.3		1.0	1.3	–0.2	0.1	0.6
Q2	0.3	1.1	1.2		1.1	1.2	0.3	0.4	0.7
Q3	0.5	1.2	1.2		1.2	1.2	0.5	0.5	0.6
Q4	0.8	1.2	1.0		1.2	1.0	0.8	0.7	0.8
2017 Q1	0.3	1.0	0.8		1.0	0.8	0.3	0.1	0.3
Q2	0.4	0.9	0.7		0.9	0.7	0.4	0.2	0.3
Q3	0.5	0.7	0.6		0.7	0.6	0.5	0.4	0.5
Q4	0.4	0.8	0.8		0.8	0.8	0.4	0.3	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2014 Q3	3.7	5.1	5.1		5.1	5.1	3.7	3.7	3.7
Q4	4.2	4.3	4.3		4.3	4.3	4.2	4.2	4.2
2015 Q1	3.3	3.6	3.6		3.6	3.6	3.3	3.3	3.3
Q2	2.9	3.3	3.3		3.3	3.3	2.9	2.9	2.9
Q3	2.1	2.0	2.0		2.0	2.0	2.1	2.1	2.1
Q4	1.7	2.5	2.5		2.5	2.5	1.7	1.7	1.7
2016 Q1	1.2	2.7	3.0		2.7	3.0	1.2	1.5	2.1
Q2	1.0	2.4	2.8		2.4	2.8	1.0	1.4	2.2
Q3	1.3	3.7	4.1		3.7	4.1	1.3	1.7	2.6
Q4	1.4	4.5	4.9		4.5	4.9	1.4	1.7	2.7
2017 Q1	1.9	4.6	4.3		4.6	4.3	1.9	1.7	2.3
Q2	2.0	4.4	3.8		4.4	3.8	2.0	1.4	1.9
Q3	2.1	3.9	3.2		3.9	3.2	2.1	1.4	1.8
Q4	1.6	3.6	3.0		3.6	3.0	1.6	1.0	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 2015)	
Seasonally adjusted			
2014 Q3	DMUN 970	DMUM 972	DMUQ 962
Q4	1 844	1 857	-354
2015 Q1	1 461	1 465	-751
Q2	-955	-954	1 933
Q3	-1 386	-1 389	801
Q4	880	878	-1 983
2016 Q1	885	874	1 988
Q2	-2 000	-1 967	-2 002
Q3	1 647	1 610	-1 746
Q4	-532	-517	1 760
2017 Q1	-1 282	-1 234	-129
Q2	-3 162	-3 034	-2 485
Q3	2 239	2 154	-69
Q4	2 205	2 114	2 683

N Selected financial year variables 1,2

£ millions except deflator index which is 2016/2017 = 100

	Current prices					Chained Volume Measures (reference year 2015)				
	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
2013/14	1 771 886	1 773 683	1 580 231	351 727	48 570	1 803 153	1 598 610	353 242	50 652	95.7951
2014/15	1 852 098	1 849 131	1 653 207	359 590	50 763	1 857 956	1 657 511	360 701	51 147	97.1838
2015/16	1 904 634	1 902 281	1 697 851	363 855	49 183	1 897 832	1 691 636	363 492	49 252	97.8392
2016/17	1 984 775	1 986 826	1 769 556	371 243	52 074	1 934 886	1 722 139	364 831	51 039	100.0000
Seasonally adjusted										
2014 Q3	463 142	458 640	413 976	90 695	12 719	463 201	412 967	90 476	12 921	97.4776
Q4	463 704	468 248	413 368	89 828	12 984	466 727	417 178	90 046	12 998	96.8585
2015 Q1	466 329	468 762	416 592	89 873	13 043	468 326	418 359	90 011	12 887	97.0743
Q2	473 601	467 433	422 710	90 743	12 928	471 018	420 702	90 592	13 159	98.0246
Q3	473 571	470 754	422 126	91 264	12 342	472 980	421 478	90 892	12 339	97.6118
Q4	475 236	481 788	423 509	90 182	11 975	476 413	424 398	90 567	11 902	97.2491
2016 Q1	482 226	482 306	429 506	91 666	11 938	477 421	425 058	91 441	11 852	98.4712
Q2	487 939	484 790	434 961	92 300	13 142	479 693	426 991	91 209	13 102	99.1658
Q3	493 386	491 428	440 259	92 608	13 311	482 288	429 251	91 224	13 129	99.7333
Q4	499 760	504 787	445 100	93 086	13 281	485 897	432 458	91 238	12 844	100.2714
2017 Q1	503 690	505 821	449 236	93 249	12 340	487 008	433 439	91 160	11 964	100.8294
Q2	507 602	506 462	452 962	94 018	13 561	488 299	434 592	91 513	13 482	101.3439
Q3	511 914	507 280	455 921	93 575	13 574	490 743	436 758	91 505	13 259	101.6958
Q4	515 508	519 151	459 806	94 367	14 683	492 674	438 459	92 035	14 004	102.0083
Percentage change, latest financial year on previous financial year										
2013/14	4.1	4.3	3.9	2.3	8.8	2.4	1.8	1.3	7.3	1.7
2014/15	4.5	4.3	4.6	2.2	4.5	3.0	3.7	2.1	1.0	1.4
2015/16	2.8	2.9	2.7	1.2	-3.1	2.1	2.1	0.8	-3.7	0.7
2016/17	4.2	4.4	4.2	2.0	5.9	2.0	1.8	0.4	3.6	2.2
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2014 Q3	0.9	1.1	1.1	1.7	5.8	0.8	1.0	0.3	4.7	0.2
Q4	0.1	2.1	-0.1	-1.0	2.1	0.8	1.0	-0.5	0.6	-0.6
2015 Q1	0.6	0.1	0.8	0.1	0.5	0.3	0.3	-	-0.9	0.2
Q2	1.6	-0.3	1.5	1.0	-0.9	0.6	0.6	0.6	2.1	1.0
Q3	-	0.7	-0.1	0.6	-4.5	0.4	0.2	0.3	-6.2	-0.4
Q4	0.4	2.3	0.3	-1.2	-3.0	0.7	0.7	-0.4	-3.5	-0.4
2016 Q1	1.5	0.1	1.4	1.6	-0.3	0.2	0.2	1.0	-0.4	1.3
Q2	1.2	0.5	1.3	0.7	10.1	0.5	0.5	-0.3	10.5	0.7
Q3	1.1	1.4	1.2	0.3	1.3	0.5	0.5	-	0.2	0.6
Q4	1.3	2.7	1.1	0.5	-0.2	0.7	0.7	-	-2.2	0.5
2017 Q1	0.8	0.2	0.9	0.2	-7.1	0.2	0.2	-0.1	-6.9	0.6
Q2	0.8	0.1	0.8	0.8	9.9	0.3	0.3	0.4	12.7	0.5
Q3	0.8	0.2	0.7	-0.5	0.1	0.5	0.5	-	-1.7	0.3
Q4	0.7	2.3	0.9	0.8	8.2	0.4	0.4	0.6	5.6	0.3
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2014 Q3	4.9	4.7	5.1	5.1	7.9	3.0	3.7	3.0	5.1	1.8
Q4	4.3	3.9	4.3	1.6	6.8	3.3	4.2	1.7	3.8	1.0
2015 Q1	3.3	2.6	3.6	0.6	-1.4	2.7	3.3	0.9	-4.4	0.6
Q2	3.2	3.1	3.3	1.7	7.6	2.5	2.9	0.5	6.6	0.7
Q3	2.3	2.6	2.0	0.6	-3.0	2.1	2.1	0.5	-4.5	0.1
Q4	2.5	2.9	2.5	0.4	-7.8	2.1	1.7	0.6	-8.4	0.4
2016 Q1	3.4	2.9	3.1	2.0	-8.5	1.9	1.6	1.6	-8.0	1.4
Q2	3.0	3.7	2.9	1.7	1.7	1.8	1.5	0.7	-0.4	1.2
Q3	4.2	4.4	4.3	1.5	7.9	2.0	1.8	0.4	6.4	2.2
Q4	5.2	4.8	5.1	3.2	10.9	2.0	1.9	0.7	7.9	3.1
2017 Q1	4.5	4.9	4.6	1.7	3.4	2.0	2.0	-0.3	0.9	2.4
Q2	4.0	4.5	4.1	1.9	3.2	1.8	1.8	0.3	2.9	2.2
Q3	3.8	3.2	3.6	1.0	2.0	1.8	1.7	0.3	1.0	2.0
Q4	3.2	2.8	3.3	1.4	10.6	1.4	1.4	0.9	9.0	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 2016/2017 = 100 for presentational purposes, whereas in table A1 it is expressed as 2015 = 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	96.3937	95.6407	95.5866
2015	96.4717	96.0782	95.8937
2016	98.0172	97.9709	97.9079
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2014 Q3	96.7437	96.0660	96.1282
Q4	96.1576	95.4560	95.0181
2015 Q1	96.0846	95.6686	95.4889
Q2	97.1515	96.6051	96.3516
Q3	96.7165	96.1983	96.0413
Q4	95.9343	95.8409	95.6930
2016 Q1	96.9938	97.0452	96.8974
Q2	97.6855	97.7299	97.6838
Q3	98.5263	98.2891	98.3531
Q4	98.8631	98.8194	98.6971
2017 Q1	99.5120	99.3693	99.3888
Q2	99.8862	99.8763	99.9473
Q3	100.0441	100.2231	100.1013
Q4	100.5577	100.5312	100.5626
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2014	1.2	1.7	1.2
2015	0.1	0.5	0.3
2016	1.6	2.0	2.1
2017	2.0	2.1	2.1
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2014 Q3	0.1	0.2	0.2
Q4	-0.6	-0.6	-1.2
2015 Q1	-0.1	0.2	0.5
Q2	1.1	1.0	0.9
Q3	-0.4	-0.4	-0.3
Q4	-0.8	-0.4	-0.4
2016 Q1	1.1	1.3	1.3
Q2	0.7	0.7	0.8
Q3	0.9	0.6	0.7
Q4	0.3	0.5	0.3
2017 Q1	0.7	0.6	0.7
Q2	0.4	0.5	0.6
Q3	0.2	0.3	0.2
Q4	0.5	0.3	0.5
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2014 Q3	1.4	1.8	1.3
Q4	0.7	1.0	0.1
2015 Q1	0.1	0.6	0.3
Q2	0.5	0.7	0.4
Q3	-	0.1	-0.1
Q4	-0.2	0.4	0.7
2016 Q1	0.9	1.4	1.5
Q2	0.5	1.2	1.4
Q3	1.9	2.2	2.4
Q4	3.1	3.1	3.1
2017 Q1	2.6	2.4	2.6
Q2	2.3	2.2	2.3
Q3	1.5	2.0	1.8
Q4	1.7	1.7	1.9

