

Statistical bulletin

Quarterly national accounts: January to March 2018

A detailed breakdown of the components of GDP including the third estimate of quarterly GDP.



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Next release:
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Notice

29 June 2018

During the final quality assurance of the Blue Book 2018 consistent Quarterly National Accounts dataset an error was discovered in the General Government Final Consumption Expenditure (GGFCE) chained volume measure (CVM).

The error affects 2005 data, increasing annual GGFCE growth by around 1.7 percentage points from 2.3% to 4.0%. GGFCE in current prices is unaffected.

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

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

29 June 2018

ONS has identified that the index values and growth rates for the Business Services and Finance sector within the Quarterly National Accounts publication are incorrect. The series are included in tables B1, R, AA and AE and in section 5 of the statistical bulletin.

The error does not impact any top-level data, so there is no impact on either GDP or Index of Services. We are working to resolve the error and will re-publish updated index values and growth rates as soon as possible.

ONS apologises for any inconvenience this may have caused.

Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [GDP grew by 0.2% in Quarter 1 2018](#)
4. [The 2017 annual picture](#)
5. [Services contribute most to the output approach of GDP in Quarter 1 2018](#)
6. [Household spending continues to slow in the first quarter of 2018](#)
7. [Compensation of employees drives growth in the income approach to measuring GDP](#)
8. [Revisions to GDP](#)
9. [How is the UK economy performing compared with other European and non-European countries?](#)
10. [Links to related statistics](#)
11. [Are there any upcoming changes?](#)
12. [Quality and methodology](#)

1 . Main points

- UK gross domestic product (GDP) in volume terms was estimated to have increased by 0.2% between Quarter 4 (Oct to Dec) 2017 and Quarter 1 (Jan to Mar) 2018; the 0.1 percentage points upward revision since the second estimate reflects improvements to the measurement of construction output.
- The services industries increased by 0.3% in Quarter 1 2018, continuing to show a weakening in domestic consumer-facing activities; while construction decreased by 0.8%.
- Household spending grew by 0.2%, while business investment decreased by 0.4% between Quarter 4 2017 and Quarter 1 2018.
- GDP was estimated to have increased by 1.7% between 2016 and 2017, a downward revision of 0.1 percentage points from the second estimate; this was slightly lower than the 1.8% growth seen between 2015 and 2016.
- Estimates in this bulletin are consistent with our annual UK National Accounts, The Blue Book 2018 publication, to be published on 31 July 2018.

2 . Things you need to know about this release

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

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](#).

Blue Book 2018

This release contains data that are consistent with the UK National Accounts, The Blue Book 2018, which will be released on 31 July 2018. The Blue Book is the UK's annual compendium of national accounts data and incorporates a number of improvements to methods and sources into the UK's National Accounts. Changes have been made in line with international standards adopted by all European Union (EU) member states and with worldwide best practice. These, and additional improvements we are making, will ensure that our national accounts continue to provide the best possible framework for analysing the UK economy and comparing it with other countries.

We have published a number of articles detailing [these changes and their impact on the national accounts](#). The main changes are to:

- net spread earnings
- gross fixed capital formation (GFCF) other machinery and equipment
- pensions
- [trade in goods processing systems](#)
- Motor Vehicle Duty
- Rail for London
- [alignment of UK National Accounts and public sector finances statistics](#)

Further detail on these changes is available in the [Revisions to GDP](#) section.

Reference and base year

Estimates in this bulletin are consistent with our annual UK National Accounts, The Blue Book 2018 publication, to be published on 31 July 2018. In line with usual practice, the last base year and reference year for the chained volume estimates have moved forward one year from 2015 to 2016.

3 . GDP grew by 0.2% in Quarter 1 2018

UK gross domestic product (GDP) increased by 0.2% between Quarter 4 (Oct to Dec) 2017 and Quarter 1 (Jan to Mar) 2018, revised upwards by 0.1 percentage points from the [second estimate of GDP](#).

In this release all periods are open for revision. Figures for 2016 have been through the annual supply and use balancing process for the first time. Estimates for the “quarterly tail” (2017 onwards) have also been open to revision based on new data and the improved methodology.

There were small revisions to quarter-on-quarter GDP growth in Quarter 1 2017, Quarter 3 (July to Sept) 2017 and Quarter 1 2018. Upward revisions to quarterly growth in both Quarter 1 2017 and Quarter 1 2018 came from the output approach to GDP, whereas the downward revision to growth in Quarter 3 2017 came from downward revisions to both the expenditure and income measures.

Table 1 shows GDP and the headline economic indicators from 2016 onwards.

Table 1: Headline economic indicators and GDP per head for the UK, Quarter 1 (Jan to Mar) 2016 to Quarter 1 2018

						% growth ¹
Chained volume measures				Current market prices		
	GDP	Household expenditure	Gross fixed capital formation	GDP per head	GDP	Compensation of employees
Seasonally adjusted						
2016	1.8	3.2	2.3	1.0	3.9	3.8
2017	1.7	1.9	3.4	1.1	3.6	4.1
Q1 2016	0.3	1.1	0.0	0.1	1.6	-0.8
Q2 2016	0.2	0.8	1.6	0.0	0.9	3.0
Q3 2016	0.5	1.2	1.5	0.3	0.9	1.9
Q4 2016	0.7	0.0	-0.6	0.6	1.5	-0.2
Q1 2017	0.4	0.6	1.1	0.2	1.0	0.9
Q2 2017	0.2	0.4	1.6	0.1	0.4	1.1
Q3 2017	0.4	0.3	0.4	0.2	0.5	0.9
Q4 2017	0.4	0.3	0.8	0.2	0.9	1.1
Q1 2018	0.2	0.2	-1.3	0.1	0.8	1.1

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. Population data are consistent with the 28 June 2018 published estimates.

Figure 1 shows the seasonally adjusted level of GDP along with quarterly growths. The growth between Quarter 4 2017 and Quarter 1 2018 is the 21st consecutive quarterly increase and continues the UK's pattern of growth since Quarter 1 2013.

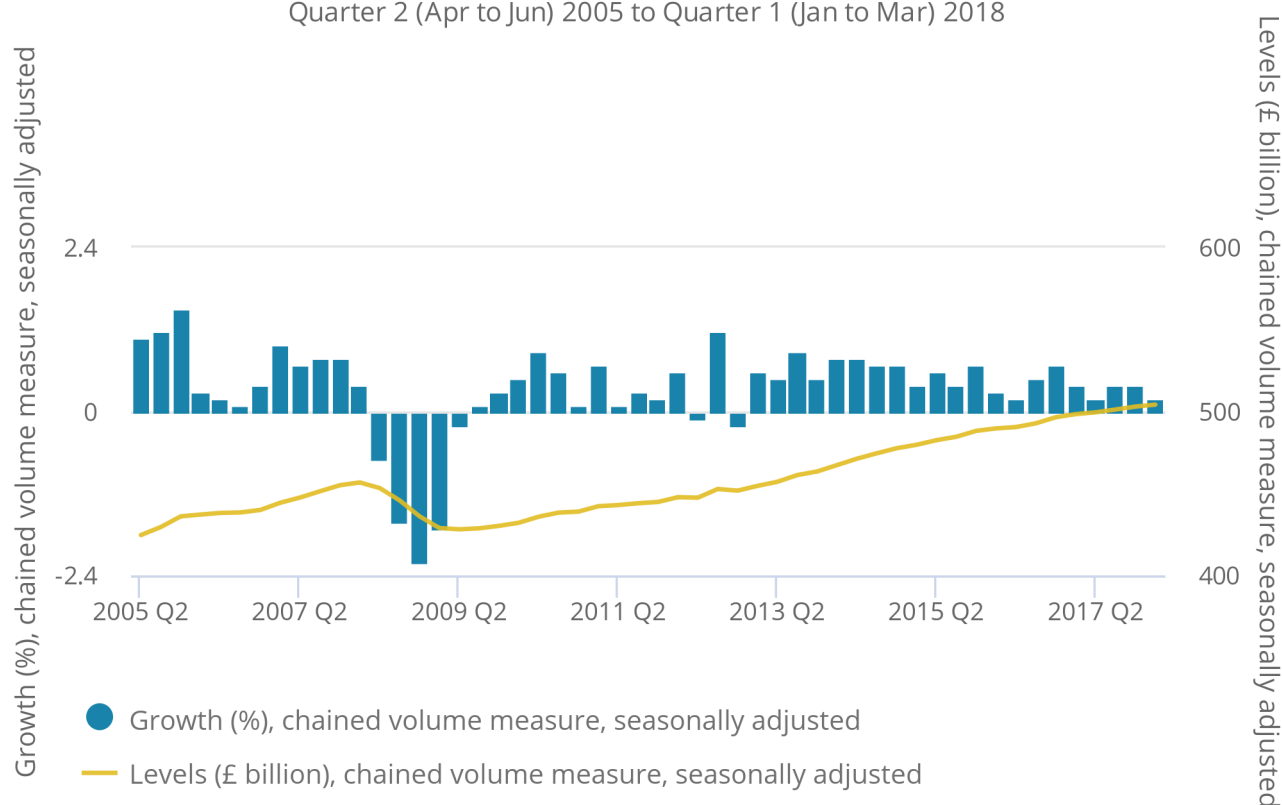
Growth in UK GDP is now 10.4% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed it in Quarter 2 (Apr to June) 2013.

