

Statistical bulletin

GDP quarterly national accounts, UK: October to December 2017

Revised quarterly estimate of gross domestic product (GDP) for the UK. Uses additional data to provide a more precise indication of economic growth than the first estimate.



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Next release:
27 April 2018

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, unrevised from the second estimate of GDP.
- Growth in the latest quarter was driven by professional, scientific, administration and support activities within the services sector.
- GDP was estimated to have increased by 1.8% between 2016 and 2017, an upward revision of 0.1 percentage points from the second estimate; this was slightly lower than the 1.9% growth seen between 2015 and 2016.
- Household spending grew by 1.7% between 2016 and 2017, its slowest rate of annual growth since 2011, in part reflecting the increased prices faced by consumers.
- This release incorporates additional Value Added Tax (VAT) turnover data in the calculation of the output approach to measuring GDP for the first three quarters of 2017.

2 . Things you need to know about this release

Gross domestic product (GDP) growth is the main indicator of economic performance. There are three approaches used to measure GDP; the output approach, the expenditure approach and the income approach.

The quarterly national accounts are typically published around 90 days after the end of the quarter. At this stage the data content of this estimate from the output approach to GDP has risen since the [second estimate](#) to around 91% of the total required for the final output-based estimate. There is also around 90% data content available to produce estimates of GDP from the expenditure approach and around 70% data content from the income approach.

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

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 to Quarter 4 (Oct to Dec) 2017.

When processing data for 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.

Release content

All data in this bulletin are seasonally adjusted estimates. For further information regarding non-seasonally adjusted data, please refer to the UK Economic Accounts (UKEA), which can be downloaded directly from the UKEA dataset and on the [UKEA main aggregates](#) dataset table.

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 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	1.8	1.7	4.0	1.2	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	0.3	0.4	0.7	0.2	0.8	1.0
Q2 2017	0.2	0.3	1.7	0.1	0.6	1.0
Q3 2017	0.5	0.3	0.5	0.3	0.9	0.8
Q4 2017	0.4	0.3	1.1	0.2	0.7	0.7

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 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).

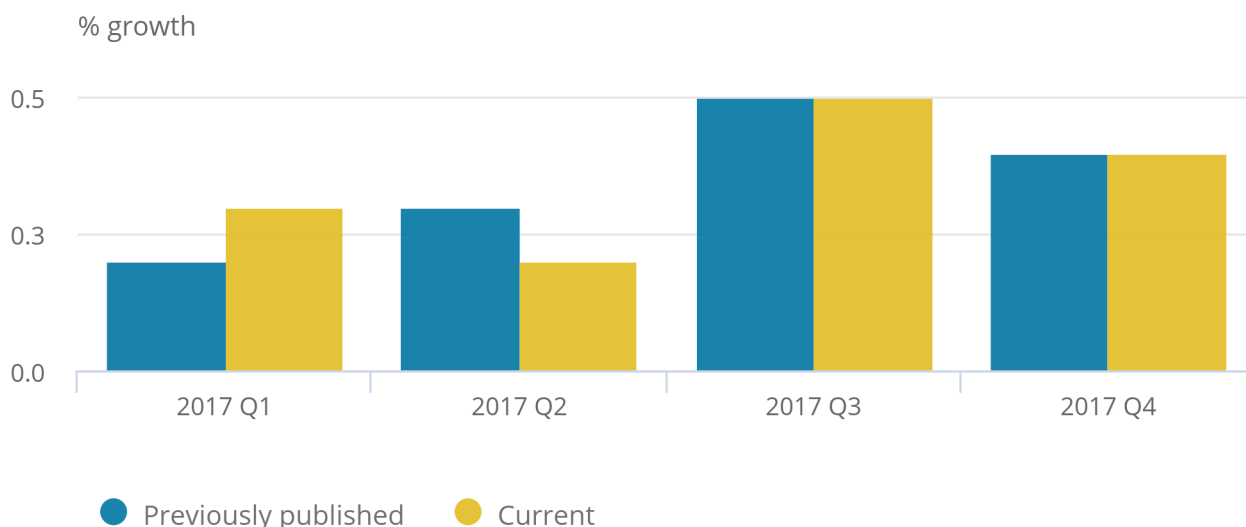
There are revisions to the 2017 quarterly path of 0.1 percentage points in two quarters of 2017 when compared with the [second estimate of GDP](#) published on 22 February 2018; an upward revision in Quarter 1 (Jan to Mar) and a downward revision in Quarter 2 (Apr to June). These revisions reflect the improvement in data content since the second estimate of GDP. The current and previous estimates of growth are illustrated in Figure 1.

Figure 1: GDP for the UK, quarter-on-quarter growth

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

Figure 1: GDP for the UK, quarter-on-quarter growth

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



Source: Office for National Statistics

Notes:

1. Q1 refers Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to Oct to Dec.

Figure 2 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 pattern of growth since Quarter 1 2013.

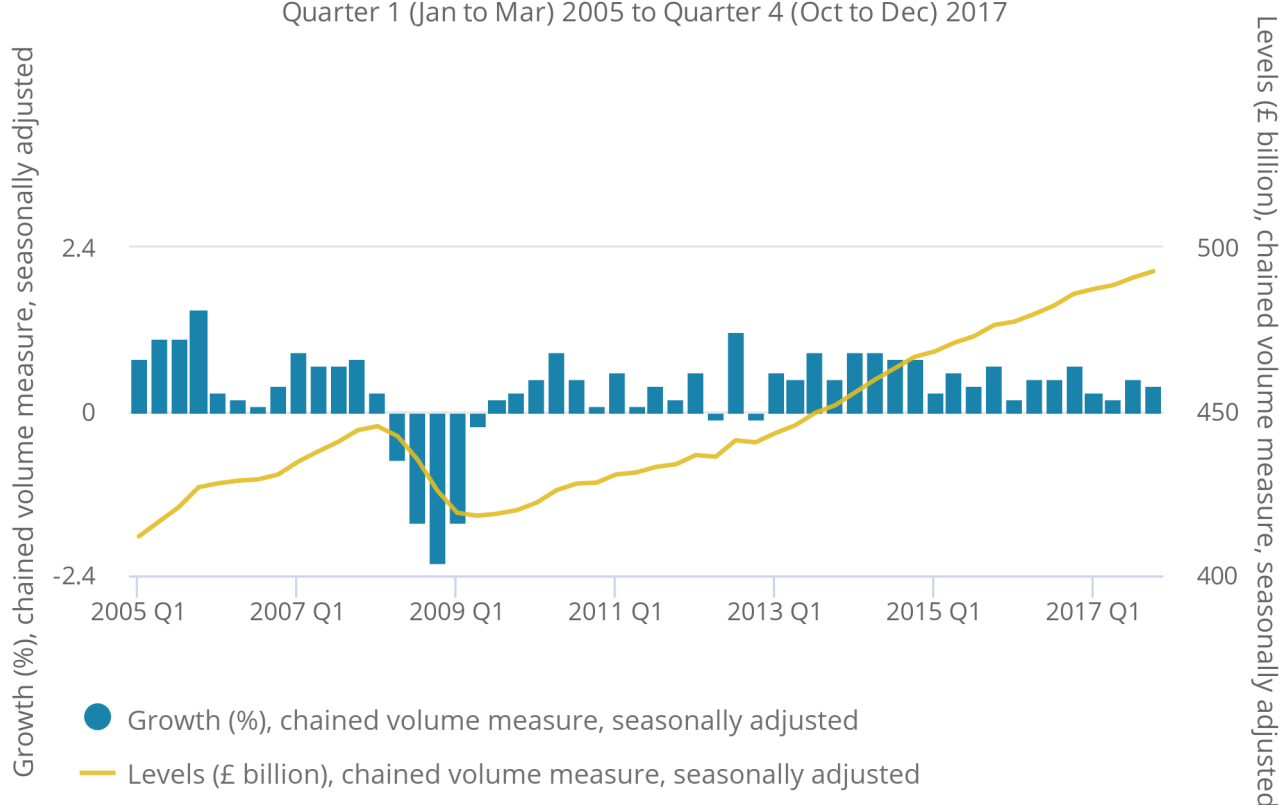
Growth in UK GDP is now 10.6% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed it in Quarter 2 2013.

Figure 2: Quarterly growth and levels of GDP for the UK

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

Figure 2: Quarterly growth and levels of GDP for the UK

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



Source: Office for National Statistics

Notes:

1. Q1 refers Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to 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 unrevised from the [second estimate of GDP](#).

Implied deflator

The GDP implied deflator at market prices for Quarter 4 2017 is 1.6% 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

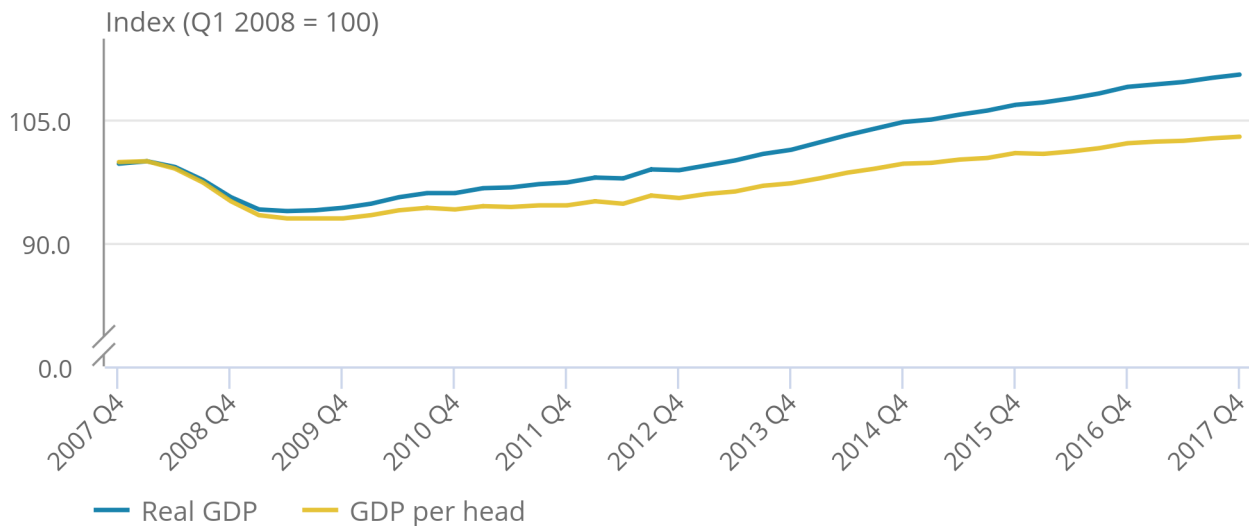
In Quarter 4 2017, GDP per head grew by 0.2% compared with Quarter 3 2017. GDP per head is now 3.0% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed this peak in Quarter 2 2015 (Figure 3).

Figure 3: Quarterly growth of GDP and GDP per head for the UK, indexed from Quarter 1 (Jan to Mar) 2008 = 100

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

Figure 3: Quarterly growth of GDP and GDP per head for the UK, indexed from Quarter 1 (Jan to Mar) 2008 = 100

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



Source: Office for National Statistics

Notes:

1. Q1 refers Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to 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, unrevised from the [second estimate of GDP](#).