1 Implied deflator is expressed in terms of 2017 = 100, whereas in table A1 it is expressed as 2015 = 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 2015)	
		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	1 837 062	28 410	1 845 444	28 569
2015	65 110	1 888 737	28 983	1 888 737	29 008
2016	65 648	1 963 311	29 887	1 925 299	29 328
2017	66 051	2 038 714	30 866	1 958 724	29 655
Seasonally adjusted					
2014 Q3	64 725	463 142	7 156	463 201	7 156
Q4	64 854	463 704	7 150	466 727	7 197
2015 Q1	64 982	466 329	7 176	468 326	7 207
Q2	65 110	473 601	7 274	471 018	7 234
Q3	65 226	473 571	7 260	472 980	7 251
Q4	65 341	475 236	7 273	476 413	7 291
2016 Q1	65 514	482 226	7 361	477 421	7 287
Q2	65 648	487 939	7 433	479 693	7 307
Q3	65 749	493 386	7 504	482 288	7 335
Q4	65 850	499 760	7 589	485 897	7 379
2017 Q1	65 951	503 690	7 637	487 008	7 384
Q2	66 051	507 602	7 685	488 299	7 393
Q3	66 155	511 914	7 738	490 743	7 418
Q4	66 258	515 508	7 780	492 674	7 436
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2014		4.8	4.0	3.1	2.3
2015		2.8	2.0	2.3	1.5
2016		3.9	3.2	1.9	1.1
2017		3.8	3.3	1.7	1.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2014 Q3		0.9	0.7	0.8	0.6
Q4		0.1	-0.1	0.8	0.6
2015 Q1		0.6	0.4	0.3	0.1
Q2		1.6	1.4	0.6	0.4
Q3		-	-0.2	0.4	0.2
Q4		0.4	0.2	0.7	0.6
2016 Q1		1.5	1.2	0.2	-0.1
Q2		1.2	1.0	0.5	0.3
Q3		1.1	1.0	0.5	0.4
Q4		1.3	1.1	0.7	0.6
2017 Q1		0.8	0.6	0.2	0.1
Q2		0.8	0.6	0.3	0.1
Q3		0.8	0.7	0.5	0.3
Q4		0.7	0.5	0.4	0.2
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2014 Q3		4.9	4.1	3.0	2.2
Q4		4.3	3.5	3.3	2.5
2015 Q1		3.3	2.5	2.7	1.9
Q2		3.2	2.4	2.5	1.7
Q3		2.3	1.5	2.1	1.3
Q4		2.5	1.7	2.1	1.3
2016 Q1		3.4	2.6	1.9	1.1
Q2		3.0	2.2	1.8	1.0
Q3		4.2	3.4	2.0	1.2
Q4		5.2	4.3	2.0	1.2
2017 Q1		4.5	3.7	2.0	1.3
Q2		4.0	3.4	1.8	1.2
Q3		3.8	3.1	1.8	1.1
Q4		3.2	2.5	1.4	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 This data uses the UK resident population mid-year estimates published 22 June 2017

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

4 Updated population data have been taken on for the quarterly tail (2016 Quarter 1 onwards). Updates to population estimates before this point will be incorporated when the whole time series is open for revision in Blue Book 2018

R Revisions Analysis¹

Revisions since previously published estimates

£ million

		2014	2015	2016	2017
Latest less previously published levels of GDP					
at current market prices					
National accounts aggregates					
at current prices (Table A2)					
Gross domestic product at market prices	KB7D	-	-	-	..
less Basic price adjustment	KB7E	-	-	-	..
Gross value added at basic prices	KB7F	-	-	-	..
Gross domestic product:					
expenditure at current prices (Table C1)					
National expenditure on goods and services					
at market prices					
Households	KB7K	-	-	-	..
Non-profit institutions serving households	KB7L	-	-	-	..
General government	KB7M	-	-	-	..
Gross fixed capital formation	KB7N	-	-	-	..
Changes in inventories	KB7O	-	-	-	..
Acquisitions less disposals of valuables	KB7P	-	-	-	..
Total	KB7Q	-	-	-	..
Total exports	KB7R	-	-	-	..
Total imports	KB7S	-	-	-	..
Statistical discrepancy (expenditure)	KB7T	-	-	-	..
Gross domestic product:					
income at current prices (Table D)					
Compensation of employees	KB7U	-	-	-	..
Gross operating surplus of corporations	KB7V	-	-	-	..
Other income	KB7W	-	-	-	..
Gross value added at factor cost	KB7X	-	-	-	..
Taxes on products & production less Subsidies	KB7Y	-	-	-	..
Statistical discrepancy (income)	KB7Z	-	-	-	..