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

Quarter 2 (Apr to Jun) 2005 to Quarter 1 (Jan to Mar) 2018

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

Quarter 2 (Apr to Jun) 2005 to Quarter 1 (Jan to Mar) 2018



Source: Office for National Statistics

Notes:

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

When looking at UK GDP growth in volume terms in the current quarter (Quarter 1 2018) compared with the same quarter a year ago (Quarter 1 2017), GDP increased by 1.2%, unrevised from the [second estimate of GDP](#). This is the slowest rate of growth since Quarter 2 2012 and continues the slowdown in growth through 2017 and into early 2018.

Implied deflator

The GDP implied deflator at market prices for Quarter 1 2018 is 1.6% above the same quarter of 2017. The GDP implied deflator represents price changes in the domestic production of goods and services and 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

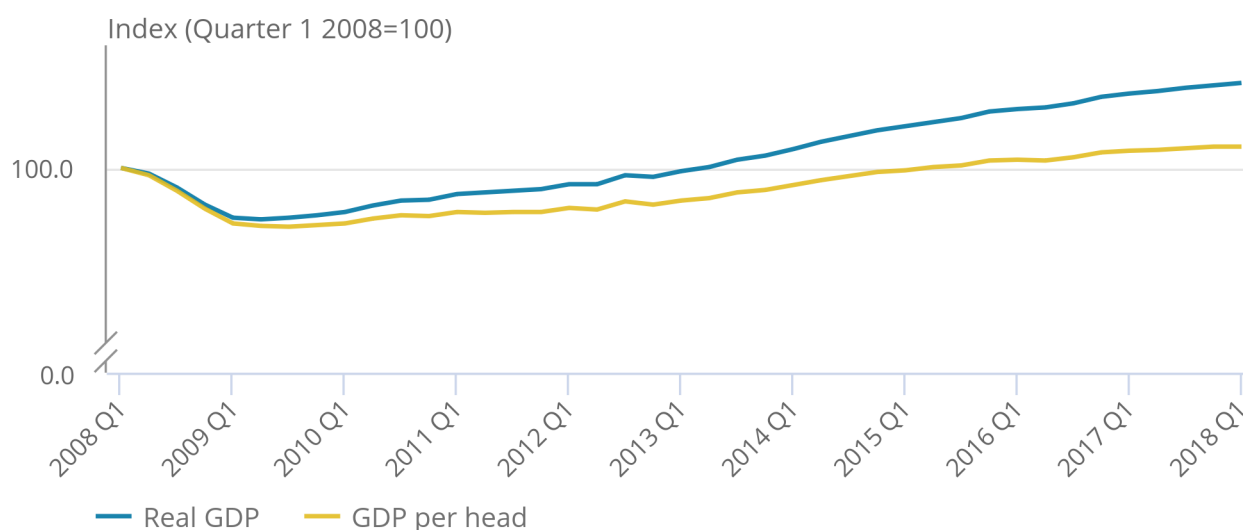
In Quarter 1 2018, GDP per head grew by 0.1% compared with Quarter 4 2017. GDP per head is now 2.6% above the GDP pre-economic downturn peak in Quarter 1 2008, having surpassed this peak in Quarter 2 2015 (Figure 2).

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

Quarter 1 (Jan to Mar) 2008 to Quarter 1 2018

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

Quarter 1 (Jan to Mar) 2008 to Quarter 1 2018



Source: Office for National Statistics

Notes:

1. Q1 refers to Jan to Mar, Q2 refers to Apr to June, Q3 refers to 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 28 June 2018 and the [population projections](#) used are those published on 26 October 2017.

4 . The 2017 annual picture

UK gross domestic product (GDP) grew by 1.7% between 2016 and 2017, revised downwards by 0.1 percentage points from the [second estimate of GDP](#) published on 25 May 2018. The 2017 annual picture shows a slight slowdown in growth when compared with the 1.8% growth between 2015 and 2016, and is the slowest rate of annual growth since 2012, when growth was 1.4%.

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 how GDP is balanced.

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 measures¹	1.8	1.7
Output		
Agriculture	0.0	0.0
Production	0.1	0.3
Construction	0.2	0.4
Services	1.5	1.4
Expenditure		
Households	2.0	1.2
Non-profit institutions serving households	0.0	0.0
General government	0.1	0.0
Gross capital formation	0.3	0.1
Net trade	-0.7	0.6
Average GDP in current prices¹	3.9	3.6
Income		
Compensation of employees	1.8	2.0
Gross operating surplus of corporations	1.0	0.7
Other income	0.6	0.2
Taxes on products & production less subsidies	0.5	0.3

Source: Office for National Statistics

Notes:

1. Percentage change on previous year.

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

5 . Services contribute most to the output approach of GDP in Quarter 1 2018

The output approach to measuring gross domestic product (GDP) involves estimating production activity within the UK economy. It increased by 0.2% between Quarter 4 (Oct to Dec) 2017 and Quarter 1 (Jan to Mar) 2018. This was revised upwards by 0.1 percentage points from the [second estimate of GDP](#), mostly as a result of improvements to the measurement of construction data, which are discussed in the [Revisions to GDP section](#).