VAT turnover data

Value Added Tax (VAT) turnover data for July to September and revisions for earlier periods have been incorporated into the compilation of these estimates. This data source replaces estimates initially gathered from the Monthly Business Survey (MBS) for some industries. It has only been used to estimate growth rates, with the overall level of output still derived from the Annual Business Survey and other annual benchmark sources. There are some revisions to estimates of production and construction as a result of this change in data source in this release. Further information about [the implementation of VAT turnover in national accounts](#) was published in December 2017.

Services

The largest component within the output approach of GDP is the services sector, which increased by 0.4% overall between Quarter 3 2017 and Quarter 4 2017. This was revised downwards by 0.2 percentage points from the [second estimate of GDP](#). Positive growth was recorded within three of the four sub-sectors of the services industries between Quarter 3 2017 and Quarter 4 2017. There were revisions since the [second estimate of GDP](#) in three of the four sub-sectors, the previous values are shown in brackets:

- transport, storage and communications increased by 1.1% (unrevised)
- business services and finance increased by 0.6% (0.9%)
- government and other services increased by 0.1% (0.2%)
- distribution, hotels and restaurants decreased by 0.1% (negative 0.2%)

An upward revision in Quarter 1 and downward revision in Quarter 2 2017 to total services are due to late data returns from both VAT turnover and MBS. The downward revision in Quarter 3 2017 to total services is due predominantly to VAT turnover data replacing MBS estimates for selected industries. The revisions in Quarter 4 2017 are due mainly to improved data content in the MBS and other data sources.

Data for the retail industry are broadly comparable with [Retail sales in Great Britain: December 2017](#), published on 16 February 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 0.4% between Quarter 3 2017 and Quarter 4 2017, revised down by 0.1 percentage points from the [second estimate of GDP](#). Within production, only one of the four sub-sectors increased in this period, the previous estimates are shown in brackets:

- manufacturing increased by 1.3% (unrevised)
- water supply industries decreased by 0.4% (0.0%)
- electricity, gas, steam and air conditioning decreased by 0.4% (negative 0.5%)
- mining and quarrying decreased by 4.9% (negative 4.7%)

The decrease in mining and quarrying was due partly to the shut-down of the Forties pipeline system (FPS) for a large part of December 2017.

As with services, revisions to the first two quarters of the year are due to late data returns from both VAT turnover and MBS. The revisions in Quarter 3 2017 are due predominantly to VAT turnover data replacing MBS estimates for selected industries. The revisions in Quarter 4 2017 are due mainly to improved data content in the MBS and other data sources.

Construction

Construction output was estimated to have decreased by 0.1% in the fourth quarter of 2017, revised upwards from negative 0.7% in the [second estimate of GDP](#).

With the inclusion of VAT turnover data, there have been upward revisions to construction in Quarter 1, Quarter 2 and Quarter 3 2017. This has resulted in the negative growth reported for Quarter 3 2017 in the second estimate of GDP now showing positive growth of 0.4%.

The annual growth in 2017 of 5.7% is revised upwards from the 5.1% growth reported in the [second estimate of GDP](#) and 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.

Agriculture

Agriculture, the sector that makes up the smallest proportion of total output, decreased by 1.0% into Quarter 4 2017. This was revised downwards from a decrease of 0.9% in the [second estimate of GDP](#) due to the inclusion of updated source data.

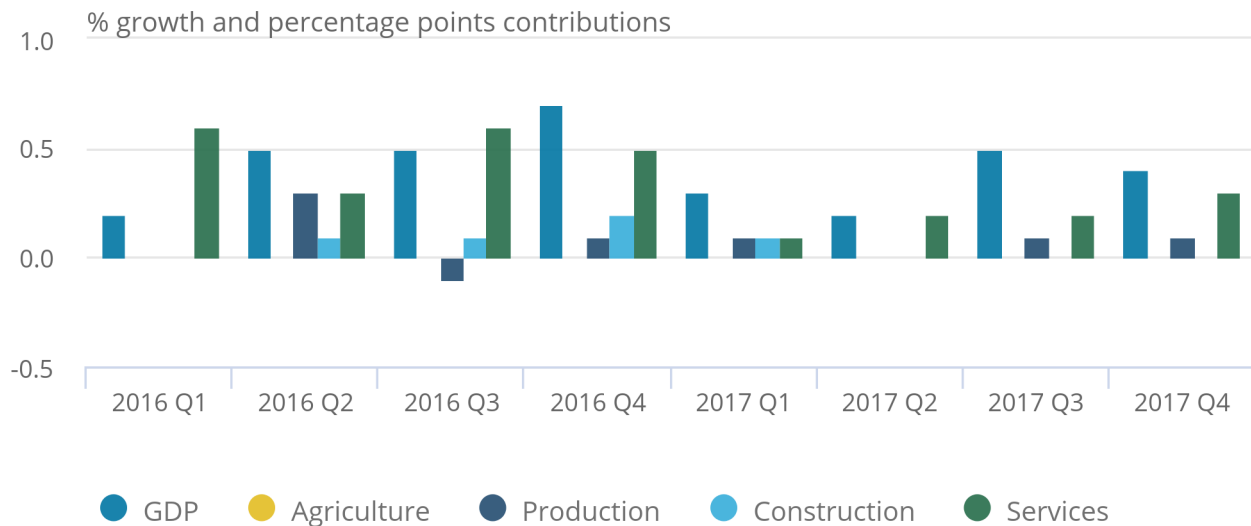
Figure 4 shows the contributions to GDP growth from the sectors of output since 2016. In all periods, the services industries contributed most to GDP growth, followed by total production.

Figure 4: Output components percentage points contribution to GDP growth for the UK, quarter-on-quarter

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

Figure 4: Output components percentage points contribution to GDP growth for the UK, 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 Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to Oct to Dec.
2. Contributions are to output gross value added and therefore may not sum to the percentage change in average GDP.
3. Contributions may not sum to GDP growth due to rounding.

5 . Slowdown in growth of household spending through 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, unrevised from the [second estimate of GDP](#). There has been a slower rate of growth in all quarters of 2017 when compared with the corresponding quarter in 2016. When comparing Quarter 4 2017 with the same quarter a year ago, household spending grew by 1.2%.

The annual rate of growth for 2017 is 1.7%, revised downwards by 0.1 percentage points since the [second estimate of GDP](#). This is the lowest rate of annual growth in household spending since 2011, when growth in household spending decreased by 1.0%.

This slower rate of annual and quarterly growths is broad-based across the categories of household spending and can, in part, be explained by the rise in prices faced by consumers.

Further information about household spending can be found in the [Consumer trends release](#).

General government final consumption expenditure (GGFCE)

GGFCE increased by 0.4% between Quarter 3 and Quarter 4 2017, revised down from 0.6% in the [second estimate of GDP](#). The largest contributor to this increase was healthcare, followed by spending on education and public administration.

Revisions to other quarters in 2017 are driven by social protection and public administration, where up-to-date source data has replaced estimates.

Gross capital formation (GCF)

In Quarter 4 2017, gross fixed capital formation (GFCF) increased by 1.1% compared with Quarter 3 2017, unrevised from the [second estimate of GDP](#).

Business investment, which makes up the largest proportion of total GFCF, increased by 0.3% in Quarter 4 2017, revised upwards by 0.3 percentage points from the [second estimate of GDP](#). Despite this slow rate of growth in the latest quarter, the 2017 annual rate of growth in business investment was 2.4%, following a decrease of 0.5% in 2016.

The general government and private dwelling sectors of GFCF contributed most to the GFCF increase in Quarter 4 2017, growing by 4.6% and 0.8% respectively (revised downwards from the 5.6% and 1.4% reported in the second estimate of GDP).

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 acquisition less disposals of valuables. The change in inventories component decreased by £0.8 billion on an aligned basis, while the acquisition less disposals of valuables component increased by £1.1 billion between Quarter 3 and Quarter 4 2017.

Trade in goods and services

In Quarter 4 2017, the trade deficit widened to £9,375 million in volume terms, from £7,617 million in Quarter 3 2017. There have been revisions to both trade in goods and trade in services components since the second estimate of GDP due to improved data content from both survey and administrative data sources. This has led to the trade deficit being revised downwards from £12,237 million in the second estimate of GDP.

Total trade imports increased by 0.4% whilst total exports decreased by 0.9%, between Quarter 3 and Quarter 4 2017. This was due in part to increases in the price of fuels that were imported combined with decreases in the volumes of fuels exported.

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 £35,488 million in 2017.

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

Figure 5 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 GCF at 0.5 percentage points, followed by household spending at 0.2 percentage points.

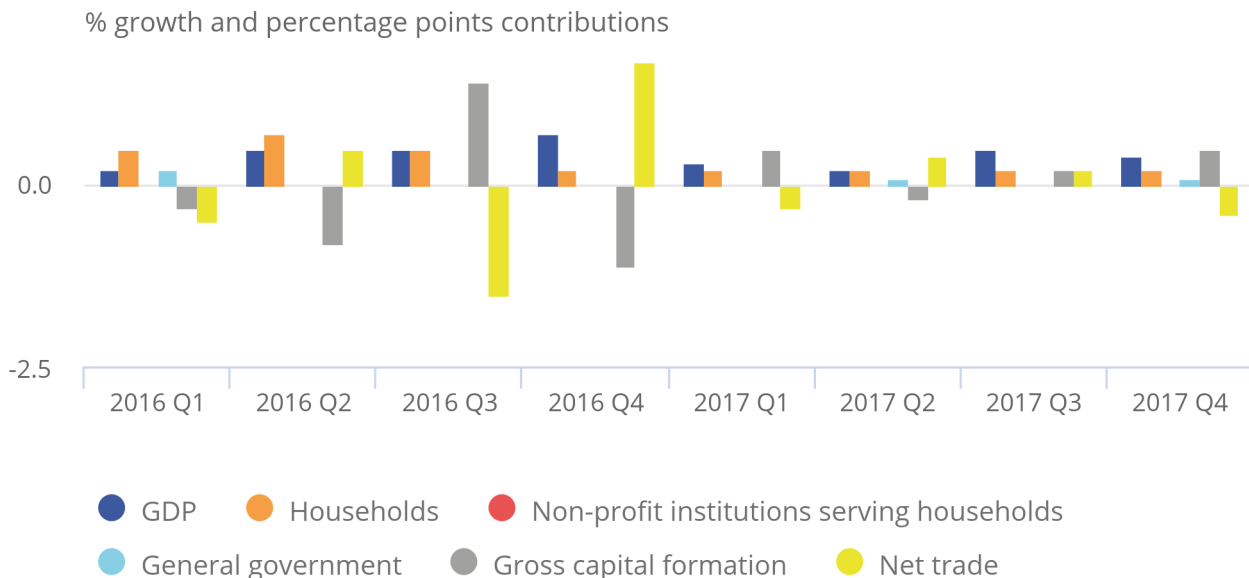
The GCF contribution was driven by acquisitions less disposals of valuables, in particular the trade in non-monetary gold. However, this was offset by the negative contribution from net trade of 0.4 percentage points, which also includes non-monetary gold, therefore making this transaction GDP-neutral. 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 5: Expenditure components percentage points contribution to GDP growth for the UK, quarter-on-quarter

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

Figure 5: Expenditure components percentage points contribution to GDP growth for the UK, 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 Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to Oct to Dec.
2. This chart does not include the statistical discrepancy and components may not sum to the percentage change in average GDP.
3. Contributions may not sum to GDP growth due to rounding.

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, unrevised from the [second estimate of GDP](#).