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

		2014	2015	2016	2017
Latest less previously published growth rates for GDP					
in chained volume terms					
Percentage changes in volume of GDP (Table A2)					
Gross domestic product chained volume measures					
Year on year growth	KB82	-	-	-	-0.1
Percentage changes in volume of GVA output components (Table B1)					
GVA at basic prices					
Agriculture, forestry and fishing	KB83	-	-	-	-0.4
Mining and quarrying inc oil & gas extraction	KB84	-	-	-	-0.7
Manufacturing	KB85	-	-	-	0.1
Electricity, gas, steam and air	KB86	-	-	-	0.4
Water supply, sewerage	KNT7	-	-	-	-0.3
Total Production	KB87	-	-	-	0.1
Construction	KB88	-	-	-	-
Distribution, hotels and restaurants	KB89	-	-	-	-0.4
Transport storage and communications	KB8A	-	-	-	0.9
Business services and finance	KB8B	-	-	-	-
Government and other services	KB8C	-	-	-	-0.2
Total services	KB8D	-	-	-	-
Total GVA	KB8E	-	-	-	-0.1
Total GVA excluding Oil	KB8F	-	-	-	-
Percentage changes in volume of GDP expenditure components (Table C2)					
National expenditure on goods and services					
at market prices					
Households	KB8G	-	-	-	..
Non-profit institutions serving households	KB8H	-	-	-	..
General government	KB8I	-	-	-	..
Gross fixed capital formation	KB8J	-	-	-	..
Total	KB8K	-	-	-	..
Total exports	KB8L	-	-	-	..
Total imports	KB8M	-	-	-	..

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

R Revisions Analysis¹

Revisions since previously published estimates

continued

£ million

		2014	2014	2015	2015	2015	2015	2016	2016	2016	2016	2017	2017	2017	2017
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Latest less previously published levels of GDP															
at current market prices															
National accounts aggregates															
at current prices (Table A2)															
Gross domestic product at market prices	KB7D	-	-	-	-	-	-	-	-	-	-	82	682	1 618	..
less Basic price adjustment	KB7E	-	-	-	-	-	-	-	-	-	-	-61	-14	110	..
Gross value added at basic prices	KB7F	-	-	-	-	-	-	-	-	-	-	143	696	1 508	..
Gross domestic product:															
expenditure at current prices (Table C1)															
National expenditure on goods and services															
at market prices															
Households	KB7K	-	-	-	-	-	-	-	-	-	-	582	782	222	..
Non-profit institutions serving households	KB7L	-	-	-	-	-	-	-	-	-	-	4	1	1	..
General government	KB7M	-	-	-	-	-	-	-	-	-	-	-82	137	294	..
Gross fixed capital formation	KB7N	-	-	-	-	-	-	-	-	-	-	104	737	1 457	..
Changes in inventories	KB7O	-	-	-	-	-	-	-	-	-	-	-77	-283	1 245	..
Acquisitions less disposals of valuables	KB7P	-	-	-	-	-	-	-	-	-	-	-15	-15	70	..
Total	KB7Q	-	-	-	-	-	-	-	-	-	-	516	1 359	3 289	..
Total exports	KB7R	-	-	-	-	-	-	-	-	-	-	-530	-616	-1 053	..
Total imports	KB7S	-	-	-	-	-	-	-	-	-	-	-	-10	152	..
Statistical discrepancy (expenditure)	KB7T	-	-	-	-	-	-	-	-	-	-	96	-71	-466	..
Gross domestic product:															
income at current prices (Table D)															
Compensation of employees	KB7U	-	-	-	-	-	-	-	-	-	-	684	796	376	..
Gross operating surplus of corporations	KB7V	-	-	-	-	-	-	-	-	-	-	-1 003	-1 067	72	..
Other income	KB7W	-	-	-	-	-	-	-	-	-	-	165	497	471	..
Gross value added at factor cost	KB7X	-	-	-	-	-	-	-	-	-	-	-154	226	919	..
Taxes on products & production less Subsidies	KB7Y	-	-	-	-	-	-	-	-	-	-	-48	-12	69	..
Statistical discrepancy (income)	KB7Z	-	-	-	-	-	-	-	-	-	-	284	468	630	..

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

		2014	2014	2015	2015	2015	2015	2016	2016	2016	2016	2017	2017	2017	2017
		Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Latest less previously published growth rates															
for GDP in chained volume terms															
Percentage changes in volume of GDP (Table A2)															
Gross domestic product chained volume measures															
Quarter on quarter growth	KB82	-	-	-	-	-	-	-	-	-	-	-0.1	-	0.1	-0.1
Quarter on same quarter a year earlier	KB94	-	-	-	-	-	-	-	-	-	-	-0.1	-0.1	0.1	-0.1
Percentage changes in volume															
of GVA output components (Table B1)															
GVA at basic prices quarter on quarter growth															
Agriculture, forestry and fishing	KB83	-	-	-	-	-	-	-	-	-	-	-0.2	-0.4	0.5	-0.5
Mining and quarrying inc oil & gas extraction	KB84	-	-	-	-	-	-	-	-	-	-	-0.3	-0.1	-0.3	-0.8
Manufacturing	KB85	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-
Electricity, gas, steam and air	KB86	-	-	-	-	-	-	-	-	-	-	0.1	0.3	0.3	-0.9
Water supply, sewerage	KNT7	-	-	-	-	-	-	-	-	-	-	-0.3	-	0.1	-0.3
Total Production	KB87	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	-0.1
Construction	KB88	-	-	-	-	-	-	-	-	-	-	-0.1	-0.2	0.2	0.3
Distribution, hotels and restaurants	KB89	-	-	-	-	-	-	-	-	-	-	-0.2	-0.1	-	-0.3
Transport storage and communications	KB8A	-	-	-	-	-	-	-	-	-	-	0.4	0.1	0.3	0.3
Business services and finance	KB8B	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Government and other services	KB8C	-	-	-	-	-	-	-	-	-	-	-	-0.2	-0.1	-0.2
Total services	KB8D	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total GVA	KB8E	-	-	-	-	-	-	-	-	-	-	-0.1	-	0.1	-0.1
Total GVA excluding Oil	KB8F	-	-	-	-	-	-	-	-	-	-	-0.1	-	0.1	-0.1
Percentage changes in volume of GDP															
expenditure components (Table C2)															
National expenditure on goods and services															
at market prices quarter on quarter growth															
Households	KB8G	-	-	-	-	-	-	-	-	-	-	0.3	0.1	-0.1	..
Non-profit institutions serving households	KB8H	-	-	-	-	-	-	-	-	-	-	-0.1	0.1	-	..
General government	KB8I	-	-	-	-	-	-	-	-	-	-	-0.2	-	0.2	..
Gross fixed capital formation	KB8J	-	-	-	-	-	-	-	-	-	-	0.3	0.2	0.4	..
Total	KB8K	-	-	-	-	-	-	-	-	-	-	-	-	0.4	..
Total exports	KB8L	-	-	-	-	-	-	-	-	-	-	-0.4	-0.1	-0.6	..
Total imports	KB8M	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	..