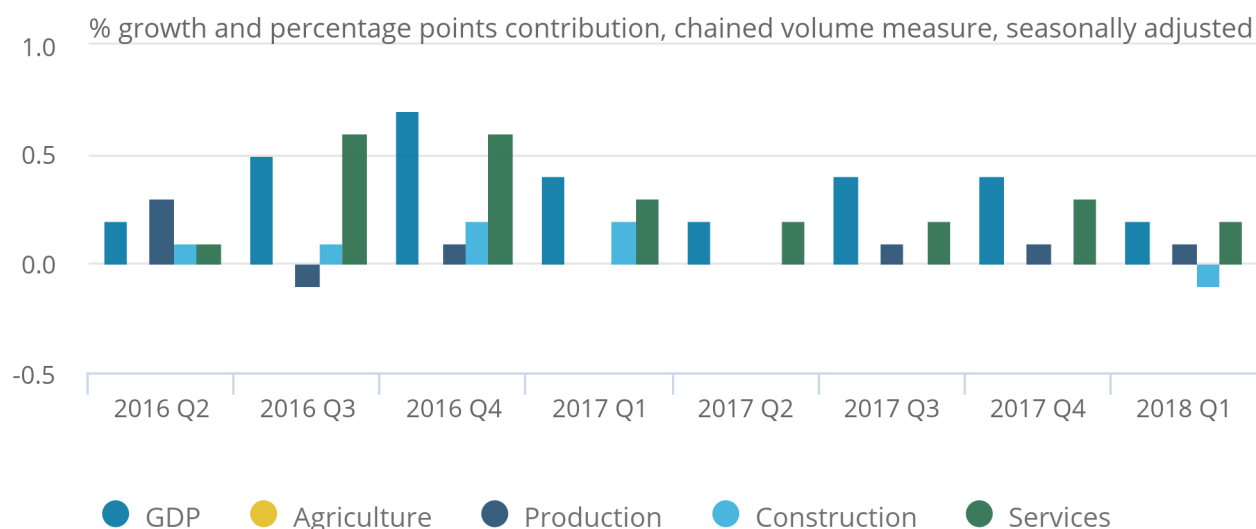
Figure 3 shows the contributions to GDP growth from the sectors of output since Quarter 2 (Apr to June) 2016. In Quarter 1 2018, the services industries made the largest contribution to GDP growth, followed by production. Agriculture, the smallest component within the output approach of GDP made no contribution to growth to one decimal place, while construction deducted from GDP growth.

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018



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

Value Added Tax (VAT) turnover data for October to December and revisions for earlier periods have been incorporated into the compilation of the output approach to GDP estimates. More information can be found in the [Revisions to GDP](#) section.

Services

The largest component within the output approach of GDP is the services sector, which increased by 0.3% overall in the first quarter of 2018, unrevised from the [second estimate of GDP](#). Positive growth was recorded within all of the four sub-sectors of the services industries between Quarter 4 2017 and Quarter 1 2018, the previous estimates are shown in brackets:

- business services and finance increased by 0.6% (revised up by 0.2 percentage points from 0.4%)
- government and other services increased by 0.3% (revised up by 0.2 percentage points from 0.1%)
- distribution, hotels and restaurants increased by 0.1% (revised up by 0.2 percentage points from negative 0.1%)
- transport, storage and communication increased by 0.1% (revised down by 0.3 percentage points from 0.2%)

While services continued to grow in the most recent quarter, the quarter on same quarter a year ago growth continues to show weakening in growth in this part of the economy. This is particularly seen in the more domestic consumer-facing industries such as retail trade, food and beverage-serving activities, and arts, entertainment and recreation.

Further detail on the services industries' lower-level components and estimates for April 2018 can be found in the [Index of Services statistical bulletin](#).

Production

Production output was estimated to have increased by 0.4% between Quarter 4 2017 and Quarter 1 2018, revised down by 0.2 percentage points from the [second estimate of GDP](#). Within production, three of the four sub-sectors increased in this period, the previous estimates are shown in brackets:

- mining and quarrying increased by 2.5% (revised up by 0.3 percentage points from 2.2%)
- water supply industries increased by 1.7% (revised up by 2.7 percentage points from negative 1.0%)
- electricity, gas, steam and air conditioning increased by 1.4% (revised down by 1.1 percentage points from 2.5%)
- manufacturing decreased by 0.1% (revised down by 0.3 percentage points from 0.2%)

The increase in mining and quarrying was due largely to the recovery from the fall in oil and gas production in Quarter 4 2017. The Forties pipeline system (FPS), which closed for several days in the final quarter of 2017, returned to normal operating capacity in Quarter 1 2018.

Strength in the electricity, gas, steam and air conditioning industry can be attributed to below-average temperatures in February and March 2018.

Construction

Construction output was estimated to have decreased by 0.8% in Quarter 1 2018, revised upwards from negative 2.7% in the [second estimate of GDP](#). This is the weakest growth since Quarter 3 (July to Sept) 2012. While there is some evidence of an impact from the bad weather on this industry, our initial analysis shows weakness in construction throughout the quarter, not just the period during the bad weather. More information relating to the revisions to estimates of construction output can be found in the [Revisions to GDP](#) section.

Agriculture

Agriculture, the sector that makes up the smallest proportion of total output, decreased by 1.5% into Quarter 1 2018, revised down by 0.1 percentage points from the [second estimate of GDP](#). This revision is due to the inclusion of updated annual data from the Department for Environment, Food and Rural Affairs (Defra).

6 . Household spending continues to slow in the first quarter of 2018

The expenditure approach to measuring gross domestic product (GDP) increased by 0.2% between Quarter 4 (Oct to Dec) 2017 and Quarter 1 (Jan to Mar) 2018, revised upwards by 0.1 percentage points from the [second estimate of GDP](#). 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.

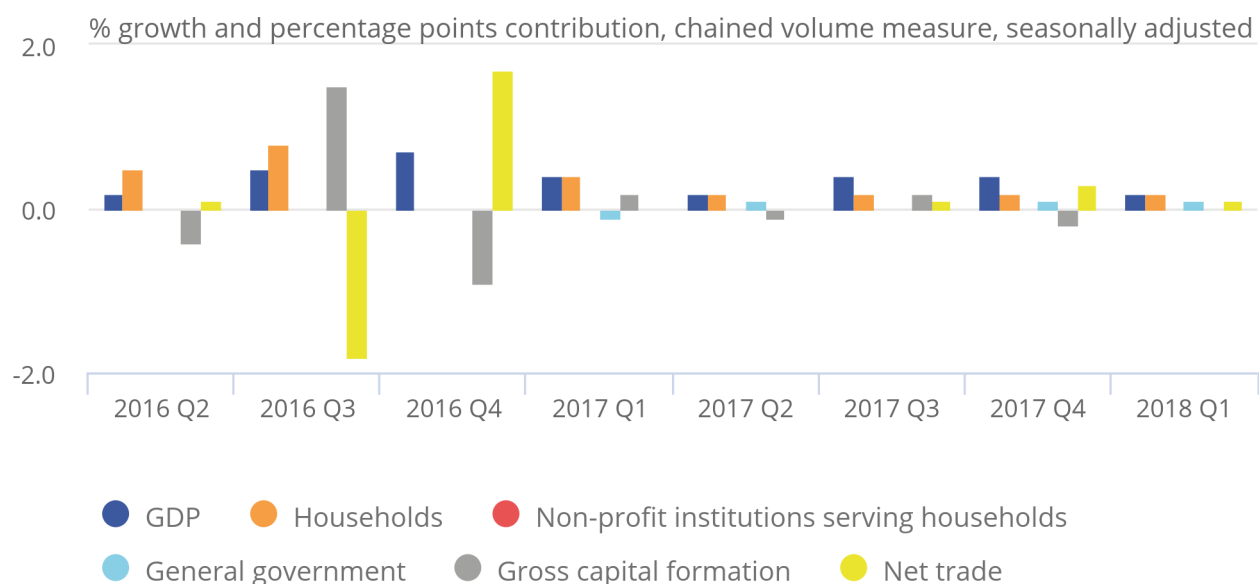
Figure 4 shows the quarterly contribution of the expenditure components to the growth of GDP in chained volume measures from Quarter 2 2016 to Quarter 1 2018. In the latest quarter, household spending, government spending and net trade all contributed positively to GDP growth, while gross capital formation (which includes GFCF, inventories and valuables) made no contribution to growth to one decimal place.

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018



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

Household final consumption expenditure (HHFCE)

HHFCE, or household spending, grew by 0.2% between Quarter 4 2017 and Quarter 1 2018, unrevised from the [second estimate of GDP](#).