The income approach to measuring GDP adds up all 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.

Compensation of employees (CoE)

CoE consists of wages and salaries, and employers' social contributions. Total CoE showed positive growth of 0.7% (seasonally adjusted) into Quarter 4 2017, revised upwards by 0.2 percentage points from the [second estimate of GDP](#). This continues the pattern of a slight slowdown in growth through 2017, where growth was 1.0% in the first two quarters of the year and 0.8% in Quarter 3.

There was growth across the wages and salaries component 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 0.6% in Quarter 4 2017, revised downwards from a decrease of 0.3% in the [second estimate of GDP](#). Revisions to this component reflect outturn data replacing budgetary forecasts.

Other income

There was an increase in other income of 1.2% in Quarter 4 2017. This category includes mixed income (mostly self-employment income) and the operating surplus of the non-corporate sector. This was revised upwards by 0.3 percentage points from the second estimate of GDP, as a result of data replacing forecasts.

Gross operating surplus of corporations

Gross operating surplus of corporations saw positive growth in Quarter 4 2017 of 0.9%, revised downwards from 1.3% in the second estimate of GDP. This includes the operating surplus, or profits, of private corporations, private non-financial corporations and public corporations. The downward revision in this component in part reflects the smaller alignment adjustment (applied to the private non-financial corporations component) needed to achieve a balanced GDP dataset. Further information on this can be found in the [quality and methodology section](#).

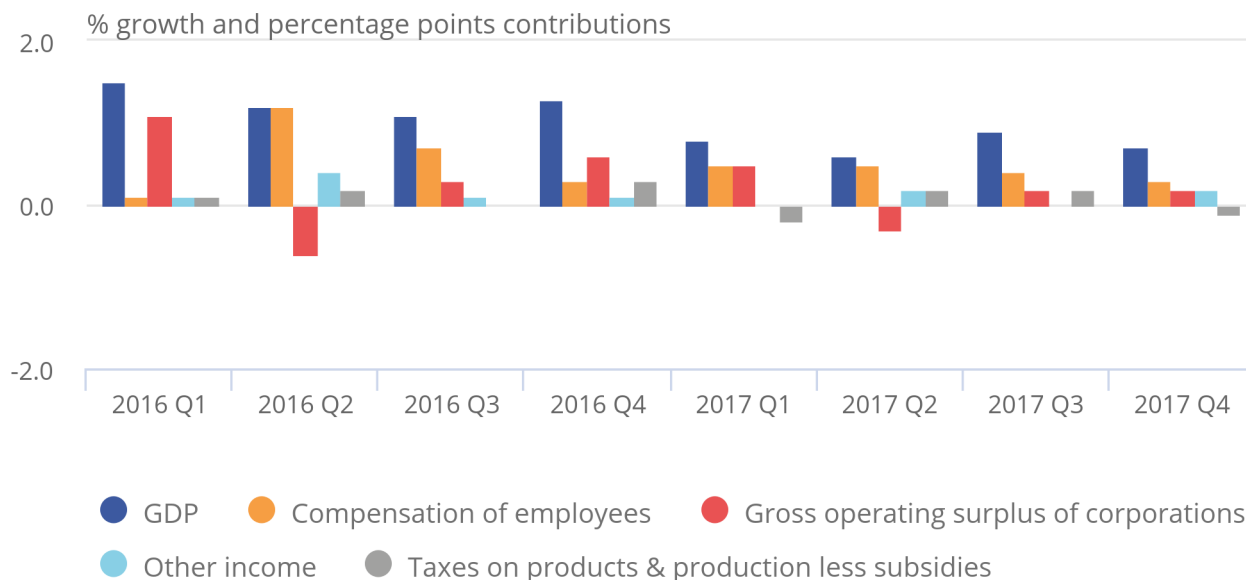
Figure 6 shows the contribution made by income components to current price GDP. In most quarters CoE provides the largest contribution to growth in the income measure of GDP, this component contributed 0.3 percentage points to current price GDP growth in Quarter 4 2017.

Figure 6: Income components percentage points contribution to GDP growth for the UK, quarter-on quarter

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

Figure 6: Income components percentage points contribution to GDP growth for the UK, 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 Jan to Mar, Q2 refers Apr to June, Q3 refers July to Sept, Q4 refers to Oct to Dec.
2. This chart does not include the statistical discrepancy and components may not sum to the percentage change in average GDP.
3. Contributions may not sum to GDP growth due to rounding.

7 . The 2017 annual picture

UK gross domestic product (GDP) increased by 1.8% between 2016 and 2017, revised upwards by 0.1 percentage points from the [second estimate of GDP](#) published on 22 February 2018.

The 2017 annual picture shows a slight 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%. This reflects the slowing down of growth seen throughout 2017 in the quarterly path.

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 [Quarterly National Accounts 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. Our blog [Getting the balance right – how ONS creates a single estimate of GDP](#) provides more detail on this.

Table 2 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 [Quarterly National Accounts data tables](#).

Table 2: Component contributions to UK annual GDP growth, 2016 and 2017

	Percentage point	
	2016	2017
Average GDP in chained volume measures ¹	1.9	1.8
Output		
Agriculture	0.0	0.0
Production	0.2	0.3
Construction	0.2	0.4
Services	2.0	1.2
Expenditure		
Households	1.9	1.1
Non-profit institutions serving households	0.0	0.0
General government	0.2	0.0
Gross capital formation	0.2	0.3
Net trade	-0.8	0.6
Average GDP in current prices ¹	3.9	3.8
Income		
Compensation of employees	2.0	2.0
Gross operating surplus of corporations	0.6	0.8
Other income	0.7	0.3
Taxes on products & production less subsidies	0.5	0.3

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 increases in 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 1.2 percentage points in 2017. The slowdown was broad-based across the sub-sectors of services, but was notable in the consumer-focused industries.

Expenditure

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

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 0.7 percentage points in 2017, with growth across a number of 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 1.6 percentage points in 2017 and the contribution of imports slowing down from 1.4 percentage points in 2016 to 1.0 percentage points in 2017. This in part reflects rising fuel prices in imports 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. There was continued annual growth in both the wages and salaries, and employers' social contributions components in 2017, with a slowdown through the quarters of 2017 in employers' social contributions.

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 increased 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 have subsequently been revised.

All of the areas included within our international comparisons witnessed positive growth in all quarters throughout 2017 (Table 3). The strongest growth seen in the latest quarter, Quarter 4 (Oct to Dec) 2017, was 0.6% by 5 of the 10 areas that form this analysis. Those areas were EU28, EA19, France, Germany and the USA. The weakest growth in the latest quarter was in Italy at 0.3%.

European Union (EU28) economies grew by an average of 0.6% in Quarter 4 2017. This means that average gross domestic product (GDP) growth between countries in the area has been positive for 19 consecutive quarters. G7 countries saw an average of 0.5% growth in Quarter 4. All G7 countries are above pre-economic downturn peaks except for Italy whose GDP remains 5.8% below the pre-downturn peak, Quarter 1 (Jan to Mar) 2008.

The area currently showing the biggest recovery over this period is Canada, up 18.1% since the downturn. 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 3: International GDP growth rate comparisons, Quarter 1 (Jan to Mar) 2016 to Quarter 4 2017

Chained volume measures, seasonally adjusted

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2016	0.5	0.5	0.3	0.6	0.6	0.3	0.2	0.6	0.7	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	0.2	0.3	0.2	0.5	1.1	0.2	0.7
Q4 2016	0.7	0.6	0.4	0.5	0.4	0.4	0.7	0.6	0.3	0.4
Q1 2017	0.6	0.6	0.5	0.7	0.9	0.5	0.3	1.0	0.5	0.3
Q2 2017	0.7	0.7	0.7	0.6	0.6	0.4	0.2	1.1	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	0.4	0.4	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 29 March 2018.

Index of Services

The [Index of Services publication](#) was published on 29 March 2018 and includes data for December 2017.

Quarterly sector accounts and balance of payments

The [Quarterly sector accounts](#) and [Balance of payments](#) releases were published on 29 March 2018.

National accounts articles

On 23 March 2018, we published an article providing an [Analysis of revisions in Blue Books and Pink Books, 2017](#). Further articles discussing the methodological changes and impacts will be published and available from the [National accounts articles](#) web page.

10 . Are there any upcoming changes?

Blue Book 2018

The next Quarterly national accounts release will be consistent with estimates compiled as part of the UK National Accounts, The Blue Book 2018. We have published an article detailing the [scope of the UK National Accounts Blue Book 2018](#) publication.

New model for publishing GDP

We published a response to the consultation on proposed changes to the GDP release schedule on 19 October 2017. [Further details on this response](#) are available on our Consultation Hub, and an article giving additional detail about the expected impact of the new model and the range of products that will be made available as part of it will be published alongside the Preliminary estimate of GDP on 27 April 2018.

International Passenger Survey

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

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 [quarterly national accounts datasets](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed. This has been the case for the income and expenditure approaches in Quarter 2 (Apr to June) 2017. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the expenditure and income components of GDP as required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content. The 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 levels of expenditure and income are lower than the level of output.

Table 4 shows the balancing adjustments applied to the GDP estimates in this publication.

Table 4: Balancing adjustments applied to the Quarterly National Accounts 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		-300		
	Chained volume measure		-300		
Trade in Services (exports)	Current prices		-250		
	Chained volume measure		-250		
Change in inventories	Current price	-1000	-1000		
	Chained volume measure	-1000	-1000		
Income					
Financial corporations	Current price	-300	-400	150	550