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

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2015

	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 & catering	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2015	L3BB 1.2	L3BG 1.2	L3BH 8.1	L3BN -	L3DM 1.0	L3DQ 3.4	L3DW 4.4	L3E2 2.6	L3GP 4.7	KI8L 4.0	KI8N 2.4	KI8P 0.9
2016	-5.6	1.3	-	0.9	2.6	5.2	3.9	2.5	4.7	4.7	2.2	0.6
2017	-0.8	2.1	-0.1	2.8	-1.1	2.8	5.1	1.6	1.7	3.6	1.8	0.2
Contributions to growth²												
2015	ZZ3V -	ZZ3W 0.2	ZZ3Y 0.1	ZZ3X -	ZZ3Z -	ZZ42 -	ZZ43 0.3	ZZ44 2.0	ZZ45 0.6	ZZ46 0.4	ZZ47 0.8	ZZ48 0.2
2016	-	0.2	-	0.1	-	0.1	0.2	2.0	0.6	0.5	0.7	0.1
2017	-	0.3	-	0.3	-	-	0.3	1.3	0.2	0.4	0.6	-
Percentage change, latest quarter on previous quarter												
Growth												
2015 Q1	L3BB -1.8	L3BG 0.3	L3BH 1.0	L3BN -0.1	L3DM 2.4	L3DQ 0.5	L3DW 1.6	L3E2 0.1	L3GP 1.0	KI8L 0.1	KI8N 0.2	KI8P -0.4
Q2	0.6	0.6	8.8	-0.6	-2.2	4.0	0.7	0.6	1.0	1.1	0.4	0.4
Q3	-0.3	-	1.4	-0.4	0.7	-	-0.4	0.4	0.6	0.9	0.4	-0.1
Q4	-1.3	-0.4	-3.1	0.1	-1.8	0.5	1.2	0.7	1.3	0.5	0.6	0.8
2016 Q1	-4.0	-	-2.5	-	1.4	1.3	0.4	0.8	1.5	1.5	0.7	0.3
Q2	-1.0	2.1	2.4	1.4	5.6	2.7	1.6	0.3	0.9	0.4	0.5	-0.3
Q3	-0.2	-0.5	5.3	-0.6	-4.2	0.3	1.2	0.8	1.2	2.8	0.6	-
Q4	0.7	0.8	-8.5	1.5	3.1	1.2	3.2	0.6	1.6	1.5	0.4	-0.3
2017 Q1	-1.0	0.4	2.6	0.6	-3.4	2.0	2.3	0.1	-0.8	-0.6	0.4	0.5
Q2	-0.5	-	1.0	-	0.1	-1.0	-0.5	0.4	0.4	1.5	0.1	0.1
Q3	1.3	1.4	2.6	1.4	1.7	-0.4	-0.3	0.4	0.5	0.3	0.7	-0.1
Q4	-0.9	0.5	-4.7	1.3	-0.5	-	-0.7	0.6	-0.2	1.1	0.9	0.2
Contributions to growth²												
2015 Q1	ZZ2F -	ZZ2G -	ZZ2I -	ZZ2H -	ZZ2J -	ZZ2K -	ZZ2L 0.1	ZZ2M 0.1	ZZ2N 0.1	ZZ2O -	ZZ2P 0.1	ZZ2Q -0.1
Q2	-	0.1	0.1	-0.1	-	-	-	0.5	0.1	0.1	0.1	0.1
Q3	-	-	-	-	-	-	-	0.3	0.1	0.1	0.1	-
Q4	-	-0.1	-0.1	-	-	-	0.1	0.6	0.2	0.1	0.2	0.2
2016 Q1	-	-	-	-	-	-	-	0.6	0.2	0.2	0.2	0.1
Q2	-	0.3	-	0.1	0.1	-	0.1	0.3	0.1	-	0.2	-0.1
Q3	-	-0.1	0.1	-0.1	-0.1	-	0.1	0.6	0.2	0.3	0.2	-
Q4	-	0.1	-0.1	0.1	0.1	-	0.2	0.5	0.2	0.2	0.1	-0.1
2017 Q1	-	0.1	-	0.1	-0.1	-	0.1	0.1	-0.1	-0.1	0.1	0.1
Q2	-	-	-	-	-	-	-	0.3	0.1	0.2	-	-
Q3	-	0.2	-	0.1	-	-	-	0.3	0.1	-	0.2	-
Q4	-	0.1	-0.1	0.1	-	-	-	0.4	-	0.1	0.3	-
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2015 Q1	L3ZZ 4.4	L426 1.4	L427 1.3	L42D 1.4	L44C 4.4	L44G -1.9	L44M 7.0	L44Q 3.4	L47F 5.4	KII2 5.0	KIH9 3.4	KIH8 1.4
Q2	2.8	1.8	10.4	0.2	1.5	5.1	5.7	2.9	4.9	4.7	2.6	1.2
Q3	0.7	1.2	13.1	-0.7	-1.0	5.7	2.2	2.3	4.5	3.9	2.1	0.5
Q4	-2.8	0.5	7.9	-0.9	-0.9	5.0	3.0	1.8	4.0	2.6	1.5	0.6
2016 Q1	-5.0	0.1	4.2	-0.8	-1.9	5.9	1.8	2.5	4.5	4.0	2.1	1.3
Q2	-6.5	1.7	-1.9	1.2	5.9	4.5	2.8	2.3	4.3	3.3	2.2	0.6
Q3	-6.4	1.2	1.8	0.9	0.7	4.9	4.5	2.7	4.9	5.2	2.3	0.7
Q4	-4.4	2.4	-3.8	2.3	5.7	5.6	6.5	2.5	5.2	6.3	2.2	-0.4
2017 Q1	-1.5	2.8	1.2	2.9	0.8	6.3	8.6	1.8	2.8	4.1	1.9	-0.2
Q2	-1.0	0.7	-0.2	1.5	-4.5	2.5	6.4	1.8	2.4	5.2	1.5	0.2
Q3	0.5	2.6	-2.7	3.6	1.5	1.8	4.8	1.4	1.7	2.7	1.7	0.1
Q4	-1.1	2.3	1.4	3.4	-2.1	0.6	0.9	1.4	-0.1	2.3	2.2	0.7
Contributions to growth²												
2015 Q1	ZZ36 -	ZZ37 0.2	ZZ39 -	ZZ38 0.1	ZZ3A 0.1	ZZ3B -	ZZ3C 0.4	ZZ3D 2.7	ZZ3E 0.7	ZZ3F 0.5	ZZ3G 1.1	ZZ3H 0.3
Q2	-	0.2	0.2	-	-	0.1	0.3	2.3	0.7	0.5	0.8	0.3
Q3	-	0.2	0.2	-0.1	-	0.1	0.1	1.8	0.6	0.4	0.7	0.1
Q4	-	0.1	0.1	-0.1	-	0.1	0.2	1.5	0.5	0.3	0.5	0.1
2016 Q1	-	-	-	-0.1	-	0.1	0.1	2.0	0.6	0.4	0.7	0.3
Q2	-	0.2	-	0.1	0.1	-	0.2	1.8	0.6	0.3	0.7	0.1
Q3	-	0.2	-	0.1	-	-	0.3	2.2	0.7	0.5	0.8	0.2
Q4	-	0.3	-	0.2	0.1	0.1	0.4	2.0	0.7	0.7	0.7	-0.1
2017 Q1	-	0.4	-	0.3	-	0.1	0.5	1.4	0.4	0.4	0.6	-
Q2	-	0.1	-	0.1	-0.1	-	0.4	1.4	0.3	0.5	0.5	-
Q3	-	0.4	-	0.4	-	-	0.3	1.1	0.2	0.3	0.6	-
Q4	-	0.3	-	0.3	-	-	0.1	1.1	-	0.3	0.7	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 2015