We continue to see a slowdown in household expenditure through the quarters of 2017 and into 2018. The quarter on same quarter a year ago growth is 1.2%, the lowest rate since Quarter 1 2012. Further information can be found in the [Consumer trends release](#).

General government final consumption expenditure (GGFCE)

GGFCE, or government expenditure, increased by 0.4% between Quarter 4 2017 and Quarter 1 2018, revised downwards slightly from 0.5% in the [second estimate of GDP](#). The largest contributor to the increase in this quarter was spending on public administration.

Gross fixed capital formation (GFCF)

In Quarter 1 2018, GFCF decreased by 1.3% compared with Quarter 4 2017. This is revised downwards from an increase of 0.9% in the [second estimate of GDP](#), this revision in part reflects changes made as part of the annual Blue Book 2018 round, which are discussed in the [Revisions to GDP](#) section. The revision was due mainly to the incorporation of updated information from central government departments and improved local government estimates. Including this data led to a downward revision to total GFCF, in particular the other buildings and structures asset.

Business investment, which makes up the largest proportion of total GFCF, decreased by 0.4% in Quarter 1 2018, revised downwards by 0.2 percentage points from the [second estimate of GDP](#). Further details of the asset and sector breakdown of GFCF can be found within the [Business investment release](#).

Trade in goods and services

In Quarter 1 2018, the trade deficit narrowed slightly to £3,174 million in volume terms, from £3,495 million in Quarter 4 2017.

Total trade imports decreased by 0.2% (revised upwards from a decrease of 0.6%) whilst total exports was flat (revised upwards from a decrease of 0.5%), between Quarter 4 2017 and Quarter 1 2018. Decreases in imports in nominal terms were larger than decreases in volume terms, which may be linked to movements in the sterling exchange rate seen in Quarter 1 2018.

Revisions to trade in goods estimates in the quarterly tail are due mostly to the introduction of new trade processing systems. Revisions to trade in services are due mostly to taking on improved net spread earnings data and earlier estimates having been through the supply and use balancing process. These changes are discussed in more detail in the [Revisions to GDP](#) section.

Users should be aware that a number of adjustments have been applied to the trade in services component in Quarter 1 and Quarter 2 2017 to help balance the different measurement approaches to GDP. The estimates should be considered accordingly. Please see the [Quality and methodology section](#) for further information about the balancing adjustments applied to this dataset.

The trade in goods figures in this release are consistent with the monthly [UK trade release](#) published on 11 June 2018.

7 . Compensation of employees drives growth in the income approach to measuring GDP

Nominal gross domestic product (GDP), or GDP not adjusted to take account of inflation, increased by 0.8% between Quarter 4 (Oct to Dec) 2017 and Quarter 1 (Jan to Mar) 2018. Nominal GDP has been revised up by 0.5 percentage points since the [second estimate of GDP](#). Revisions to deflators and adjustments made to balance GDP mean this upward current price revision had a smaller impact on real 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 (CoE) (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.

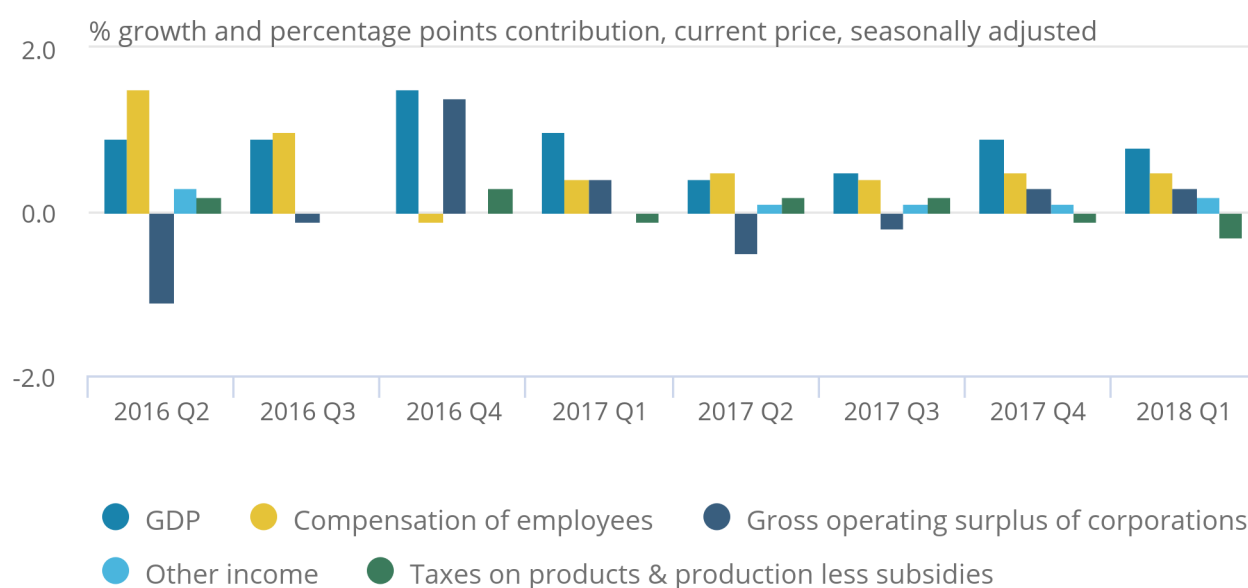
Figure 5 shows the contribution made by income components to current price GDP. In most quarters CoE provides the largest contribution to growth in the income measure of GDP. The CoE component contributed 0.5 percentage points to current price GDP growth in Quarter 1 2018, while gross operating surplus of corporations, and other income contributed 0.3 and 0.2 percentage points respectively. Taxes on products and production less subsidies deducted 0.3 percentage points from GDP growth.

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018

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

Quarter 2 (Apr to Jun) 2016 to Quarter 1 (Jan to Mar) 2018



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 will not sum to the percentage change in average GDP.
3. Contributions may not sum to GDP growth due to rounding.

Users should be aware that larger than usual adjustments have been applied to the income dataset to help balance the different measurement approaches to GDP, so income components should be considered in the context of these adjustments. Please see the [Quality and methodology section](#) for further information about the balancing adjustments applied to this dataset.

Compensation of employees (CoE)

CoE consists of wages and salaries, and employers' social contributions. Total CoE showed positive growth of 1.1% (seasonally adjusted) into Quarter 1 2018. This has been revised downwards from 1.6% in the [second estimate of GDP](#). Improvements to methods and data used to calculate certain pensions have led to revisions in the CoE component, further information is available in the [Revisions to GDP](#) section.

Taxes on products and production less subsidies

Taxes on products and production less subsidies showed a decrease of 2.3% in Quarter 1 2018, revised upwards by 0.1 percentage points from the [second estimate of GDP](#). The fall in taxes on products and production is due to a decrease in consumer-facing taxes including Value Added Tax (VAT) and duties on alcohol and tobacco.

Gross operating surplus of corporations

Gross operating surplus of corporations saw an increase of 1.5% between Quarter 4 2017 and Quarter 1 2018, this was revised upwards from a decrease of 1.3% in the [second estimate of GDP](#). This category includes the operating surplus, or profits, of private corporations, private non-financial corporations and public corporations. The revision is due to replacing forecasts with actual data and improved quality of survey data due to late survey returns.

8 . Revisions to GDP

Table 3 presents revisions to the main components of gross domestic product (GDP) through the quarterly tail. In this Blue Book 2018-consistent dataset, a number of methodological changes have been made and improved source data have been used, in addition to revisions due to taking on updated source data as would happen in all quarterly national accounts releases.