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	Gross national disposable income at market prices	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	YBFP	L48H	YBFV	YBGB	CGBV
2014	97.3	97.3	97.7	97.6	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	100.0
2016	103.9	103.9	101.9	101.7	102.1	102.9	101.6	102.0	102.1
2017	107.9	107.8	103.8	103.5	105.1	105.2	103.6	104.0	104.1
Seasonally adjusted									
2014 Q3	98.1	98.3	98.1	98.0	98.3	97.8	100.3	100.0	100.2
Q4	98.2	98.1	98.8	99.0	98.1	99.0	99.7	99.4	99.1
2015 Q1	98.8	98.9	99.2	99.3	100.1	99.3	99.6	99.6	99.6
Q2	100.3	100.4	99.8	99.9	100.7	99.9	100.7	100.5	100.5
Q3	100.3	100.2	100.2	100.1	100.7	100.1	100.3	100.1	100.2
Q4	100.6	100.5	100.9	100.8	98.5	100.8	99.4	99.8	99.8
2016 Q1	102.1	102.0	101.1	100.9	100.8	101.5	100.5	101.0	101.0
Q2	103.3	103.3	101.6	101.4	101.5	102.4	101.3	101.7	101.9
Q3	104.5	104.5	102.1	101.9	102.4	103.2	102.1	102.3	102.6
Q4	105.8	105.7	102.9	102.7	103.7	104.3	102.5	102.9	102.9
2017 Q1	106.7	106.7	103.2	103.0	105.1	104.7	103.1	103.4	103.6
Q2	107.3	107.4	103.5	103.2	103.7	104.9	103.4	103.7	104.0
Q3	108.4	108.2	104.0	103.7	105.4	105.4	103.7	104.2	104.3
Q4	109.1	109.1	104.4	104.1	106.4	105.9	104.1	104.5	104.7
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2014	4.8	4.7	3.1	3.5	3.7	3.9	1.2	1.7	1.2
2015	2.8	2.8	2.3	2.5	2.5	2.7	0.1	0.5	0.3
2016	3.9	3.9	1.9	1.7	2.1	2.9	1.6	2.0	2.1
2017	3.8	3.8	1.8	1.8	3.0	2.3	1.9	2.0	2.0
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2014 Q3	0.9	1.1	0.8	1.0	0.8	1.0	0.1	0.2	0.2
Q4	0.1	-0.1	0.8	1.0	-0.2	1.2	-0.6	-0.6	-1.2
2015 Q1	0.6	0.8	0.3	0.3	2.0	0.3	-0.1	0.2	0.5
Q2	1.6	1.5	0.6	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	-2.1	0.7	-0.8	-0.4	-0.4
2016 Q1	1.5	1.4	0.2	0.2	2.3	0.7	1.1	1.3	1.3
Q2	1.2	1.3	0.5	0.5	0.7	0.9	0.7	0.7	0.8
Q3	1.1	1.2	0.5	0.5	0.9	0.8	0.9	0.6	0.7
Q4	1.3	1.1	0.7	0.7	1.2	1.0	0.3	0.5	0.3
2017 Q1	0.8	1.0	0.3	0.3	1.4	0.4	0.6	0.5	0.7
Q2	0.6	0.6	0.2	0.3	-1.3	0.2	0.3	0.3	0.4
Q3	0.9	0.8	0.5	0.5	1.6	0.5	0.3	0.5	0.3
Q4	0.7	0.8	0.4	0.4	1.0	0.5	0.4	0.3	0.4
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2014 Q3	4.9	5.1	3.0	3.7	3.8	4.1	1.4	1.8	1.3
Q4	4.3	4.3	3.3	4.2	2.7	4.7	0.7	1.0	0.1
2015 Q1	3.3	3.6	2.7	3.3	3.6	3.7	0.1	0.6	0.3
Q2	3.2	3.3	2.5	2.9	3.3	3.1	0.5	0.7	0.4
Q3	2.3	2.0	2.1	2.1	2.5	2.3	-	0.1	-0.1
Q4	2.5	2.5	2.1	1.7	0.5	1.8	-0.2	0.4	0.7
2016 Q1	3.4	3.1	1.9	1.6	0.7	2.2	0.9	1.4	1.5
Q2	3.0	2.9	1.8	1.5	0.8	2.6	0.5	1.2	1.4
Q3	4.2	4.3	2.0	1.8	1.7	3.1	1.9	2.2	2.4
Q4	5.2	5.1	2.0	1.9	5.2	3.5	3.1	3.1	3.1
2017 Q1	4.5	4.6	2.1	2.1	4.3	3.2	2.5	2.4	2.5
Q2	3.9	4.0	1.9	1.9	2.2	2.4	2.1	2.0	2.1
Q3	3.7	3.5	1.8	1.8	2.9	2.1	1.5	1.9	1.7
Q4	3.1	3.2	1.4	1.4	2.6	1.5	1.6	1.6	1.7

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

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

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

A2 National accounts aggregates¹

£ million

	Current prices					Chained Volume Measures (Reference year 2015)					
	Gross national income at market prices	Net income from abroad ²	Gross domestic product at market prices	less Basic price adjustment ³	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment ³	Gross value added at basic prices	Gross value added excluding oil & gas ⁴		
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2		
2014	1 799 248	-37 814	1 837 062	198 340	1 638 722	1 845 444	201 472	1 644 002	1 630 293		
2015	1 845 800	-42 937	1 888 737	203 800	1 684 937	1 888 737	203 800	1 684 937	1 669 628		
2016	1 912 927	-50 384	1 963 311	213 485	1 749 826	1 925 299	211 541	1 713 758	1 697 908		
2017	2 004 358	-33 280	2 037 638	220 905	1 816 733	1 959 707	215 361	1 744 346	1 728 731		
Seasonally adjusted											
2014 Q3	452 528	-10 614	463 142	49 166	413 976	463 201	50 220	412 967	409 632		
Q4	452 313	-11 391	463 704	50 336	413 368	466 727	49 485	417 178	413 779		
2015 Q1	456 239	-10 090	466 329	49 737	416 592	468 326	49 929	418 359	414 746		
Q2	466 523	-7 078	473 601	50 891	422 710	471 018	50 301	420 702	416 784		
Q3	465 691	-7 880	473 571	51 445	422 126	472 980	51 520	421 478	417 732		
Q4	457 347	-17 889	475 236	51 727	423 509	476 413	52 050	424 398	420 366		
2016 Q1	467 394	-14 832	482 226	52 720	429 506	477 421	52 363	425 058	421 194		
Q2	473 556	-14 383	487 939	52 978	434 961	479 693	52 702	426 991	423 018		
Q3	482 398	-10 988	493 386	53 127	440 259	482 288	53 037	429 251	425 015		
Q4	489 579	-10 181	499 760	54 660	445 100	485 897	53 439	432 458	428 681		
2017 Q1	497 801	-6 144	503 945	54 483	449 462	487 422	53 605	433 817	429 920		
Q2	494 631	-12 221	506 852	54 646	452 206	488 624	53 709	434 915	431 004		
Q3	503 299	-8 350	511 649	55 954	455 695	490 876	53 925	436 951	432 932		
Q4	508 627	-6 565	515 192	55 822	459 370	492 785	54 122	438 663	434 875		
Percentage change, latest year on previous year											
	KH74		IHYM		KGL6		IHYP		KGM7		KLH8
2014	4.8		4.8		4.7		3.1		3.5		3.6
2015	2.6		2.8		2.8		2.3		2.5		2.4
2016	3.6		3.9		3.9		1.9		1.7		1.7
2017	4.8		3.8		3.8		1.8		1.8		1.8
Percentage change, latest quarter on previous quarter											
	KH75		IHYN		KGL8		IHYQ		KGM9		
2014 Q3	0.4		0.9		1.1		0.8		1.0		1.0
Q4	-		0.1		-0.1		0.8		1.0		1.0
2015 Q1	0.9		0.6		0.8		0.3		0.3		0.2
Q2	2.3		1.6		1.5		0.6		0.6		0.5
Q3	-0.2		-		-0.1		0.4		0.2		0.2
Q4	-1.8		0.4		0.3		0.7		0.7		0.6
2016 Q1	2.2		1.5		1.4		0.2		0.2		0.2
Q2	1.3		1.2		1.3		0.5		0.5		0.4
Q3	1.9		1.1		1.2		0.5		0.5		0.5
Q4	1.5		1.3		1.1		0.7		0.7		0.9
2017 Q1	1.7		0.8		1.0		0.3		0.3		0.3
Q2	-0.6		0.6		0.6		0.2		0.3		0.3
Q3	1.8		0.9		0.8		0.5		0.5		0.4
Q4	1.1		0.7		0.8		0.4		0.4		0.4
Percentage change, latest quarter on corresponding quarter of previous year											
	KH76		IHYO		KGM2		IHYR		KGN3		KLH9
2014 Q3	4.6		4.9		5.1		3.0		3.7		3.9
Q4	3.8		4.3		4.3		3.3		4.2		4.3
2015 Q1	2.8		3.3		3.6		2.7		3.3		3.3
Q2	3.5		3.2		3.3		2.5		2.9		2.8
Q3	2.9		2.3		2.0		2.1		2.1		2.0
Q4	1.1		2.5		2.5		2.1		1.7		1.6
2016 Q1	2.4		3.4		3.1		1.9		1.6		1.6
Q2	1.5		3.0		2.9		1.8		1.5		1.5
Q3	3.6		4.2		4.3		2.0		1.8		1.7
Q4	7.0		5.2		5.1		2.0		1.9		2.0
2017 Q1	6.5		4.5		4.6		2.1		2.1		2.1
Q2	4.5		3.9		4.0		1.9		1.9		1.9
Q3	4.3		3.7		3.5		1.8		1.8		1.9
Q4	3.9		3.1		3.2		1.4		1.4		1.4

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

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

4 Calculated by using gross value added at basic prices minus extraction of crude petroleum and natural gas

B1 Gross value added at chained volume measures basic prices, by category of output^{1,2}

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	Government 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	94.0	99.5	103.5	101.8	107.7	103.2	109.8	106.6	108.3	104.0	100.6	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	93.8	99.1	102.6	101.0	109.3	102.6	109.9	106.1	107.0	103.4	100.7	103.6	103.0	103.0
Q2	93.7	100.0	102.6	101.1	108.1	102.6	109.5	106.5	108.2	103.5	100.7	103.9	103.2	103.3
Q3	94.8	102.0	103.7	102.7	106.9	103.6	110.0	107.0	108.5	104.1	100.5	104.2	103.7	103.7
Q4	93.9	97.0	105.0	102.3	106.5	104.1	109.9	106.9	109.6	104.7	100.6	104.6	104.1	104.2
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	-0.4	-0.5	2.5	-0.8	2.3	1.9	5.7	1.8	3.5	1.7	0.1	1.5	1.8	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	-0.8	2.7	0.5	-3.0	2.1	0.4	2.4	-0.6	-0.3	0.4	0.5	0.2	0.3	0.3
Q2	-0.1	0.9	-	0.1	-1.1	-	-0.4	0.4	1.1	0.1	-	0.3	0.3	0.3
Q3	1.1	2.0	1.1	1.5	-1.1	1.0	0.4	0.5	0.3	0.5	-0.2	0.3	0.5	0.4
Q4	-1.0	-4.9	1.3	-0.4	-0.4	0.4	-0.1	-0.1	1.1	0.6	0.1	0.4	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	-1.3	1.3	2.9	1.2	6.4	2.8	8.6	3.0	4.3	2.0	-0.2	1.9	2.1	2.1
Q2	-0.4	-0.2	1.3	-4.1	2.5	0.6	6.5	2.5	5.0	1.6	0.1	1.8	1.9	1.9
Q3	0.9	-3.3	3.1	1.7	1.1	2.2	5.6	1.8	2.5	1.6	-0.1	1.3	1.8	1.9
Q4	-0.8	0.6	2.9	-1.7	-0.5	1.9	2.3	0.2	2.1	1.7	0.4	1.1	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	107.0	108.3	105.4	100.3	101.6	108.6	99.1	101.1	102.7	98.0	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	106.0	107.0	106.3	100.9	101.1	107.5	98.7	100.9	102.4	99.6	103.6
Q2	106.7	108.2	105.6	100.4	101.5	107.6	99.2	100.9	102.5	98.9	103.9
Q3	107.5	108.5	105.1	100.5	101.7	108.9	99.1	101.2	102.6	97.2	104.2
Q4	107.6	109.6	104.6	99.7	102.1	110.5	99.2	101.4	103.3	96.2	104.6
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	2.0	3.5	1.4	-0.1	0.8	3.6	0.4	1.2	0.4	-2.8	1.5
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	-1.0	-0.3	0.6	0.3	0.4	0.5	0.2	1.0	0.4	0.2	0.2
Q2	0.7	1.1	-0.7	-0.4	0.4	0.1	0.5	-0.1	0.1	-0.7	0.3
Q3	0.7	0.3	-0.4	-	0.2	1.2	-0.1	0.3	0.1	-1.7	0.3
Q4	-	1.1	-0.5	-0.8	0.4	1.5	0.1	0.2	0.7	-1.0	0.4
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	2.6	4.3	4.5	1.0	-	4.7	-0.3	0.8	0.2	-2.0	1.9
Q2	2.5	5.0	2.2	0.4	0.7	3.1	0.8	1.1	0.2	-2.2	1.8
Q3	2.3	2.5	-	-0.8	1.1	3.3	0.6	1.6	0.2	-3.9	1.3
Q4	0.5	2.1	-1.0	-0.9	1.5	3.4	0.7	1.4	1.2	-3.1	1.1