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	-0.8	0.6	4.1	2.8	3.7	5.0	5.1	
2016	3.1	-0.1	0.8	0.9	1.8	-0.5	2.3	4.8	
2017	1.8	-	0.3	2.3	3.9	2.2	5.0	3.5	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2015	1.7	-	0.1	0.7	0.5	0.3	1.4	1.5	-0.1
2016	1.9	-	0.2	0.2	0.3	-	0.6	1.4	-0.8
2017	1.1	-	0.1	0.4	0.6	0.2	1.4	1.1	0.4
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2015 Q1	1.0	-0.6	-	0.8	2.8	5.2	-	1.3	
Q2	0.7	0.7	0.6	-5.9	1.4	0.1	2.0	-1.5	
Q3	1.0	-1.2	0.3	1.7	-3.1	-3.3	-1.0	0.8	
Q4	0.4	1.3	-0.4	5.7	0.1	0.1	1.9	3.2	
2016 Q1	0.8	-0.5	1.0	-1.8	0.7	-	-1.5	0.2	
Q2	1.1	-	-0.3	-4.4	2.0	0.7	2.8	1.0	
Q3	0.8	-0.1	-	8.8	1.1	1.3	-1.8	3.3	
Q4	0.3	-0.1	-	-6.3	0.7	-0.1	5.2	-1.0	
2017 Q1	0.4	-	-0.1	2.5	0.8	0.7	-	1.0	
Q2	0.3	0.2	0.4	-1.3	1.2	0.5	1.7	0.5	
Q3	0.4	-	-	3.3	0.7	0.9	0.2	1.0	
Q4	0.3	-0.1	0.6	3.4	1.1	-	-0.2	1.5	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2015 Q1	0.6	-	-	0.1	0.5	0.5	-	0.4	-0.4
Q2	0.4	-	0.1	-1.1	0.2	-	0.6	-0.5	1.1
Q3	0.7	-	0.1	0.3	-0.5	-0.3	-0.3	0.2	-0.5
Q4	0.3	-	-0.1	1.0	-	-	0.5	1.0	-0.4
2016 Q1	0.5	-	0.2	-0.3	0.1	-	-0.4	0.1	-0.5
Q2	0.7	-	-	-0.8	0.3	0.1	0.8	0.3	0.5
Q3	0.5	-	-	1.4	0.2	0.1	-0.5	1.0	-1.5
Q4	0.2	-	-	-1.1	0.1	-	1.4	-0.3	1.7
2017 Q1	0.2	-	-	0.4	0.1	0.1	-	0.3	-0.3
Q2	0.2	-	0.1	-0.2	0.2	-	0.5	0.2	0.3
Q3	0.2	-	-	0.6	0.1	0.1	0.1	0.3	-0.2
Q4	0.2	-	0.1	0.6	0.2	-	-0.1	0.5	-0.5
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2015 Q1	2.4	-1.7	0.9	7.7	4.8	8.0	6.9	7.1	
Q2	2.8	-0.3	0.5	5.1	4.9	4.0	5.0	5.4	
Q3	2.5	-1.4	0.5	1.8	0.4	1.1	5.3	4.4	
Q4	3.2	0.2	0.6	1.9	1.1	2.0	2.8	3.7	
2016 Q1	2.9	0.2	1.6	-0.6	-0.9	-3.1	1.3	2.6	
Q2	3.3	-0.5	0.7	0.9	-0.4	-2.6	2.1	5.3	
Q3	3.1	0.6	0.4	8.0	4.0	2.1	1.3	7.9	
Q4	3.0	-0.8	0.7	-4.2	4.6	1.9	4.6	3.6	
2017 Q1	2.6	-0.3	-0.3	-	4.6	2.6	6.2	4.4	
Q2	1.8	-	0.3	3.3	3.8	2.3	5.1	3.9	
Q3	1.3	0.1	0.3	-2.0	3.4	1.9	7.2	1.6	
Q4	1.4	0.1	0.9	8.2	3.8	2.1	1.7	4.2	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2015 Q1	1.5	-0.1	0.2	1.3	0.8	0.7	1.9	2.1	-0.2
Q2	1.7	-	0.1	0.8	0.8	0.4	1.4	1.6	-0.2
Q3	1.6	-	0.1	0.3	0.1	0.1	1.5	1.3	0.2
Q4	2.0	-	0.1	0.3	0.2	0.2	0.8	1.2	-0.3
2016 Q1	1.8	-	0.3	-0.1	-0.2	-0.3	0.3	0.8	-0.4
Q2	2.1	-	0.1	0.1	-0.1	-0.2	0.6	1.5	-0.9
Q3	2.0	-	0.1	1.3	0.7	0.2	0.3	2.3	-1.9
Q4	1.9	-	0.1	-0.7	0.7	0.2	1.3	1.1	0.2
2017 Q1	1.6	-	-0.1	-	0.7	0.2	1.7	1.3	0.4
Q2	1.1	-	0.1	0.5	0.6	0.2	1.4	1.2	0.3
Q3	0.8	-	0.1	-0.3	0.6	0.2	2.0	0.5	1.5
Q4	0.9	-	0.2	1.3	0.6	0.2	0.5	1.3	-0.8

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	3.1	0.3	5.4	2.8
2016	4.2	2.6	4.0	4.2
2017	4.1	3.5	2.4	2.9
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2015	1.5	0.1	0.9	0.3
2016	2.0	0.6	0.7	0.5
2017	2.0	0.6	0.3	0.4
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2015 Q1	0.5	1.3	1.4	-1.6
Q2	0.8	2.0	1.9	3.2
Q3	0.7	-3.7	2.1	1.0
Q4	0.9	-0.4	-0.2	0.4
2016 Q1	0.2	5.0	0.7	1.0
Q2	2.4	-2.6	2.1	1.2
Q3	1.4	1.3	0.6	0.1
Q4	0.6	2.8	0.3	2.2
2017 Q1	1.1	1.1	0.2	-1.3
Q2	1.0	-0.9	1.1	1.8
Q3	0.6	1.1	0.2	1.9
Q4	0.5	1.3	0.9	-0.3
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2015 Q1	0.3	0.3	0.2	-0.2
Q2	0.4	0.4	0.3	0.4
Q3	-	-	-	-
Q4	0.5	-0.1	-	0.1
2016 Q1	0.1	1.1	0.1	0.1
Q2	1.2	-0.6	0.4	0.2
Q3	0.7	0.3	0.1	-
Q4	0.3	0.6	0.1	0.3
2017 Q1	0.6	0.2	-	-0.2
Q2	0.5	-0.2	0.1	0.2
Q3	0.3	-	0.1	0.2
Q4	0.3	0.4	0.1	-
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2015 Q1	2.6	4.7	5.4	1.0
Q2	3.5	2.0	4.2	2.6
Q3	3.3	-4.3	6.5	4.4
Q4	2.9	-0.9	5.3	2.9
2016 Q1	2.6	2.7	4.6	5.7
Q2	4.3	-1.9	4.7	3.7
Q3	5.0	3.2	3.1	2.9
Q4	4.8	6.5	3.7	4.7
2017 Q1	5.7	2.6	3.2	2.3
Q2	4.2	4.4	2.2	2.8
Q3	3.4	4.3	1.8	4.6
Q4	3.3	2.7	2.4	2.1
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2015 Q1	1.3	1.0	0.9	0.1
Q2	1.7	0.4	0.7	0.3
Q3	1.6	-1.0	1.1	0.5
Q4	1.4	-0.2	0.9	0.4
2016 Q1	1.3	0.6	0.8	0.7
Q2	2.1	-0.4	0.8	0.4
Q3	2.5	0.7	0.5	0.4
Q4	2.4	1.4	0.6	0.6
2017 Q1	2.8	0.5	0.5	0.3
Q2	2.1	0.8	0.3	0.3
Q3	1.7	0.6	0.3	0.6
Q4	1.6	0.4	0.3	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 2015