Table 3: Revisions to components of GDP, Quarter 1 2017 to Quarter 1 2018

	Percentage point				
	Q1 2017	Q2 2017	Q3 2017	Q4 2017	Q1 2018
Average GDP in chained volume measures	0.1	0.0	-0.1	0.0	0.1
Output					
Agriculture	2.8	0.6	-0.3	0.7	-0.1
Production	-0.1	0.2	0.1	0.3	-0.2
Construction	0.8	0.8	0.0	0.4	1.9
Services	0.1	0.0	0.0	0.0	0.0
Expenditure					
Households	0.2	0.1	0.0	0.0	0.0
Non-profit institutions serving households	-0.2	-0.9	-0.7	0.2	0.8
General government	-0.4	0.2	0.0	0.0	-0.1
Gross capital formation	-1.5	0.7	-0.2	-4.4	0.7
Total exports	1.0	-1.3	-1.0	1.9	0.5
Total imports	0.0	-0.2	-0.7	-0.6	0.4
Average GDP in current prices	0.2	-0.2	-0.4	0.2	0.5
Income					
Compensation of employees	-0.1	0.1	0.1	0.4	-0.5
Gross operating surplus of corporations	-0.3	-0.9	-2.2	0.4	2.8
Other income	0.2	-0.2	0.0	-0.5	0.9
Taxes on products & production less subsidies	0.4	-0.2	-0.4	-0.3	0.1

Source: Office for National Statistics

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

2. Revisions are between the second estimate of GDP published 25 May 2018 and quarterly national accounts published 29 June 2018.

The main Blue Book 2018-related changes affecting this release are provided in this section.

The use of VAT turnover data

Value Added Tax (VAT) turnover data for October to December and revisions for earlier periods have been incorporated into the compilation of the output approach to measuring GDP. This data source replaces estimates initially gathered from the Monthly Business Survey (MBS) for some industries. VAT 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.

The use of the VAT turnover dataset is one of the first major steps towards transforming the data sources used in economic statistics by increasing quality through enhanced use of large externally-collected administrative data in conjunction with Office for National Statistics (ONS) surveys. In this release, the use of VAT turnover data has been increased to cover a number of additional industries including publishing services, programming and broadcasting services, and employment services. More information on the additional industries being included is provided in [Section 7 of the Index of Services statistical bulletin](#).

Further information about [the implementation of VAT turnover in national accounts](#) was published in December 2017.

Improvements to construction statistics

A description of the impact of improvements that have been incorporated into construction output, as part of Blue Book 2018, have been published in the [Impact of improvements to construction statistics: June 2018 article](#) on 29 June 2018. This article focuses on the improvements implemented to address the bias in early estimates of construction output in addition to usual changes in nominal data and seasonal adjustment.

New developments to UK trade data

Revisions to trade in goods and services components in this release can in part be attributed to the development of new systems for Blue Book and Pink Book 2018. The introduction of these systems improves both the quality and the detail at which we are able to report trade figures. Further detail is available in the article [UK trade data impact assessment from new developments, 1997 to 2016](#).

Gross fixed capital formation other machinery and equipment

Estimates of gross fixed capital formation (GFCF) have been subject to amendment in this Blue Book 2018-consistent dataset. A change was made in UK National Accounts, The Blue Book 2017 to correct the estimation of elements of purchased software. During quality assurance we identified that an additional amendment to other machinery and equipment, and information and communication technology (ICT) equipment was required. Purchased software has been unaffected by this additional amendment. More information is available in the article [Latest developments to UK National Accounts and Balance of Payments – changes to be implemented for Blue Book and Pink Book 2018](#).

Pensions

Improvements have been made to the data and methods used to calculate figures for funded public sector employee pensions in the financial corporations sector, where the employer or “pension manager” is in local government or central government. These changes take effect in this Blue Book 2018-consistent dataset and impact on the Compensation of Employees (CoE) and financial corporations gross operating surplus components of the income approach to measuring GDP.

Net spread earnings

In the national accounts, net spread earnings (NSE) are considered to be the estimate of the production/income associated with this trading. The Bank of England has collected NSE generated from trading in foreign exchange, securities and derivatives using its Profit and Loss (PL) form. The Bank of England has recently emphasised the importance of these data and targeted some of the main reporters to ensure that NSE are correctly reported. This has led to more comprehensive coverage and the Bank has revised some of the previous estimates supplied to Office for National Statistics (ONS). These revised estimates have been incorporated in this Blue Book 2018-consistent dataset for the first time and affect mainly the trade in services component.

Other Blue Book 2018 changes

There are a number of small changes that have been incorporated in this dataset as part of the annual Blue Book process. These include:

- change to the way Motor Vehicle Duty payments are recorded
- reclassification of Rail for London from local government to public corporations
- alignment of UK National Accounts and public sector finance statistics

More information covering the changes being incorporated in the UK National Accounts as part of Blue Book 2018 is available in the article [Latest developments to UK National Accounts and Balance of Payments – changes to be implemented for Blue Book and Pink Book 2018](#).

9 . 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.

Most of the areas included within our international comparisons saw positive growth in Quarter 1 (Jan to Mar) 2018 with the exception of Japan, which decreased by 0.2%. The strongest growth seen in this quarter was 0.5% by the USA. Germany, Italy and Canada all saw growth of 0.3% (Table 4).

European Union (EU28) economies grew by an average of 0.4% in Quarter 1 2018. This means that average gross domestic product (GDP) growth between countries in the area has been positive for 20 consecutive quarters. G7 countries saw an average of 0.3% growth in Quarter 1. All G7 countries are above pre-economic downturn peaks except for Italy whose GDP remains 5.5% below the pre-downturn peak (Quarter 1 2008).

The area currently showing the biggest recovery over this period is Canada, up 18.6% since the downturn. UK GDP is now 10.4% above the level recorded in Quarter 1 2008.

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

Table 4: International GDP growth rate comparisons

Chained volume measures, seasonally adjusted

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2016	0.5	0.5	0.4	0.7	0.6	0.2	0.3	0.6	0.8	0.1
Q2 2016	0.4	0.3	0.4	-0.2	0.5	0.1	0.2	-0.3	0.2	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	0.7	0.5	0.6	0.4	0.5	0.7	0.6	0.2	0.4
Q1 2017	0.7	0.7	0.5	0.8	0.9	0.5	0.4	1.0	0.7	0.3
Q2 2017	0.7	0.7	0.7	0.7	0.6	0.4	0.2	1.1	0.5	0.8
Q3 2017	0.7	0.7	0.7	0.7	0.7	0.3	0.4	0.4	0.5	0.8
Q4 2017	0.7	0.7	0.6	0.7	0.6	0.4	0.4	0.4	0.3	0.7
Q1 2018	0.4	0.4	0.3	0.2	0.3	0.3	0.2	0.3	-0.2	0.5

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.

10 . Links to related statistics

Release content

All data in this bulletin are seasonally adjusted estimates. Non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). These data can be downloaded directly from the [UKEA dataset](#) and on the [UKEA main aggregates](#) dataset table. Data published in the UKEA reflect data as published on 29 June 2018 and will be next updated on 28 September 2018 when the Quarter 2 (Apr to June) 2018 Quarterly national accounts release and UKEA will become consistent.

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 June 2018.

Index of Services

The [Index of Services publication](#) was published on 29 June 2018.

Quarterly sector accounts and balance of payments

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

Consumer trends

Estimates of household final consumption expenditure for the UK are also available in the [Consumer trends release](#), published on 29 June 2018.

11 . Are there any upcoming changes?

New model for publishing GDP

An article [introducing a new publication model for GDP](#) was published on 27 April 2018. It provided detail of the upcoming changes to the GDP publication model as well as the benefits and trade-offs and the impact on data content.