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										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	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Trade balance ⁶			
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	-	102 187	893 518	925 239	818 555	756 -36 831	-	1 837 062	
2015	1 181 868	56 614	362 062	313 189	179 697	7 812	-	-438 192	107 517	161 243	268 549	531 -32 370	-	1 888 737	
2016	1 235 357	57 022	369 660	323 761	181 726	7 714	-	1 671 199	185 554	738 254	923 595	415 -40 677	8 803	1 963 311	
2017	1 282 038	57 554	375 104	343 599	190 107	733	-	2 307 206	335 622	063 268	398 650	683 -28 620	4 923	2 037 638	
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	-217	-2 000	-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	317 747	14 299	93 261	83 337	46 883	2 265	123	-117	510 792	151 254	662 046	160 198	-8 944	2 097	503 945
Q2	319 163	14 384	93 997	85 581	47 188	-1 391	-2 728	584	512 318	154 393	666 711	161 242	-6 849	1 383	506 852
Q3	321 134	14 428	93 668	86 836	48 095	-735	542	695	516 026	158 280	674 306	163 468	-5 188	811	511 649
Q4	323 994	14 443	94 178	87 845	47 941	594	2 063	1 145	522 199	158 136	680 335	165 775	-7 639	632	515 192
Percentage change, latest year on previous year															
	KG7	KGZ8	KH2C	KG6O	KG6N			KGX3	KH2O	KG7	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	3.8	0.9	1.5	6.1	4.6			3.3	12.1	5.2	9.3			3.8	
Percentage change, latest quarter on previous quarter															
	KG8	KGZ9	KH2D	KG6W	KG6V			KGX4	KH2P	KG8	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	1.0	2.7			1.3	1.3	1.3	2.5			0.8	
Q2	0.4	0.6	0.8	2.7	0.7			0.3	2.1	0.7	0.7			0.6	
Q3	0.6	0.3	-0.4	1.5	1.9			0.7	2.5	1.1	1.4			0.9	
Q4	0.9	0.1	0.5	1.2	-0.3			1.2	-0.1	0.9	1.4			0.7	
Percentage change, latest quarter on corresponding quarter of previous year															
	KG9	KH22	KH2E	KG76	KG75			KGX5	KH2Q	KG9	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	5.5	4.2			4.2	16.4	6.7	14.7			4.5	
Q2	3.9	0.7	1.8	6.2	4.3			3.9	12.9	5.8	11.6			3.9	
Q3	3.2	1.4	1.1	6.3	4.9			1.7	14.2	4.4	5.5			3.7	
Q4	3.0	1.3	1.2	6.4	5.0			3.5	5.9	4.1	6.0			3.1	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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

Reference year 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	Changes in inventories ⁴	Of which alignment adjustment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Total Trade balance ⁶	(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	-	-24 187	361 492	660 236	507 522	796 -30	136	-	1 845 444
2015	1 181 868	56 614	362 062	313 189	179 697	7 812	-	-438 192	107 517	161 243	268 549	531 -32	370	-	1 888 737
2016	1 218 393	56 546	365 112	318 779	178 835	3 153	-	1 602 196	585 529	172 249	757 576	084 -46	912	8 626	1 925 299
2017	1 239 465	56 543	365 597	331 654	183 182	-5 084	-	2 276 199	451 559	138 254	589 594	626 -35	488	4 744	1 959 707
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	308 571	14 118	91 110	81 455	45 171	341	123	-120	495 475	136 893	632 368	146 974	-10 081	2 028	487 422
Q2	309 393	14 144	91 403	82 824	45 728	-2 639	-2 625	581	495 706	139 450	635 156	147 865	-8 415	1 333	488 624
Q3	310 336	14 147	91 337	83 242	46 083	-2 026	525	679	497 715	142 013	639 728	149 630	-7 617	778	490 876
Q4	311 165	14 134	91 747	84 133	46 200	-760	1 977	1 136	501 555	140 782	642 337	150 157	-9 375	605	492 785
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	1.7	-	0.1	4.0	2.4			1.4	5.7	2.3	3.2			1.8	
Percentage change, latest quarter on previous quarter															
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O			IHYQ	
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	0.7	0.3			0.7	-0.2	0.5	0.9			0.3	
Q2	0.3	0.2	0.3	1.7	1.2			-	1.9	0.4	0.6			0.2	
Q3	0.3	-	-0.1	0.5	0.8			0.4	1.8	0.7	1.2			0.5	
Q4	0.3	-0.1	0.4	1.1	0.3			0.8	-0.9	0.4	0.4			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	-0.2	-0.4	4.5	2.2			1.6	6.1	2.5	4.3			2.1	
Q2	1.8	-	0.2	4.2	2.7			1.8	5.1	2.5	3.8			1.9	
Q3	1.3	0.1	0.1	3.6	2.2			0.2	9.0	2.0	1.7			1.8	
Q4	1.2	0.1	0.6	4.0	2.6			1.9	2.7	2.1	3.1			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	1 008 635	368 926	–	47 944	16 925	433 795	341 692	1 784 122	246 189	7 327	2 037 638
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	248 948	93 130	1 594	11 913	3 811	108 854	84 497	442 299	60 298	1 348	503 945
Q2	251 341	90 299	–2 255	12 372	4 536	107 207	85 235	443 783	61 334	1 735	506 852
Q3	253 296	91 857	–738	12 268	4 255	108 380	85 470	447 146	62 452	2 051	511 649
Q4	255 050	93 640	1 399	11 391	4 323	109 354	86 490	450 894	62 105	2 193	515 192
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	4.2		3.0	1.4	4.0	2.0	3.7	2.8		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	1.0	2.1		6.8	–7.1	2.2	–0.2	1.1	–1.3		0.8
Q2	1.0	–3.0		3.9	19.0	–1.5	0.9	0.3	1.7		0.6
Q3	0.8	1.7		–0.8	–6.2	1.1	0.3	0.8	1.8		0.9
Q4	0.7	1.9		–7.1	1.6	0.9	1.2	0.8	–0.6		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	5.6	3.5		5.4	3.0	3.7	2.9	4.6	2.2		4.5
Q2	4.0	4.7		9.5	–3.2	4.9	1.7	3.8	2.7		3.9
Q3	3.4	6.1		–4.0	1.3	4.7	1.3	3.3	4.5		3.7
Q4	3.5	2.6		2.1	5.4	2.7	2.2	3.0	1.6		3.1

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL²

UK DOMESTIC³

COICOP ¹	Net		Total	Food & drink		Alcohol & tobacco		Clothing & footwear		Household goods & services		Health	Transport	Communi- cation	Recreati- on & culture		Restau- rants & hotels		Miscell- aneous
	Total	tourism		01	02	03	04	05	06	07	08				09	10	11		
	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	1 282 038	11 668	1 270 370	103 666	44 484	71 727	340 588	63 291	23 614	167 103	24 884	121 343	22 065	122 415	165 190				

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	317 747	3 270	314 477	25 374	10 878	17 484	83 853	15 481	5 784	42 778	6 120	30 020	5 477	30 465	40 763				
Q2	319 163	2 888	316 275	25 835	11 182	17 903	84 517	15 682	5 861	40 966	6 179	30 119	5 502	30 441	42 088				
Q3	321 134	2 718	318 416	26 071	11 169	18 141	85 714	16 002	5 963	41 348	6 301	30 321	5 530	30 664	41 192				
Q4	323 994	2 792	321 202	26 386	11 255	18 199	86 504	16 126	6 006	42 011	6 284	30 883	5 556	30 845	41 147				

Percentage change, latest year on previous year

	KG Y7	KG 6U	KG 9N	KG F3	KG F9	KG G7	KG H5	KG I6	KG J4	KG K2	KG K8	KG B2	KG C6	KG E2
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	3.8	4.0	5.2	1.9	5.9	3.2	7.7	8.9	2.2	3.3	4.6	1.9	5.3	3.7

Percentage change, quarter on previous quarter

	KG Y8	KG 74	KG 9R	KG F4	KG G2	KG G8	KG H6	KG I7	KG J5	KG K3	KG K9	KG B3	KG C7	KG E3
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	2.2	0.1	0.6	0.3	2.7	4.6	3.2	-0.1	1.7	0.5	2.3	-0.6
Q2	0.4	0.6	1.8	2.8	2.4	0.8	1.3	1.3	-4.2	1.0	0.3	0.5	-0.1	3.3
Q3	0.6	0.7	0.9	-0.1	1.3	1.4	2.0	1.7	0.9	2.0	0.7	0.5	0.7	-2.1
Q4	0.9	0.9	1.2	0.8	0.3	0.9	0.8	0.7	1.6	-0.3	1.9	0.5	0.6	-0.1

Percentage change, quarter on corresponding quarter of previous year

	KG Y9	KG 7C	KG 9V	KG F5	KG G3	KG G9	KG H7	KG I8	KG J6	KG K4	KG L2	KG B4	KG C8	KG E4
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	3.3	0.1	3.9	2.5	8.9	6.8	6.1	4.1	5.7	1.9	8.2	7.4
Q2	3.9	4.1	5.5	1.6	7.5	2.4	6.8	8.3	0.6	3.4	4.3	1.9	5.4	7.5
Q3	3.2	3.7	5.7	2.2	7.5	4.3	8.0	11.8	0.9	3.2	3.8	1.9	4.4	-
Q4	3.0	3.4	6.3	3.5	4.7	3.5	7.0	8.6	1.3	2.6	4.6	1.9	3.5	0.3

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	1 282 038	11 668	1 270 370	529 675	124 381	135 954	269 340	740 695	
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	317 747	3 270	314 477	130 812	31 488	33 121	66 203	183 665	
Q2	319 163	2 888	316 275	130 718	30 206	33 775	66 737	185 557	
Q3	321 134	2 718	318 416	133 141	31 172	34 273	67 696	185 275	
Q4	323 994	2 792	321 202	135 004	31 515	34 785	68 704	186 198	
Percentage change, latest year on previous year									
	KG Y7		KG6U	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	3.8		4.0	5.1	4.4	7.0	4.4	3.3	
Percentage change, quarter on previous quarter									
	KG Y8		KG74	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	2.0	5.1	1.9	0.7	0.7	
Q2	0.4		0.6	-0.1	-4.1	2.0	0.8	1.0	
Q3	0.6		0.7	1.9	3.2	1.5	1.4	-0.2	
Q4	0.9		0.9	1.4	1.1	1.5	1.5	0.5	
Percentage change, quarter on corresponding quarter of previous year									
	KG Y9		KG7C	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	4.9	6.2	5.6	3.9	4.9	
Q2	3.9		4.1	4.0	1.7	7.1	3.6	4.2	
Q3	3.2		3.7	6.2	4.7	8.3	5.8	2.0	
Q4	3.0		3.4	5.3	5.1	7.0	4.5	2.1	