	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	0.6	0.8	0.2	-2.0	1.3	-5.1	-5.9	
2016	1.4	0.8	1.2	3.0	1.6	4.8	3.4	
2017	2.1	0.9	1.2	2.9	2.0	5.9	5.6	
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T	
2015 Q1	-0.2	0.2	0.1	-0.1	1.0	-1.9	-2.7	
Q2	0.2	-0.9	0.3	5.7	-1.0	-1.1	-0.7	
Q3	-	1.4	0.2	-3.2	0.6	-1.6	-1.5	
Q4	0.6	-0.7	-0.8	-5.7	0.5	-0.1	-1.4	
2016 Q1	0.1	0.7	0.7	5.3	0.9	1.9	1.2	
Q2	0.4	0.3	0.9	1.6	-	2.4	2.3	
Q3	0.5	-0.3	0.3	2.9	0.3	3.2	3.8	
Q4	0.7	0.2	0.5	-1.1	0.3	2.4	1.9	
2017 Q1	0.7	0.3	0.3	0.9	0.5	1.2	1.4	
Q2	0.2	0.4	0.4	1.0	0.6	0.4	-	
Q3	0.3	0.3	-0.5	0.4	1.1	0.8	0.1	
Q4	0.7	0.1	0.3	-	0.1	0.4	0.9	
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92	
2015 Q1	0.9	2.7	-0.3	-2.9	1.2	-4.5	-5.7	
Q2	0.6	-0.1	1.3	-0.7	0.9	-5.3	-5.7	
Q3	0.1	0.8	0.2	-0.9	1.7	-5.8	-6.0	
Q4	0.7	-	-0.2	-3.6	1.1	-4.6	-6.3	
2016 Q1	0.9	0.5	0.4	1.6	0.9	-1.0	-2.5	
Q2	1.2	1.8	1.0	-2.4	2.0	2.5	0.5	
Q3	1.7	0.1	1.1	3.8	1.7	7.5	6.0	
Q4	1.8	1.0	2.5	8.9	1.6	10.2	9.5	
2017 Q1	2.4	0.6	2.0	4.4	1.2	9.5	9.8	
Q2	2.1	0.7	1.5	3.7	1.8	7.3	7.3	
Q3	1.9	1.3	0.7	1.2	2.6	4.8	3.5	
Q4	1.9	1.1	0.5	2.3	2.3	2.7	2.5	

1 Estimates accurate to 1 decimal place

2 Non-profit institutions serving households

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

Seasonally adjusted data

Reference year 2015

	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 & catering	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage change, latest year on previous year												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2015	1.2	1.2	8.1	-	1.0	3.4	4.4	2.6	4.7	4.0	2.4	0.9
2016	-5.6	1.3	-	0.9	2.6	5.2	3.9	2.5	4.7	4.7	2.2	0.6
2017	-0.8	2.1	-0.1	2.8	-1.1	2.8	5.1	1.6	1.7	3.6	1.8	0.2
Previous estimates²												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2015	1.2	1.2	8.1	-	1.0	3.4	4.4	2.6	4.7	4.0	2.4	0.9
2016	-5.6	1.3	-	0.9	2.6	5.2	3.9	2.5	4.7	4.7	2.2	0.6
2017	-0.4	2.0	0.6	2.7	-1.5	3.1	5.1	1.6	2.1	2.7	1.8	0.4
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	-0.4	0.1	-0.7	0.1	0.4	-0.3	-	-	-0.4	0.9	-	-0.2
Percentage change, latest quarter on previous quarter												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2015 Q1	-1.8	0.3	1.0	-0.1	2.4	0.5	1.6	0.1	1.0	0.1	0.2	-0.4
Q2	0.6	0.6	8.8	-0.6	-2.2	4.0	0.7	0.6	1.0	1.1	0.4	0.4
Q3	-0.3	-	1.4	-0.4	0.7	-	-0.4	0.4	0.6	0.9	0.4	-0.1
Q4	-1.3	-0.4	-3.1	0.1	-1.8	0.5	1.2	0.7	1.3	0.5	0.6	0.8
2016 Q1	-4.0	-	-2.5	-	1.4	1.3	0.4	0.8	1.5	1.5	0.7	0.3
Q2	-1.0	2.1	2.4	1.4	5.6	2.7	1.6	0.3	0.9	0.4	0.5	-0.3
Q3	-0.2	-0.5	5.3	-0.6	-4.2	0.3	1.2	0.8	1.2	2.8	0.6	-
Q4	0.7	0.8	-8.5	1.5	3.1	1.2	3.2	0.6	1.6	1.5	0.4	-0.3
2017 Q1	-1.0	0.4	2.6	0.6	-3.4	2.0	2.3	0.1	-0.8	-0.6	0.4	0.5
Q2	-0.5	-	1.0	-	0.1	-1.0	-0.5	0.4	0.4	1.5	0.1	0.1
Q3	1.3	1.4	2.6	1.4	1.7	-0.4	-0.3	0.4	0.5	0.3	0.7	-0.1
Q4	-0.9	0.5	-4.7	1.3	-0.5	-	-0.7	0.6	-0.2	1.1	0.9	0.2
Previous estimates²												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2015 Q1	-1.8	0.3	1.0	-0.1	2.4	0.5	1.6	0.1	1.0	0.1	0.2	-0.4
Q2	0.6	0.6	8.8	-0.6	-2.2	4.0	0.7	0.6	1.0	1.1	0.4	0.4
Q3	-0.4	-0.1	1.4	-0.4	0.7	-	-0.4	0.3	0.6	0.9	0.4	-0.1
Q4	-1.3	-0.4	-3.2	0.1	-1.8	0.5	1.2	0.7	1.3	0.5	0.6	0.8
2016 Q1	-4.0	-	-2.5	-	1.4	1.3	0.4	0.8	1.5	1.5	0.7	0.3
Q2	-1.0	2.1	2.4	1.4	5.6	2.7	1.6	0.3	0.9	0.4	0.5	-0.3
Q3	-0.2	-0.5	5.3	-0.6	-4.2	0.3	1.2	0.8	1.2	2.8	0.6	-
Q4	0.7	0.8	-8.5	1.5	3.1	1.2	3.2	0.6	1.6	1.5	0.4	-0.3
2017 Q1	-0.8	0.4	2.9	0.6	-3.5	2.3	2.4	0.1	-0.6	-1.0	0.4	0.5
Q2	-0.1	-0.1	1.1	-0.1	-0.2	-1.0	-0.3	0.4	0.5	1.4	0.1	0.3
Q3	0.8	1.3	2.9	1.3	1.4	-0.5	-0.5	0.4	0.5	-	0.7	-
Q4	-0.4	0.6	-3.9	1.3	0.4	0.3	-1.0	0.6	0.1	0.8	0.8	0.4
Revisions												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2015 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-0.2	-	-0.3	-	0.1	-0.3	-0.1	-	-0.2	0.4	-	-
Q2	-0.4	0.1	-0.1	0.1	0.3	-	-0.2	-	-0.1	0.1	-	-0.2
Q3	0.5	0.1	-0.3	0.1	0.3	0.1	0.2	-	-	0.3	-	-0.1
Q4	-0.5	-0.1	-0.8	-	-0.9	-0.3	0.3	-	-0.3	0.3	0.1	-0.2