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

The new monthly estimates of GDP will be presented in a new style bulletin. It will be chart-based, telling the story of the data with a selection of charts alongside minimal text. The bulletin is designed to give an overview of the latest data on the economy. The Index of Services, Index of Production, and Construction bulletins will continue to be released alongside the monthly estimates of GDP. For one month of the quarter the monthly GDP release is published on the same day as the first quarterly estimate of GDP. On this day, the monthly bulletin will be expanded to include extra information included in the quarterly release, such as information on the income and expenditure approaches to measuring GDP. A mock-up version of the new style bulletin will be published on 4 July 2018, alongside the tables that will accompany the release.

Future of the business investment provisional estimate

In the [provisional business investment estimate](#) published 25 May 2018, we announced we had reviewed the feasibility of continuing publication of the business investment provisional release in its existing format and described a new business investment publication model to be introduced in August 2018.

That publication model announced in May is being reviewed further to ensure that we continue to provide the same level of data quality in our publication material and so a confirmed publication model will be announced on our website on 4 July 2018 when that review process has concluded.

There are no plans currently to change the format and content of the revised business investment release published alongside the quarterly national accounts, other than the normal evolution of a bulletin.

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](#).

12 . 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 approach in Quarter 1 (Jan to Mar) 2017 and Quarter 3 (July to Sept) 2017, and the expenditure approach in Quarter 1 2018. To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the expenditure and income components of GDP as required. They are applied to the individual components where data content is particularly weak in a given quarter due to a higher level of forecast content. Balancing adjustments are larger than usual in 2017 and Quarter 1 2018.

In the expenditure approach, adjustments have focused on inventories where some caution should be used in the interpretation of quarterly levels. In the income approach, balancing adjustments are larger than usual across a number of components. Balancing adjustments have been applied to the employer's contributions component of compensation of employees (CoE) throughout 2017 and Quarter 1 2018. This element of CoE has been targeted to preserve the relationship between the wages and salaries component of CoE and labour market indicators. The quarterly and annual growth rates of income and expenditure should be interpreted in the context of these adjustments.

The size and direction of the quarterly alignment adjustments in Quarter 1 2018 indicate that in this quarter the level of expenditure is higher than the level of output and income is lower than the level of output.

Table 5 shows the balancing adjustments applied to the GDP estimates in this publication.

Table 5: Balancing adjustments applied to the Quarterly National Accounts dataset for Quarter 1 (Jan to Mar) 2017 to Quarter 1 2018

GDP measurement approach and component adjustment applied to		Q1 2017	Q2 2017	Q3 2017	Q4 2017	Q1 2018
Expenditure						
Change in inventories	Current prices	-2100	-200	2000	2500	-3000
	Chained volume measure	-500	-200	2000	2500	-1500
Trade in Services (exports)	Current price	1000	500			-500
	Chained volume measure	1000	500			
Income						
Private non-financial corporations	Current price	750	850	1050	650	250
Financial corporations	Current price	1000	1000	1000	1000	1000
Mixed income	Current price	100	175	250	325	400
Compensation of Employees	Current price	1000	1000	1000	1000	1000

Source: Office for National Statistics

Notes:

1. Adjustments are in £ million.

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

A1 National accounts aggregates^{1,2}

2016 = 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	93.6	93.7	96.0	95.7	95.4	95.0	98.5	97.6	97.9
2015	96.3	96.4	98.2	98.1	97.9	97.6	98.4	98.0	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.6	103.6	101.7	101.9	102.5	103.1	102.2	101.9	101.7
Seasonally adjusted									
2014 Q4	94.4	94.5	97.0	97.1	95.8	96.4	98.2	97.4	97.3
2015 Q1	94.9	95.1	97.4	97.4	97.9	96.9	98.0	97.4	97.7
Q2	96.5	96.7	98.0	98.0	98.9	97.5	99.0	98.5	98.6
Q3	96.6	96.6	98.4	98.3	98.6	97.8	98.6	98.1	98.2
Q4	97.0	97.1	99.1	98.8	96.2	98.3	98.1	97.9	98.2
2016 Q1	98.6	98.6	99.5	99.1	98.8	98.8	99.3	99.1	99.4
Q2	99.4	99.4	99.6	99.6	98.9	99.5	100.0	99.8	99.9
Q3	100.3	100.4	100.1	100.2	100.3	100.3	100.1	100.2	100.2
Q4	101.7	101.7	100.8	101.1	102.1	101.5	100.6	100.9	100.5
2017 Q1	102.8	102.8	101.2	101.5	102.9	102.5	101.7	101.5	101.3
Q2	103.2	103.3	101.4	101.7	101.7	102.7	101.9	101.8	101.6
Q3	103.8	103.7	101.8	102.0	102.7	103.3	102.2	101.9	101.6
Q4	104.7	104.8	102.2	102.4	102.8	103.8	102.9	102.5	102.3
2018 Q1	105.6	106.0	102.4	102.6	103.3	104.0	103.2	103.1	103.3
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2014	4.7	4.6	2.9	3.4	3.5	3.7	1.2	1.7	1.2
2015	2.8	2.8	2.3	2.5	2.6	2.8	-0.1	0.4	0.2
2016	3.9	3.8	1.8	1.9	2.1	2.4	1.6	2.1	1.9
2017	3.6	3.6	1.7	1.9	2.5	3.1	2.2	1.9	1.7
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2014 Q4	0.1	-0.2	0.7	0.9	-0.2	1.0	-0.6	-0.6	-1.1
2015 Q1	0.5	0.7	0.4	0.3	2.2	0.5	-0.2	0.1	0.4
Q2	1.7	1.7	0.6	0.7	1.1	0.6	1.0	1.1	1.0
Q3	0.1	-0.1	0.4	0.3	-0.4	0.3	-0.4	-0.4	-0.4
Q4	0.5	0.5	0.7	0.5	-2.4	0.5	-0.5	-0.3	-
2016 Q1	1.6	1.5	0.3	0.3	2.7	0.4	1.2	1.3	1.2
Q2	0.9	0.9	0.2	0.4	0.1	0.7	0.7	0.7	0.4
Q3	0.9	0.9	0.5	0.6	1.4	0.8	0.2	0.4	0.3
Q4	1.5	1.3	0.7	0.9	1.8	1.2	0.5	0.7	0.4
2017 Q1	1.0	1.1	0.4	0.4	0.8	1.0	1.1	0.6	0.7
Q2	0.4	0.5	0.2	0.2	-1.2	0.3	0.3	0.2	0.3
Q3	0.5	0.4	0.4	0.3	1.0	0.5	0.3	0.2	-
Q4	0.9	1.1	0.4	0.4	0.1	0.5	0.6	0.5	0.7
2018 Q1	0.8	1.2	0.2	0.2	0.5	0.2	0.3	0.6	0.9
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2014 Q4	3.9	3.8	3.1	4.0	2.6	4.4	0.4	0.8	-0.2
2015 Q1	3.0	3.2	2.7	3.3	3.6	3.6	-0.2	0.3	-0.1
Q2	3.2	3.3	2.4	2.9	3.8	3.1	0.2	0.7	0.3
Q3	2.3	2.0	2.1	2.2	2.7	2.4	-0.2	0.2	-0.2
Q4	2.8	2.8	2.2	1.8	0.4	2.0	-0.1	0.5	0.9
2016 Q1	3.9	3.6	2.1	1.8	0.9	1.9	1.3	1.7	1.8
Q2	3.0	2.8	1.7	1.6	-	2.0	0.9	1.3	1.3
Q3	3.8	3.9	1.7	1.9	1.7	2.5	1.5	2.1	2.0
Q4	4.9	4.7	1.7	2.3	6.1	3.2	2.5	3.1	2.4
2017 Q1	4.3	4.3	1.8	2.4	4.2	3.8	2.4	2.4	1.9
Q2	3.8	3.9	1.8	2.1	2.8	3.3	2.0	2.0	1.7
Q3	3.5	3.3	1.7	1.8	2.5	3.0	2.1	1.7	1.4
Q4	2.9	3.1	1.3	1.3	0.7	2.3	2.3	1.6	1.8
2018 Q1	2.7	3.1	1.2	1.1	0.4	1.5	1.5	1.6	2.0