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		Total	Food & drink		Alcohol & tobacco		Clothing & footwear		Household goods & services		Health	Transport	Communi- cation	Recreati- on & culture		Restau- rants & hotels		Miscell- aneous
	Total	tourism		01	02	03	04	05	06	07	08				09	10	11		
	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	1 239 465	6 997	1 232 468	103 758	41 589	70 086	327 197	61 621	22 920	162 099	23 804	118 573	20 283	116 209	164 329				

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	308 571	1 975	306 596	25 746	10 286	17 365	81 299	15 233	5 697	40 998	5 894	29 520	5 073	29 034	40 451				
Q2	309 393	1 774	307 619	25 917	10 477	17 522	81 394	15 367	5 698	39 900	5 946	29 545	5 095	29 026	41 732				
Q3	310 336	1 703	308 633	26 037	10 410	17 599	82 086	15 502	5 754	40 465	5 988	29 610	5 108	29 082	40 992				
Q4	311 165	1 545	309 620	26 058	10 416	17 600	82 418	15 519	5 771	40 736	5 976	29 898	5 007	29 067	41 154				

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	1.7	2.1	2.7	-1.7	3.4	1.3	4.7	5.8	0.1	1.6	2.6	-1.9	2.3	4.3

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	1.0	-1.1	0.2	-0.1	1.6	4.6	0.7	-0.3	1.0	0.5	0.5	0.3
Q2	0.3	0.3	0.7	1.9	0.9	0.1	0.9	-	-2.7	0.9	0.1	0.4	-	3.2
Q3	0.3	0.3	0.5	-0.6	0.4	0.9	0.9	1.0	1.4	0.7	0.2	0.3	0.2	-1.8
Q4	0.3	0.3	0.1	0.1	-	0.4	0.1	0.3	0.7	-0.2	1.0	-2.0	-0.1	0.4

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	2.9	-3.2	3.6	0.9	7.1	5.1	2.4	1.7	3.4	-2.3	3.8	6.4
Q2	1.8	2.2	3.0	-2.5	4.6	0.5	4.6	5.2	-1.6	1.8	2.8	-2.4	2.7	7.9
Q3	1.3	1.9	2.7	-1.3	3.7	2.4	3.6	7.0	-0.3	1.6	2.1	-1.9	2.1	1.2
Q4	1.2	1.5	2.2	0.2	1.6	1.3	3.5	5.9	0.1	1.1	2.3	-0.9	0.6	2.1

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	1 239 465	6 997	1 232 468	519 701	121 354	133 912	264 435	712 767	
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	308 571	1 975	306 596	129 188	30 902	33 011	65 275	177 408	
Q2	309 393	1 774	307 619	128 848	29 521	33 438	65 889	178 771	
Q3	310 336	1 703	308 633	130 415	30 270	33 653	66 492	178 218	
Q4	311 165	1 545	309 620	131 250	30 661	33 810	66 779	178 370	
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	1.7		2.1	2.5	2.0	5.0	1.5	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	0.5	3.2	1.3	-1.2	0.5	
Q2	0.3		0.3	-0.3	-4.5	1.3	0.9	0.8	
Q3	0.3		0.3	1.2	2.5	0.6	0.9	-0.3	
Q4	0.3		0.3	0.6	1.3	0.5	0.4	0.1	
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	3.0	4.7	5.0	1.3	2.7	
Q2	1.8		2.2	1.6	-0.6	5.6	0.7	2.6	
Q3	1.3		1.9	3.1	1.4	5.5	2.8	1.0	
Q4	1.2		1.5	2.1	2.4	3.7	1.1	1.0	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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 and Property Products	Total
	Business investment ¹	General government	Dwellings ³	non-produced assets	Costs of transfer of ownership of non-produced assets	Dwellings ³	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	183 182	52 865	8 007	768	69 161	17 671	331 654	24 572	54 440	77 169	112 768	62 705	331 654	
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	45 171	12 011	1 985	152	17 320	4 816	81 455	6 406	12 817	19 305	27 904	15 023	81 455	
Q2	45 728	13 652	1 998	237	16 953	4 256	82 824	6 529	13 881	18 951	28 052	15 411	82 824	
Q3	46 083	13 292	1 997	189	17 372	4 309	83 242	5 751	14 015	19 370	28 209	15 897	83 242	
Q4	46 200	13 910	2 027	190	17 516	4 290	84 133	5 886	13 727	19 543	28 603	16 374	84 133	
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	2.4	3.8	5.3	6.8	7.9	6.5	4.0	-7.5	0.8	7.5	6.4	3.8	4.0	
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	0.3	-6.5	2.4	-14.6	4.0	12.7	0.7	-5.6	-2.9	3.7	2.8	-1.0	0.7	
Q2	1.2	13.7	0.7	55.9	-2.1	-11.6	1.7	1.9	8.3	-1.8	0.5	2.6	1.7	
Q3	0.8	-2.6	-0.1	-20.3	2.5	1.2	0.5	-11.9	1.0	2.2	0.6	3.2	0.5	
Q4	0.3	4.6	1.5	0.5	0.8	-0.4	1.1	2.3	-2.1	0.9	1.4	3.0	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	2.2	1.3	12.3	-5.0	11.1	9.3	4.5	5.5	-5.3	11.2	7.6	-0.3	4.5	
Q2	2.7	4.2	-0.7	12.3	7.6	8.7	4.2	1.4	0.2	6.6	6.6	1.9	4.2	
Q3	2.2	1.2	5.9	11.2	7.9	7.6	3.6	-20.9	4.5	7.6	5.9	5.5	3.6	
Q4	2.6	8.3	4.5	6.7	5.1	0.4	4.0	-13.3	3.9	5.0	5.4	7.9	4.0	

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

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

3 Includes 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 1 046	FBNF -61	FBNG 1 146	FBNH 1 442	DHBM 2 527	FAEB -584	FAJX 2 166	FBYN 2 844	DLWX -3 156	CAFU 5 548
2015	480	982	207	255	1 444	-437	1 585	1 708	3 032	7 812
2016	-1 890	-688	228	-2 470	-2 930	-425	249	-1 633	9 782	3 153
2017	-223	416	969	1 348	2 733	180	1 415	-1 482	-7 707	-5 084
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	157	1 214	-93	-401	720	493	1 686	-1 033	-1 682	341
Q2	142	-186	514	47	375	-604	501	18	-3 071	-2 639
Q3	-300	-	905	1 079	1 984	42	-1 074	-12	-2 666	-2 026
Q4	-222	-612	-357	623	-346	249	302	-455	-288	-760

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	342 479	279 584	622 063	478 061	172 622	650 683	-135 582	106 962	-28 620
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	83 369	67 885	151 254	117 816	42 382	160 198	-34 447	25 503	-8 944
Q2	85 865	68 528	154 393	118 391	42 851	161 242	-32 526	25 677	-6 849
Q3	87 512	70 768	158 280	120 381	43 087	163 468	-32 869	27 681	-5 188
Q4	85 733	72 403	158 136	121 473	44 302	165 775	-35 740	28 101	-7 639
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	10.7	12.1	9.3	9.4	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	1.4	1.1	1.3	2.2	3.2	2.5			
Q2	3.0	0.9	2.1	0.5	1.1	0.7			
Q3	1.9	3.3	2.5	1.7	0.6	1.4			
Q4	-2.0	2.3	-0.1	0.9	2.8	1.4			
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	19.2	13.1	16.4	15.6	12.2	14.7			
Q2	14.5	10.9	12.9	12.1	10.4	11.6			
Q3	16.8	11.2	14.2	4.9	7.1	5.5			
Q4	4.3	7.8	5.9	5.4	7.9	6.0			

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	306 642	252 496	559 138	439 911	154 715	594 626	-35 488
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 ²	70 446	58 620	129 066	103 159	37 801	140 960	-11 894
Q2 ²	72 763	59 935	132 698	104 574	37 815	142 389	-9 691
Q3 ²	69 168	61 137	130 305	109 814	37 275	147 089	-16 784
Q4 ²	73 860	63 243	137 103	108 137	37 509	145 646	-8 543
2017 Q1	74 715	62 178	136 893	108 912	38 062	146 974	-10 081
Q2	77 519	61 931	139 450	109 469	38 396	147 865	-8 415
Q3	78 470	63 543	142 013	110 986	38 644	149 630	-7 617
Q4	75 938	64 844	140 782	110 544	39 613	150 157	-9 375
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	7.1	3.9	5.7	3.3	2.9	3.2	
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	1.2	-1.7	-0.2	0.7	1.5	0.9	
Q2	3.8	-0.4	1.9	0.5	0.9	0.6	
Q3	1.2	2.6	1.8	1.4	0.6	1.2	
Q4	-3.2	2.0	-0.9	-0.4	2.5	0.4	
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	6.1	6.1	6.1	5.6	0.7	4.3	
Q2	6.5	3.3	5.1	4.7	1.5	3.8	
Q3	13.4	3.9	9.0	1.1	3.7	1.7	
Q4	2.8	2.5	2.7	2.2	5.6	3.1	

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	1 739 602	1 811 810	1 809 406	2 404	107.5	107.4	103.2	103.1	104.2
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	431 789	447 365	448 114	–749	106.2	106.4	102.5	102.7	103.8
Q2	433 582	450 823	450 471	352	107.0	106.9	102.9	102.9	104.0
Q3	436 173	454 884	453 644	1 240	108.0	107.7	103.5	103.3	104.4
Q4	438 058	458 738	457 177	1 561	108.9	108.5	104.0	103.6	104.8
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	2.0	4.1	3.6		4.1	3.6	2.0	1.5	1.8
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	0.4	1.0	0.9		1.0	0.9	0.4	0.2	0.3
Q2	0.4	0.8	0.5		0.8	0.5	0.4	0.2	0.2
Q3	0.6	0.9	0.7		0.9	0.7	0.6	0.4	0.4
Q4	0.4	0.8	0.8		0.8	0.8	0.4	0.4	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	2.0	4.6	4.4		4.6	4.4	2.0	1.8	2.4
Q2	2.1	4.2	3.7		4.2	3.7	2.1	1.6	1.9
Q3	2.2	3.9	3.2		3.9	3.2	2.2	1.5	1.7
Q4	1.8	3.6	2.9		3.6	2.9	1.8	1.2	1.3

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	123	123	1 594
Q2	-2 728	-2 625	-2 255
Q3	542	525	-738
Q4	2 063	1 977	1 399