1 Estimates are accurate to 1 decimal place

2 Previous estimate refers to estimates from the Preliminary Estimate of GDP

3 Current estimate refers to the estimates released within this publication (Second Estimate of GDP)

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

continued

Seasonally adjusted data

Reference year 2015

	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 & catering	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage growths, latest quarter on corresponding quarter of previous year												
Current estimates³												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2015 Q1	4.4	1.4	1.3	1.4	4.4	-1.9	7.0	3.4	5.4	5.0	3.4	1.4
Q2	2.8	1.8	10.4	0.2	1.5	5.1	5.7	2.9	4.9	4.7	2.6	1.2
Q3	0.7	1.2	13.1	-0.7	-1.0	5.7	2.2	2.3	4.5	3.9	2.1	0.5
Q4	-2.8	0.5	7.9	-0.9	-0.9	5.0	3.0	1.8	4.0	2.6	1.5	0.6
2016 Q1	-5.0	0.1	4.2	-0.8	-1.9	5.9	1.8	2.5	4.5	4.0	2.1	1.3
Q2	-6.5	1.7	-1.9	1.2	5.9	4.5	2.8	2.3	4.3	3.3	2.2	0.6
Q3	-6.4	1.2	1.8	0.9	0.7	4.9	4.5	2.7	4.9	5.2	2.3	0.7
Q4	-4.4	2.4	-3.8	2.3	5.7	5.6	6.5	2.5	5.2	6.3	2.2	-0.4
2017 Q1	-1.5	2.8	1.2	2.9	0.8	6.3	8.6	1.8	2.8	4.1	1.9	-0.2
Q2	-1.0	0.7	-0.2	1.5	-4.5	2.5	6.4	1.8	2.4	5.2	1.5	0.2
Q3	0.5	2.6	-2.7	3.6	1.5	1.8	4.8	1.4	1.7	2.7	1.7	0.1
Q4	-1.1	2.3	1.4	3.4	-2.1	0.6	0.9	1.4	-0.1	2.3	2.2	0.7
Previous estimates²												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2015 Q1	4.4	1.4	1.3	1.4	4.4	-1.9	7.0	3.4	5.4	5.0	3.4	1.4
Q2	2.8	1.8	10.4	0.2	1.5	5.1	5.7	2.9	4.9	4.7	2.6	1.2
Q3	0.7	1.2	13.1	-0.7	-1.0	5.7	2.2	2.3	4.5	3.9	2.1	0.5
Q4	-2.8	0.4	7.9	-0.9	-0.9	5.0	3.0	1.8	4.0	2.6	1.5	0.6
2016 Q1	-5.0	0.1	4.2	-0.8	-1.9	5.9	1.8	2.5	4.5	4.0	2.1	1.3
Q2	-6.5	1.7	-2.0	1.2	5.9	4.5	2.8	2.3	4.3	3.3	2.2	0.6
Q3	-6.4	1.2	1.8	0.9	0.7	4.9	4.5	2.7	4.9	5.2	2.3	0.7
Q4	-4.4	2.4	-3.8	2.3	5.7	5.6	6.5	2.5	5.2	6.3	2.2	-0.4
2017 Q1	-1.3	2.8	1.6	2.9	0.6	6.5	8.6	1.8	3.0	3.6	1.9	-0.2
Q2	-0.4	0.6	0.2	1.4	-5.0	2.8	6.6	1.8	2.7	4.6	1.5	0.4
Q3	0.6	2.4	-2.1	3.3	0.6	2.0	4.8	1.4	2.0	1.8	1.6	0.4
Q4	-0.6	2.3	2.9	3.1	-2.0	1.1	0.6	1.4	0.5	1.1	2.1	1.1
Revisions												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2015 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-0.2	-	-0.4	-	0.2	-0.2	-	-	-0.2	0.5	-	-
Q2	-0.6	0.1	-0.4	0.1	0.5	-0.3	-0.2	-	-0.3	0.6	-	-0.2
Q3	-0.1	0.2	-0.6	0.3	0.9	-0.2	-	-	-0.3	0.9	0.1	-0.3
Q4	-0.5	-	-1.5	0.3	-0.1	-0.5	0.3	-	-0.6	1.2	0.1	-0.4

1 Estimates are accurate to 1 decimal place

2 Previous estimate refers to estimates from the Preliminary Estimate of GDP

3 Current estimate refers to the estimates released within this publication
(Second Estimate of GDP)

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

Seasonally adjusted data

Reference year 2015

Final consumption expenditure								
	Households	Non-profit institutions ³	General government	Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	less Total imports
Percentage change, latest year on previous year								
Current estimates⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2015	2.7	-0.8	0.6	4.1	2.8	3.7	5.0	5.1
2016	3.1	-0.1	0.8	0.9	1.8	-0.5	2.3	4.8
Previous estimates²								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2015	2.7	-0.8	0.6	4.1	2.8	3.7	5.0	5.1
2016	3.1	-0.1	0.8	0.9	1.8	-0.5	2.3	4.8
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2015	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2014 Q3	1.3	-0.1	0.3	5.0	1.1	-0.6	-1.4	1.7
Q4	-0.2	-0.3	-0.5	5.5	-0.6	-0.8	4.4	3.8
2015 Q1	1.0	-0.6	-	0.8	2.8	5.2	-	1.3
Q2	0.7	0.7	0.6	-5.9	1.4	0.1	2.0	-1.5
Q3	1.0	-1.2	0.3	1.7	-3.1	-3.3	-1.0	0.8
Q4	0.4	1.3	-0.4	5.7	0.1	0.1	1.9	3.2
2016 Q1	0.8	-0.5	1.0	-1.8	0.7	-	-1.5	0.2
Q2	1.1	-	-0.3	-4.4	2.0	0.7	2.8	1.0
Q3	0.8	-0.1	-	8.8	1.1	1.3	-1.8	3.3
Q4	0.3	-0.1	-	-6.3	0.7	-0.1	5.2	-1.0
2017 Q1	0.4	-	-0.1	2.5	0.8	0.7	-	1.0
Q2	0.3	0.2	0.4	-1.3	1.2	0.5	1.7	0.5
Q3	0.4	-	-	3.3	0.7	0.9	0.2	1.0
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2014 Q3	1.3	-0.1	0.3	5.0	1.1	-0.6	-1.4	1.7
Q4	-0.2	-0.3	-0.5	5.5	-0.6	-0.8	4.4	3.8
2015 Q1	1.0	-0.6	-	0.8	2.8	5.2	-	1.3
Q2	0.7	0.7	0.6	-5.9	1.4	0.1	2.0	-1.5
Q3	1.0	-1.2	0.3	1.7	-3.1	-3.3	-1.0	0.8
Q4	0.4	1.3	-0.4	5.7	0.1	0.1	1.9	3.2
2016 Q1	0.8	-0.5	1.0	-1.8	0.7	-	-1.5	0.2
Q2	1.1	-	-0.3	-4.4	2.0	0.7	2.8	1.0
Q3	0.8	-0.1	-	8.8	1.1	1.3	-1.8	3.3
Q4	0.3	-0.1	-	-6.3	0.7	-0.1	5.2	-1.0
2017 Q1	0.1	0.1	0.1	3.0	0.5	0.8	0.4	1.0
Q2	0.2	0.1	0.4	-1.1	1.0	0.5	1.8	0.4
Q3	0.5	-	-0.2	0.8	0.3	0.5	0.8	0.9
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2014 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2015 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	0.3	-0.1	-0.2	-0.5	0.3	-0.1	-0.4	-
Q2	0.1	0.1	-	-0.2	0.2	-	-0.1	0.1
Q3	-0.1	-	0.2	2.5	0.4	0.4	-0.6	0.1