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 2016)				
	Gross national income at market prices	Net income from abroad ²	Gross domestic product at market prices	less Basic price adjust-ment ³	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjust-ment ³	Gross value added at basic prices	Gross value added excluding oil & gas ⁴	
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2	
2014	1 806 468	-37 827	1 844 295	198 340	1 645 955	1 890 493	209 942	1 680 700	1 669 769	
2015	1 852 845	-42 994	1 895 839	203 800	1 692 039	1 934 903	211 411	1 723 523	1 711 310	
2016	1 920 116	-49 408	1 969 524	213 479	1 756 045	1 969 524	213 479	1 756 045	1 743 298	
2017	2 008 593	-32 058	2 040 651	220 897	1 819 754	2 002 140	212 718	1 789 422	1 776 847	
Seasonally adjusted										
2014 Q4	453 400	-11 593	464 986	50 311	414 675	477 615	51 428	426 125	423 400	
2015 Q1	457 205	-10 090	467 295	49 777	417 518	479 734	52 180	427 535	424 741	
Q2	469 235	-5 993	475 229	50 726	424 503	482 464	52 024	430 425	427 251	
Q3	466 800	-8 742	475 541	51 621	423 920	484 552	52 849	431 718	428 558	
Q4	459 605	-18 169	477 774	51 676	426 098	488 153	54 358	433 845	430 760	
2016 Q1	470 818	-14 512	485 326	52 667	432 659	489 736	54 606	435 169	432 081	
Q2	475 548	-13 944	489 494	52 981	436 513	490 502	53 391	437 116	433 934	
Q3	482 658	-11 072	493 730	53 153	440 577	492 816	52 908	439 892	436 496	
Q4	491 092	-9 880	500 974	54 678	446 296	496 470	52 574	443 868	440 787	
2017 Q1	500 783	-5 232	506 015	54 746	451 269	498 417	52 899	445 518	442 349	
Q2	498 376	-9 850	508 227	54 843	453 384	499 477	53 046	446 431	443 289	
Q3	503 551	-7 355	510 906	55 840	455 066	501 232	53 285	447 947	444 707	
Q4	505 883	-9 621	515 503	55 468	460 035	503 014	53 488	449 526	446 502	
2018 Q1	511 762	-8 118	519 880	54 415	465 465	504 195	53 611	450 584	447 413	
Percentage change,latest year on previous year										
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8	
2014	4.7		4.7		4.6	2.9		3.4	3.4	
2015	2.6		2.8		2.8	2.3		2.5	2.5	
2016	3.6		3.9		3.8	1.8		1.9	1.9	
2017	4.6		3.6		3.6	1.7		1.9	1.9	
Percentage change, latest quarter on previous quarter										
	KH75		IHYN		KGL8	IHYQ		KGM9		
2014 Q4	-0.1		0.1		-0.2	0.7		0.9	0.9	
2015 Q1	0.8		0.5		0.7	0.4		0.3	0.3	
Q2	2.6		1.7		1.7	0.6		0.7	0.6	
Q3	-0.5		0.1		-0.1	0.4		0.3	0.3	
Q4	-1.5		0.5		0.5	0.7		0.5	0.5	
2016 Q1	2.4		1.6		1.5	0.3		0.3	0.3	
Q2	1.0		0.9		0.9	0.2		0.4	0.4	
Q3	1.5		0.9		0.9	0.5		0.6	0.6	
Q4	1.7		1.5		1.3	0.7		0.9	1.0	
2017 Q1	2.0		1.0		1.1	0.4		0.4	0.4	
Q2	-0.5		0.4		0.5	0.2		0.2	0.2	
Q3	1.0		0.5		0.4	0.4		0.3	0.3	
Q4	0.5		0.9		1.1	0.4		0.4	0.4	
2018 Q1	1.2		0.8		1.2	0.2		0.2	0.2	
Percentage change, latest quarter on corresponding quarter of previous year										
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9	
2014 Q4	3.4		3.9		3.8	3.1		4.0	4.0	
2015 Q1	2.4		3.0		3.2	2.7		3.3	3.3	
Q2	3.6		3.2		3.3	2.4		2.9	2.8	
Q3	2.8		2.3		2.0	2.1		2.2	2.1	
Q4	1.4		2.8		2.8	2.2		1.8	1.7	
2016 Q1	3.0		3.9		3.6	2.1		1.8	1.7	
Q2	1.3		3.0		2.8	1.7		1.6	1.6	
Q3	3.4		3.8		3.9	1.7		1.9	1.9	
Q4	6.9		4.9		4.7	1.7		2.3	2.3	
2017 Q1	6.4		4.3		4.3	1.8		2.4	2.4	
Q2	4.8		3.8		3.9	1.8		2.1	2.2	
Q3	4.3		3.5		3.3	1.7		1.8	1.9	
Q4	3.0		2.9		3.1	1.3		1.3	1.3	
2018 Q1	2.2		2.7		3.1	1.2		1.1	1.1	