N Selected financial year variables 1,2

£ millions except deflator index which is 2016/17 = 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	95.8034
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	97.1922
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	97.8476
2016/17	1 985 030	1 986 101	1 769 782	371 255	51 689	1 935 300	1 722 517	364 781	51 086	100.0000
Seasonally adjusted										
2014 Q3	463 142	458 640	413 976	90 695	12 719	463 201	412 967	90 476	12 921	97.4860
Q4	463 704	468 248	413 368	89 828	12 984	466 727	417 178	90 046	12 998	96.8669
2015 Q1	466 329	468 762	416 592	89 873	13 043	468 326	418 359	90 011	12 887	97.0827
Q2	473 601	467 433	422 710	90 743	12 928	471 018	420 702	90 592	13 159	98.0331
Q3	473 571	470 754	422 126	91 264	12 342	472 980	421 478	90 892	12 339	97.6202
Q4	475 236	481 788	423 509	90 182	11 975	476 413	424 398	90 567	11 902	97.2575
2016 Q1	482 226	482 306	429 506	91 666	11 938	477 421	425 058	91 441	11 852	98.4797
Q2	487 939	484 790	434 961	92 300	13 142	479 693	426 991	91 209	13 102	99.1744
Q3	493 386	491 428	440 259	92 608	13 311	482 288	429 251	91 224	13 129	99.7420
Q4	499 760	504 787	445 100	93 086	13 281	485 897	432 458	91 238	12 844	100.2801
2017 Q1	503 945	505 096	449 462	93 261	11 955	487 422	433 817	91 110	12 011	100.8035
Q2	506 852	505 346	452 206	93 997	14 266	488 624	434 915	91 403	13 652	101.1356
Q3	511 649	508 125	455 695	93 668	13 532	490 876	436 951	91 337	13 292	101.6244
Q4	515 192	519 071	459 370	94 178	14 553	492 785	438 663	91 747	13 910	101.9317
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	5.1	2.0	1.8	0.4	3.7	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	0.1	1.0	0.2	-10.0	0.3	0.3	-0.1	-6.5	0.5
Q2	0.6	-	0.6	0.8	19.3	0.2	0.3	0.3	13.7	0.3
Q3	0.9	0.5	0.8	-0.4	-5.1	0.5	0.5	-0.1	-2.6	0.5
Q4	0.7	2.2	0.8	0.5	7.5	0.4	0.4	0.4	4.6	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	4.7	4.6	1.7	0.1	2.1	2.1	-0.4	1.3	2.4
Q2	3.9	4.2	4.0	1.8	8.6	1.9	1.9	0.2	4.2	2.0
Q3	3.7	3.4	3.5	1.1	1.7	1.8	1.8	0.1	1.2	1.9
Q4	3.1	2.8	3.2	1.2	9.6	1.4	1.4	0.6	8.3	1.6

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 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

2016 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2014	96.4875	95.7391	95.7094
2015	96.5657	96.1771	96.0169
2016	98.1126	98.0718	98.0337
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2014 Q3	96.8379	96.1649	96.2517
Q4	96.2512	95.5542	95.1402
2015 Q1	96.1782	95.7670	95.6116
Q2	97.2461	96.7046	96.4754
Q3	96.8107	96.2973	96.1647
Q4	96.0277	95.9395	95.8160
2016 Q1	97.0882	97.1451	97.0219
Q2	97.7807	97.8305	97.8093
Q3	98.6223	98.3903	98.4795
Q4	98.9594	98.9212	98.8240
2017 Q1	99.5481	99.4374	99.4799
Q2	99.7990	99.7650	99.8345
Q3	100.1155	100.2472	100.1360
Q4	100.5375	100.5503	100.5496
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	1.9	2.0	2.0
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	0.6	0.5	0.7
Q2	0.3	0.3	0.4
Q3	0.3	0.5	0.3
Q4	0.4	0.3	0.4
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	2.5	2.4	2.5
Q2	2.1	2.0	2.1
Q3	1.5	1.9	1.7
Q4	1.6	1.6	1.7

1 Implied deflator is expressed in terms of 2016 = 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	2 037 638	30 849	1 959 707	29 670
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	503 945	7 641	487 422	7 391
Q2	66 051	506 852	7 674	488 624	7 398
Q3	66 155	511 649	7 734	490 876	7 420
Q4	66 258	515 192	7 776	492 785	7 437
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	3.2	1.8	1.2
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	0.7	0.3	0.2
Q2		0.6	0.4	0.2	0.1
Q3		0.9	0.8	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	3.8	2.1	1.4
Q2		3.9	3.2	1.9	1.2
Q3		3.7	3.1	1.8	1.2
Q4		3.1	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 The UK resident population mid-year estimates used in this publication are those published on 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

		2013	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	-	-	-	-	-1 076
less Basic price adjustment	KB7E	-	-	-	-	116
Gross value added at basic prices	KB7F	-	-	-	-	-1 192
Gross domestic product:						
expenditure at current prices (Table C1)						
National expenditure on goods and services						
at market prices						
Households	KB7K	-	-	-	-	-1 260
Non-profit institutions serving households	KB7L	-	-	-	-	12
General government	KB7M	-	-	-	-	-105
Gross fixed capital formation	KB7N	-	-	-	-	684
Changes in inventories	KB7O	-	-	-	-	-2 741
Acquisitions less disposals of valuables	KB7P	-	-	-	-	-1 830
Total	KB7Q	-	-	-	-	-5 240
Total exports	KB7R	-	-	-	-	4 831
Total imports	KB7S	-	-	-	-	-206
Statistical discrepancy (expenditure)	KB7T	-	-	-	-	-873
Gross domestic product:						
income at current prices (Table D)						
Compensation of employees	KB7U	-	-	-	-	-194
Gross operating surplus of corporations	KB7V	-	-	-	-	2 072
Other income	KB7W	-	-	-	-	-1 257
Gross value added at factor cost	KB7X	-	-	-	-	621
Taxes on products & production less Subsidies	KB7Y	-	-	-	-	-411
Statistical discrepancy (income)	KB7Z	-	-	-	-	-1 286

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

		2013	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	-	-	-	-	-0.4
Manufacturing	KB85	-	-	-	-	-0.3
Electricity, gas, steam and air	KB86	-	-	-	-	0.3
Water supply, sewerage	KNT7	-	-	-	-	-0.5
Total Production	KB87	-	-	-	-	-0.2
Construction	KB88	-	-	-	-	0.6
Distribution, hotels and restaurants	KB89	-	-	-	-	0.1
Transport storage and communications	KB8A	-	-	-	-	-0.1
Business services and finance	KB8B	-	-	-	-	-0.1
Government and other services	KB8C	-	-	-	-	-0.1
Total services	KB8D	-	-	-	-	-0.1
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	-	-	-	-	-0.1
Non-profit institutions serving households	KB8H	-	-	-	-	-
General government	KB8I	-	-	-	-	-0.2
Gross fixed capital formation	KB8J	-	-	-	-	0.1
Total	KB8K	-	-	-	-	-0.1
Total exports	KB8L	-	-	-	-	0.7
Total imports	KB8M	-	-	-	-	-0.3

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	-	-	-	-	-	-	-	-	-	-	255	-750	-265	-316
less Basic price adjustment	KB7E	-	-	-	-	-	-	-	-	-	-	29	6	-39	120
Gross value added at basic prices	KB7F	-	-	-	-	-	-	-	-	-	-	226	-756	-226	-436
Gross domestic product:															
expenditure at current prices (Table C1)															
National expenditure on goods and services															
at market prices															
Households	KB7K	-	-	-	-	-	-	-	-	-	-	-97	-139	-194	-830
Non-profit institutions serving households	KB7L	-	-	-	-	-	-	-	-	-	-	-1	-3	-4	20
General government	KB7M	-	-	-	-	-	-	-	-	-	-	12	-21	93	-189
Gross fixed capital formation	KB7N	-	-	-	-	-	-	-	-	-	-	-209	523	194	176
Changes in inventories	KB7O	-	-	-	-	-	-	-	-	-	-	254	-929	-1 767	-299
Acquisitions less disposals of valuables	KB7P	-	-	-	-	-	-	-	-	-	-	-44	-48	-46	-1 692
Total	KB7Q	-	-	-	-	-	-	-	-	-	-	-85	-617	-1 724	-2 814
Total exports	KB7R	-	-	-	-	-	-	-	-	-	-	145	126	2 507	2 053
Total imports	KB7S	-	-	-	-	-	-	-	-	-	-	36	221	653	-1 116
Statistical discrepancy (expenditure)	KB7T	-	-	-	-	-	-	-	-	-	-	231	-38	-395	-671
Gross domestic product:															
income at current prices (Table D)															
Compensation of employees	KB7U	-	-	-	-	-	-	-	-	-	-	-336	-427	98	471
Gross operating surplus of corporations	KB7V	-	-	-	-	-	-	-	-	-	-	1 171	474	426	1
Other income	KB7W	-	-	-	-	-	-	-	-	-	-	-276	-437	-390	-154
Gross value added at factor cost	KB7X	-	-	-	-	-	-	-	-	-	-	559	-390	134	318
Taxes on products & production less Subsidies	KB7Y	-	-	-	-	-	-	-	-	-	-	-9	-52	-93	-257
Statistical discrepancy (income)	KB7Z	-	-	-	-	-	-	-	-	-	-	-295	-308	-306	-377

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	-	-
Quarter on same quarter a year earlier	KB94	-	-	-	-	-	-	-	-	-	-	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	-0.2	-0.1
Mining and quarrying inc oil & gas extraction	KB84	-	-	-	-	-	-	-	-	-	-	0.1	-0.1	-0.6	-0.2
Manufacturing	KB85	-	-	-	-	-	-	-	-	-	-	-0.1	-	-0.3	-
Electricity, gas, steam and air	KB86	-	-	-	-	-	-	-	-	-	-	0.4	-	-0.2	0.1
Water supply, sewerage	KNT7	-	-	-	-	-	-	-	-	-	-	0.1	-0.1	-0.7	-0.4
Total Production	KB87	-	-	-	-	-	-	-	-	-	-	-	-	-0.4	-0.1
Construction	KB88	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.7	0.6
Distribution, hotels and restaurants	KB89	-	-	-	-	-	-	-	-	-	-	0.2	-	-	0.1
Transport storage and communications	KB8A	-	-	-	-	-	-	-	-	-	-	0.3	-0.4	-	-
Business services and finance	KB8B	-	-	-	-	-	-	-	-	-	-	-	-	-0.2	-0.3
Government and other services	KB8C	-	-	-	-	-	-	-	-	-	-	-	-	-0.1	-0.1
Total services	KB8D	-	-	-	-	-	-	-	-	-	-	0.1	-0.1	-0.1	-0.2
Total GVA	KB8E	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-
Total GVA excluding Oil	KB8F	-	-	-	-	-	-	-	-	-	-	0.1	-	-0.1	-
Percentage changes in volume of GDP															
expenditure components (Table C2)															
National expenditure on goods and services															
at market prices quarter on quarter growth															
Households	KB8G	-	-	-	-	-	-	-	-	-	-	-	-	-0.1	-
Non-profit institutions serving households	KB8H	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General government	KB8I	-	-	-	-	-	-	-	-	-	-	-	-0.1	-0.1	-0.2
Gross fixed capital formation	KB8J	-	-	-	-	-	-	-	-	-	-	-0.1	0.5	-0.2	-
Total	KB8K	-	-	-	-	-	-	-	-	-	-	0.1	-	-0.4	-0.1
Total exports	KB8L	-	-	-	-	-	-	-	-	-	-	-0.2	0.2	1.6	-0.7
Total imports	KB8M	-	-	-	-	-	-	-	-	-	-	-0.1	0.1	0.2	-1.1