1 Estimates are accurate to 1 decimal place

2 Previous estimates refers to estimates from the Quarterly National Accounts

3 Non-profit institutions serving households

4 Current estimates refers to the estimates within this publication (Second Estimate of GDP)

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

continued Seasonally adjusted data

Reference year 2015

	Final consumption expenditure							
	Households	Non-profit institutions	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports
Percentage change, latest quarter on corresponding quarter of the previous year								
Current estimates⁴								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
2014 Q3	2.7	1.2	3.0	7.6	5.2	3.0	2.0	3.5
Q4	2.0	0.1	1.7	6.5	4.1	2.8	7.7	5.1
2015 Q1	2.4	-1.7	0.9	7.7	4.8	8.0	6.9	7.1
Q2	2.8	-0.3	0.5	5.1	4.9	4.0	5.0	5.4
Q3	2.5	-1.4	0.5	1.8	0.4	1.1	5.3	4.4
Q4	3.2	0.2	0.6	1.9	1.1	2.0	2.8	3.7
2016 Q1	2.9	0.2	1.6	-0.6	-0.9	-3.1	1.3	2.6
Q2	3.3	-0.5	0.7	0.9	-0.4	-2.6	2.1	5.3
Q3	3.1	0.6	0.4	8.0	4.0	2.1	1.3	7.9
Q4	3.0	-0.8	0.7	-4.2	4.6	1.9	4.6	3.6
2017 Q1	2.6	-0.3	-0.3	-	4.6	2.6	6.2	4.4
Q2	1.8	-	0.3	3.3	3.8	2.3	5.1	3.9
Q3	1.3	0.1	0.3	-2.0	3.4	1.9	7.2	1.6
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2014 Q3	2.7	1.2	3.0	7.6	5.2	3.0	2.0	3.5
Q4	2.0	0.1	1.7	6.5	4.1	2.8	7.7	5.1
2015 Q1	2.4	-1.7	0.9	7.7	4.8	8.0	6.9	7.1
Q2	2.8	-0.3	0.5	5.1	4.9	4.0	5.0	5.4
Q3	2.5	-1.4	0.5	1.8	0.4	1.1	5.3	4.4
Q4	3.2	0.2	0.6	1.9	1.1	2.0	2.8	3.7
2016 Q1	2.9	0.2	1.6	-0.6	-0.9	-3.1	1.3	2.6
Q2	3.3	-0.5	0.7	0.9	-0.4	-2.6	2.1	5.3
Q3	3.1	0.6	0.4	8.0	4.0	2.1	1.3	7.9
Q4	3.0	-0.8	0.7	-4.2	4.6	1.9	4.6	3.6
2017 Q1	2.4	-0.2	-0.1	0.4	4.3	2.7	6.6	4.4
Q2	1.4	-0.1	0.6	3.9	3.3	2.5	5.5	3.8
Q3	1.0	0.1	0.3	-3.7	2.4	1.7	8.3	1.3
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2014 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2015 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	0.2	-0.1	-0.2	-0.4	0.3	-0.1	-0.4	-
Q2	0.4	0.1	-0.3	-0.6	0.5	-0.2	-0.4	0.1
Q3	0.3	-	-	1.7	1.0	0.2	-1.1	0.3

1 Estimates are accurate to 1 decimal place

2 Previous estimates refers to the estimates from Quarterly National Accounts

3 Non-profit institutions serving households

4 Current estimates refers to the estimates within this publication (Second Estimate of GDP)

AG Annex G - Income components of GDP- growths and revisions from previous estimate^{1,2}, Current Price

Seasonally adjusted data

	Compensation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Current estimates³				
	KGI3	KH4V	KH6T	KH65
2015	3.1	0.3	5.4	2.8
2016	4.2	2.6	4.0	4.2
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
2015	3.1	0.3	5.4	2.8
2016	4.2	2.6	4.0	4.2
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2015	-	-	-	-
2016	-	-	-	-
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KGI4	KH4W	KH6U	KH66
2014 Q3	0.9	2.6	-0.1	-0.8
Q4	1.3	-3.9	0.9	1.9
2015 Q1	0.5	1.3	1.4	-1.6
Q2	0.8	2.0	1.9	3.2
Q3	0.7	-3.7	2.1	1.0
Q4	0.9	-0.4	-0.2	0.4
2016 Q1	0.2	5.0	0.7	1.0
Q2	2.4	-2.6	2.1	1.2
Q3	1.4	1.3	0.6	0.1
Q4	0.6	2.8	0.3	2.2
2017 Q1	1.1	1.1	0.2	-1.3
Q2	1.0	-0.9	1.1	1.8
Q3	0.6	1.1	0.2	1.9
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2014 Q3	0.9	2.6	-0.1	-0.8
Q4	1.3	-3.9	0.9	1.9
2015 Q1	0.5	1.3	1.4	-1.6
Q2	0.8	2.0	1.9	3.2
Q3	0.7	-3.7	2.1	1.0
Q4	0.9	-0.4	-0.2	0.4
2016 Q1	0.2	5.0	0.7	1.0
Q2	2.4	-2.6	2.1	1.2
Q3	1.4	1.3	0.6	0.1
Q4	0.6	2.8	0.3	2.2
2017 Q1	0.8	2.1	-	-1.2
Q2	1.0	-0.8	0.7	1.7
Q3	0.7	0.1	0.3	1.8
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2014 Q3	-	-	-	-
Q4	-	-	-	-
2015 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	0.3	-1.1	0.1	-0.1
Q2	-	-0.3	-	0.1
Q3	-0.1	0.1	0.1	0.1

1 Estimates are accurate to 1 decimal place

2 Previous estimates refers to estimates from the Quarterly National Accounts

3 Current estimates refers to estimates within this publication (Second Estimate of GDP)

AG Annex G - Income components of GDP- growths and revisions from previous estimate^{1,2}, Current Price

continued Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
Percentage change, latest quarter on corresponding quarter of previous year				
Current estimates³				
2014 Q3	KGI5 1.7	KH4X 12.1	KH6V 6.8	KH67 2.6
Q4	2.2	7.4	6.8	4.1
2015 Q1	2.6	4.7	5.4	1.0
Q2	3.5	2.0	4.2	2.6
Q3	3.3	-4.3	6.5	4.4
Q4	2.9	-0.9	5.3	2.9
2016 Q1	2.6	2.7	4.6	5.7
Q2	4.3	-1.9	4.7	3.7
Q3	5.0	3.2	3.1	2.9
Q4	4.8	6.5	3.7	4.7
2017 Q1	5.7	2.6	3.2	2.3
Q2	4.2	4.4	2.2	2.8
Q3	3.4	4.3	1.8	4.6
Previous estimates²				
2014 Q3	A2CP 1.7	A2CQ 12.1	A2CR 6.8	A2CS 2.6
Q4	2.2	7.4	6.8	4.1
2015 Q1	2.6	4.7	5.4	1.0
Q2	3.5	2.0	4.2	2.6
Q3	3.3	-4.3	6.5	4.4
Q4	2.9	-0.9	5.3	2.9
2016 Q1	2.6	2.7	4.6	5.7
Q2	4.3	-1.9	4.7	3.7
Q3	5.0	3.2	3.1	2.9
Q4	4.8	6.5	3.7	4.7
2017 Q1	5.4	3.6	3.0	2.3
Q2	3.9	5.4	1.6	2.8
Q3	3.2	4.2	1.2	4.5
Revisions				
2014 Q3	ZZ8F -	ZZ8G -	ZZ8H -	ZZ8I -
Q4	-	-	-	-
2015 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	0.3	-1.1	0.1	-
Q2	0.3	-1.4	0.2	-
Q3	0.2	-1.3	0.3	0.1

1 Estimates accurate to 1 decimal place

2 Previous estimates refers to estimates from the Quarterly National Accounts

3 Current estimate refers to estimates within this publication (Second Estimate of GDP)