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 & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2015	L3BB 1.2	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	-0.4	1.9	-0.5	2.5	-0.8	2.3	5.7	1.5	1.8	3.5	1.7	0.1
Contributions to growth												
2015	ZZ3V -	ZZ3W 0.2	ZZ3Y 0.1	ZZ3X -	ZZ3Z -	ZZ42 0.1	ZZ43 0.2	ZZ44 2.0	ZZ45 0.6	ZZ46 0.4	ZZ47 0.8	ZZ48 0.2
2016	-	0.2	-	0.1	-	-	0.1	2.0	0.6	0.5	0.7	0.1
2017	-	0.3	-	0.3	-	-	0.4	1.2	0.3	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	-0.8	0.4	2.7	0.5	-3.0	2.1	2.4	0.2	-0.6	-0.3	0.4	0.5
Q2	-0.1	-	0.9	-	0.1	-1.1	-0.4	0.3	0.4	1.1	0.1	-
Q3	1.1	1.0	2.0	1.1	1.5	-1.1	0.4	0.3	0.5	0.3	0.5	-0.2
Q4	-1.0	0.4	-4.9	1.3	-0.4	-0.4	-0.1	0.4	-0.1	1.1	0.6	0.1
Contributions to growth												
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
Q2	-	-	-	-	-	-	-	0.2	0.1	0.1	-	-
Q3	-	0.1	-	0.1	-	-	-	0.2	0.1	-	0.2	-0.1
Q4	-	0.1	-0.1	0.1	-	-	-	0.3	-	0.1	0.2	-
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	-1.3	2.8	1.3	2.9	1.2	6.4	8.6	1.9	3.0	4.3	2.0	-0.2
Q2	-0.4	0.6	-0.2	1.3	-4.1	2.5	6.5	1.8	2.5	5.0	1.6	0.1
Q3	0.9	2.2	-3.3	3.1	1.7	1.1	5.6	1.3	1.8	2.5	1.6	-0.1
Q4	-0.8	1.9	0.6	2.9	-1.7	-0.5	2.3	1.1	0.2	2.1	1.7	0.4
Contributions to growth												
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	1.5	0.4	0.5	0.6	-
Q2	-	0.1	-	0.1	-0.1	-	0.4	1.4	0.3	0.5	0.5	-
Q3	-	0.3	-	0.3	-	-	0.3	1.0	0.2	0.3	0.5	-
Q4	-	0.3	-	0.3	-	-	0.1	0.9	-	0.2	0.6	0.1

1 Estimates are accurate to 1 decimal place

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

AB Annex B - Growth and contributions to growth - expenditure components of GDP^{1,2}

Chained Volume Measures

Seasonally adjusted data

Reference year 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	1.7	-	0.1	1.6	4.0	2.4	5.7	3.2	
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	-	-	0.3	0.7	0.2	1.6	1.0	0.6
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	2.8	0.7	0.3	-0.2	0.9	
Q2	0.3	0.2	0.3	-1.1	1.7	1.2	1.9	0.6	
Q3	0.3	-	-0.1	1.4	0.5	0.8	1.8	1.2	
Q4	0.3	-0.1	0.4	3.2	1.1	0.3	-0.9	0.4	
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	-	-	0.5	0.1	-	-	0.3	-0.3
Q2	0.2	-	0.1	-0.2	0.3	0.1	0.5	0.2	0.4
Q3	0.2	-	-	0.2	0.1	0.1	0.5	0.4	0.2
Q4	0.2	-	0.1	0.5	0.2	-	-0.3	0.1	-0.4
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	-0.2	-0.4	0.3	4.5	2.2	6.1	4.3	
Q2	1.8	-	0.2	3.7	4.2	2.7	5.1	3.8	
Q3	1.3	0.1	0.1	-3.4	3.6	2.2	9.0	1.7	
Q4	1.2	0.1	0.6	6.4	4.0	2.6	2.7	3.1	
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	-	-	0.6	0.7	0.3	1.4	1.2	0.3
Q3	0.8	-	-	-0.6	0.6	0.2	2.5	0.5	2.0
Q4	0.8	-	0.1	1.1	0.7	0.2	0.8	0.9	-0.2

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	4.0	2.0	2.8
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	0.8	0.3	0.3
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	1.0	2.2	-0.2	-1.3
Q2	1.0	-1.5	0.9	1.7
Q3	0.8	1.1	0.3	1.8
Q4	0.7	0.9	1.2	-0.6
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	0.3	-0.8	0.4	0.1
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	0.5	0.5	-	-0.2
Q2	0.5	-0.3	0.2	0.2
Q3	0.4	0.2	-	0.2
Q4	0.3	0.2	0.2	-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	5.6	3.7	2.9	2.2
Q2	4.0	4.9	1.7	2.7
Q3	3.4	4.7	1.3	4.5
Q4	3.5	2.7	2.2	1.6
Contributions to growth³				
	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	2.7	0.8	0.5	0.3
Q2	2.0	1.0	0.3	0.3
Q3	1.7	1.0	0.2	0.5
Q4	1.7	0.6	0.4	0.2

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	2.0	0.9	1.3	2.4	2.0	6.1	5.9	
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	0.6	0.3	1.4	1.5	
Q2	0.2	0.4	0.5	0.3	1.0	0.2	-	
Q3	0.3	0.3	-0.3	1.0	1.0	0.7	0.2	
Q4	0.6	0.2	0.1	-	0.1	0.8	1.1	
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	2.3	0.6	2.1	4.1	1.0	9.7	10.0	
Q2	2.1	0.7	1.6	2.7	2.0	7.4	7.5	
Q3	1.9	1.2	1.0	0.8	2.6	4.8	3.7	
Q4	1.8	1.2	0.6	1.9	2.4	3.1	2.9	

1 Estimates are 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 & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage change, latest year on previous year												
Current 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	-0.4	1.9	-0.5	2.5	-0.8	2.3	5.7	1.5	1.8	3.5	1.7	0.1
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	-0.8	2.1	-0.1	2.8	-1.1	2.8	5.1	1.6	1.7	3.6	1.8	0.2
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
2017	0.4	-0.2	-0.4	-0.3	0.3	-0.5	0.6	-0.1	0.1	-0.1	-0.1	-0.1
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	-0.8	0.4	2.7	0.5	-3.0	2.1	2.4	0.2	-0.6	-0.3	0.4	0.5
Q2	-0.1	-	0.9	-	0.1	-1.1	-0.4	0.3	0.4	1.1	0.1	-
Q3	1.1	1.0	2.0	1.1	1.5	-1.1	0.4	0.3	0.5	0.3	0.5	-0.2
Q4	-1.0	0.4	-4.9	1.3	-0.4	-0.4	-0.1	0.4	-0.1	1.1	0.6	0.1
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	-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
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	-	0.1	-0.1	0.4	0.1	0.1	0.1	0.2	0.3	-	-
Q2	0.4	-	-0.1	-	-	-0.1	0.1	-0.1	-	-0.4	-	-0.1
Q3	-0.2	-0.4	-0.6	-0.3	-0.2	-0.7	0.7	-0.1	-	-	-0.2	-0.1
Q4	-0.1	-0.1	-0.2	-	0.1	-0.4	0.6	-0.2	0.1	-	-0.3	-0.1

1 Estimates are accurate to 1 decimal place

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

3 Current estimate refers to the estimates released within this publication (Quarterly National Accounts)

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

continued

Seasonally adjusted data

Reference year 2015

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Const- ruction	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage growths, latest quarter on corresponding quarter of previous year												
Current 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	-1.3	2.8	1.3	2.9	1.2	6.4	8.6	1.9	3.0	4.3	2.0	-0.2
Q2	-0.4	0.6	-0.2	1.3	-4.1	2.5	6.5	1.8	2.5	5.0	1.6	0.1
Q3	0.9	2.2	-3.3	3.1	1.7	1.1	5.6	1.3	1.8	2.5	1.6	-0.1
Q4	-0.8	1.9	0.6	2.9	-1.7	-0.5	2.3	1.1	0.2	2.1	1.7	0.4
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	-1.5	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
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	-	0.1	-	0.4	0.1	-	0.1	0.2	0.2	0.1	-
Q2	0.6	-0.1	-	-0.2	0.4	-	0.1	-	0.1	-0.2	0.1	-0.1
Q3	0.4	-0.4	-0.6	-0.5	0.2	-0.7	0.8	-0.1	0.1	-0.2	-0.1	-0.2
Q4	0.3	-0.4	-0.8	-0.5	0.4	-1.1	1.4	-0.3	0.3	-0.2	-0.5	-0.3

1 Estimates are accurate to 1 decimal place

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

3 Current estimate refers to the estimates released within this publication
(Quarterly National Accounts)

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

Seasonally adjusted data

Reference year 2015

Final consumption expenditure								
	House-holds	Non-prof-it 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
2017	1.7	-	0.1	1.6	4.0	2.4	5.7	3.2
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
2017	1.8	-	0.3	2.3	3.9	2.2	5.0	3.5
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2015	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-
2017	-0.1	-	-0.2	-0.7	0.1	0.2	0.7	-0.3
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	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	2.8	0.7	0.3	-0.2	0.9
Q2	0.3	0.2	0.3	-1.1	1.7	1.2	1.9	0.6
Q3	0.3	-	-0.1	1.4	0.5	0.8	1.8	1.2
Q4	0.3	-0.1	0.4	3.2	1.1	0.3	-0.9	0.4
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
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
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2015 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	-	-	-	0.3	-0.1	-0.4	-0.2	-0.1
Q2	-	-	-0.1	0.2	0.5	0.7	0.2	0.1
Q3	-0.1	-	-0.1	-1.9	-0.2	-0.1	1.6	0.2
Q4	-	-	-0.2	-0.2	-	0.3	-0.7	-1.1

1 Estimates are accurate to 1 decimal place

2 Previous estimates refer to estimates from the Second Estimate of GDP

3 Non-profit institutions serving households

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

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 estimates³								
	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	-0.2	-0.4	0.3	4.5	2.2	6.1	4.3
Q2	1.8	-	0.2	3.7	4.2	2.7	5.1	3.8
Q3	1.3	0.1	0.1	-3.4	3.6	2.2	9.0	1.7
Q4	1.2	0.1	0.6	6.4	4.0	2.6	2.7	3.1
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
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
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2015 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2017 Q1	-	0.1	-0.1	0.3	-0.1	-0.4	-0.1	-0.1
Q2	-	-	-0.1	0.4	0.4	0.4	-	-0.1
Q3	-	-	-0.2	-1.4	0.2	0.3	1.8	0.1
Q4	-0.2	-	-0.3	-1.8	0.2	0.5	1.0	-1.1

1 Estimates are accurate to 1 decimal place

2 Previous estimates refer to the estimates from the Second Estimate of GDP

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

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

Seasonally adjusted data

	Compen- sation 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
2017	4.1	4.0	2.0	2.8
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
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
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2015	-	-	-	-
2016	-	-	-	-
2017	-	0.5	-0.4	-0.1
Percentage change, latest quarter on previous quarter				
Current estimates³				
	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	1.0	2.2	-0.2	-1.3
Q2	1.0	-1.5	0.9	1.7
Q3	0.8	1.1	0.3	1.8
Q4	0.7	0.9	1.2	-0.6
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
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
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2015 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	-0.1	1.1	-0.4	-
Q2	-	-0.6	-0.2	-0.1
Q3	0.2	-	0.1	-0.1
Q4	0.2	-0.4	0.3	-0.3

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

2 Previous estimates refer to estimates from the Second Estimate of GDP

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

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

continued Seasonally adjusted data

	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				
	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	5.6	3.7	2.9	2.2
Q2	4.0	4.9	1.7	2.7
Q3	3.4	4.7	1.3	4.5
Q4	3.5	2.7	2.2	1.6
Previous estimates²				
	A2CP	A2CQ	A2CR	A2CS
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
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2015 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2016 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2017 Q1	-0.1	1.1	-0.3	-0.1
Q2	-0.2	0.5	-0.5	-0.1
Q3	-	0.4	-0.5	-0.1
Q4	0.2	-	-0.2	-0.5

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

2 Previous estimates refer to estimates from the Second Estimate of GDP

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