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}

2016 = 100

	Production							Service industries						Gross value added excluding oil & gas
	Agri- culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr- uction	Distri- bution, hotels & restaura- nts	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added ⁴	
2016 Weights³	7	10	100	17	10	138	60	134	106	335	221	796	1000	993
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2014	104.9	92.3	99.6	96.9	91.5	97.9	92.0	92.2	92.9	94.9	99.1	95.5	95.7	95.8
2015	106.0	99.7	99.6	97.9	94.7	99.0	96.1	96.3	96.7	97.3	100.0	98.1	98.1	98.2
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.9	100.3	102.5	98.3	102.7	101.8	107.1	102.1	104.2	102.6	100.2	101.8	101.9	101.9
Seasonally adjusted														
2014 Q4	107.4	92.7	100.2	97.0	91.3	98.3	94.1	93.9	95.0	96.6	100.0	97.0	97.1	97.1
2015 Q1	106.0	94.7	100.2	99.5	91.5	98.8	95.1	95.0	95.5	96.7	99.5	97.2	97.4	97.5
Q2	107.0	102.7	99.8	97.6	95.3	99.5	96.3	96.1	96.5	96.8	100.0	97.9	98.0	98.0
Q3	106.3	101.8	99.3	98.5	95.7	99.2	95.7	96.6	97.1	97.4	100.2	98.3	98.3	98.3
Q4	104.6	99.7	99.2	96.1	96.0	98.6	97.2	97.6	97.7	98.2	100.5	98.9	98.8	98.8
2016 Q1	100.7	97.9	99.0	98.1	97.8	98.7	97.5	98.7	98.0	98.9	100.3	99.3	99.1	99.1
Q2	99.7	100.1	100.2	102.5	100.5	100.5	99.2	99.2	98.2	99.5	99.9	99.4	99.6	99.6
Q3	99.5	105.1	99.7	98.5	100.6	100.1	100.2	100.1	101.0	100.4	99.8	100.2	100.2	100.2
Q4	100.1	97.0	101.0	100.9	101.2	100.7	103.1	101.9	102.8	101.2	100.0	101.0	101.1	101.1
2017 Q1	102.1	100.3	101.5	96.9	103.4	101.0	106.4	101.6	102.9	102.1	100.2	101.4	101.5	101.5
Q2	102.7	100.6	101.7	97.4	102.7	101.1	106.9	102.0	103.8	102.1	100.4	101.6	101.7	101.7
Q3	103.5	102.7	102.7	99.6	101.8	102.2	107.3	102.5	104.3	102.7	100.3	102.0	102.0	102.0
Q4	103.2	97.8	104.1	99.5	103.0	103.0	107.7	102.4	105.8	103.5	100.1	102.3	102.4	102.4
2018 Q1	101.7	100.2	104.0	100.9	104.7	103.4	106.8	102.5	105.9	104.1	100.3	102.6	102.6	102.7
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2014	12.2	0.6	2.9	-6.0	0.7	1.5	8.8	4.4	2.8	4.0	2.2	3.2	3.4	3.4
2015	1.1	8.0	-	1.0	3.4	1.2	4.4	4.5	4.1	2.5	0.9	2.7	2.5	2.5
2016	-5.6	0.3	0.4	2.1	5.6	1.0	4.1	3.8	3.4	2.8	-	1.9	1.9	1.9
2017	2.9	0.3	2.5	-1.7	2.7	1.8	7.1	2.1	4.2	2.6	0.2	1.8	1.9	1.9
Percentage change, latest quarter on previous quarter														
													KGM9	
2014 Q4	1.7	2.5	0.2	-2.4	0.9	0.2	0.3	1.5	1.6	1.3	0.6	1.1	0.9	0.9
2015 Q1	-1.3	2.2	-	2.5	0.2	0.5	1.1	1.1	0.5	0.1	-0.5	0.3	0.3	0.3
Q2	0.9	8.4	-0.4	-1.8	4.2	0.7	1.2	1.2	1.0	0.1	0.5	0.6	0.7	0.6
Q3	-0.6	-0.9	-0.4	0.8	0.4	-0.3	-0.6	0.5	0.6	0.6	0.2	0.5	0.3	0.3
Q4	-1.7	-2.0	-0.2	-2.4	0.3	-0.6	1.5	1.0	0.6	0.8	0.3	0.6	0.5	0.5
2016 Q1	-3.7	-1.9	-0.1	2.1	1.8	0.1	0.3	1.1	0.4	0.7	-0.2	0.4	0.3	0.3
Q2	-1.1	2.2	1.2	4.6	2.8	1.8	1.7	0.5	0.2	0.6	-0.4	0.1	0.4	0.4
Q3	-0.2	5.1	-0.5	-3.9	0.1	-0.4	1.1	0.9	2.9	0.9	-0.1	0.8	0.6	0.6
Q4	0.6	-7.8	1.3	2.4	0.6	0.6	2.9	1.7	1.8	0.8	0.1	0.8	0.9	1.0
2017 Q1	2.0	3.5	0.5	-3.9	2.2	0.3	3.2	-0.3	0.1	0.9	0.3	0.3	0.4	0.4
Q2	0.5	0.3	0.2	0.5	-0.7	0.2	0.4	0.4	0.9	-	0.2	0.3	0.2	0.2
Q3	0.8	2.1	1.0	2.2	-0.9	1.1	0.4	0.4	0.5	0.6	-0.2	0.3	0.3	0.3
Q4	-0.3	-4.8	1.4	-0.1	1.2	0.7	0.3	-0.1	1.4	0.8	-0.2	0.4	0.4	0.4
2018 Q1	-1.5	2.5	-0.1	1.4	1.7	0.4	-0.8	0.1	0.1	0.6	0.3	0.3	0.2	0.2
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 Q4	12.8	-0.5	2.7	-3.8	-2.7	1.1	8.1	5.5	5.1	4.9	2.7	4.1	4.0	4.0
2015 Q1	3.9	1.7	1.4	4.5	-2.1	1.5	6.7	5.0	5.1	3.7	1.3	3.3	3.3	3.3
Q2	2.4	10.3	0.2	1.7	5.0	1.8	5.7	4.9	4.6	2.6	1.2	2.9	2.9	2.8
Q3	0.7	12.5	-0.7	-0.9	5.7	1.2	2.1	4.4	3.8	2.2	0.8	2.5	2.2	2.1
Q4	-2.6	7.6	-1.1	-1.0	5.1	0.3	3.3	3.9	2.8	1.7	0.5	2.0	1.8	1.7
2016 Q1	-5.0	3.3	-1.1	-1.4	6.8	-0.1	2.5	3.9	2.6	2.3	0.8	2.1	1.8	1.7
Q2	-6.8	-2.5	0.5	5.0	5.4	1.0	3.0	3.2	1.8	2.7	-0.1	1.6	1.6	1.6
Q3	-6.5	3.3	0.4	0.1	5.1	0.9	4.7	3.7	4.0	3.1	-0.3	1.9	1.9	1.9
Q4	-4.3	-2.8	1.9	5.0	5.3	2.1	6.1	4.4	5.3	3.1	-0.5	2.1	2.3	2.3
2017 Q1	1.4	2.5	2.5	-1.2	5.8	2.3	9.2	2.9	5.0	3.2	-	2.1	2.4	2.4
Q2	3.0	0.5	1.5	-5.0	2.2	0.6	7.8	2.8	5.7	2.6	0.5	2.2	2.1	2.2
Q3	4.1	-2.3	3.0	1.1	1.2	2.1	7.0	2.3	3.3	2.3	0.4	1.7	1.8	1.9
Q4	3.1	0.9	3.1	-1.4	1.8	2.3	4.4	0.5	2.9	2.3	0.1	1.3	1.3	1.3
2018 Q1	-0.4	-0.1	2.5	4.1	1.3	2.4	0.3	0.9	2.9	2.0	0.1	1.2	1.1	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 This is a balanced index of UK GVA taking into account data from the Income and Expenditure approaches. Thus it will not necessarily be the weighted sum of the industrial indices.

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

2016 = 100

Service industries											
	Wholesale and retail trade	Transport storage 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
2016 Weights³	104	106	30	73	138	123	47	59	75	40	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2014	91.7	92.9	94.0	99.5	96.0	92.5	103.8	98.9	96.9	98.2	95.5
2015	95.8	96.7	98.5	96.6	99.4	97.2	101.8	100.6	98.4	100.2	98.1
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.9	104.2	102.8	100.1	101.1	104.0	100.3	101.1	99.6	100.3	101.8
Seasonally adjusted											
2014 Q4	93.4	95.0	95.8	99.6	97.0	95.2	103.8	99.7	98.3	99.3	97.0
2015 Q1	94.4	95.5	97.4	98.5	98.0	95.6	102.8	100.1	97.0	99.4	97.2
Q2	95.7	96.5	97.8	95.8	99.2	97.0	102.2	100.3	98.4	99.9	97.9
Q3	96.1	97.1	98.4	95.2	100.1	97.9	101.2	100.8	98.9	100.3	98.3
Q4	96.9	97.7	100.4	97.1	100.3	98.3	101.1	101.0	99.4	101.2	98.9
2016 Q1	98.6	98.0	99.2	98.7	100.5	98.4	100.5	100.5	100.1	99.9	99.3
Q2	99.2	98.2	99.3	99.4	99.9	99.4	99.8	99.8	100.1	99.7	99.4
Q3	100.2	101.0	100.1	101.2	99.7	100.4	99.8	99.7	100.0	99.7	100.2
Q4	102.0	102.8	101.5	100.7	99.9	101.8	99.8	100.0	99.7	100.6	101.0
2017 Q1	101.3	102.9	102.8	100.7	100.6	103.0	99.9	100.9	99.7	100.7	101.4
Q2	101.8	103.8	102.8	100.2	101.1	103.0	100.5	100.9	99.7	101.0	101.6
Q3	102.3	104.3	102.8	100.1	101.4	104.2	100.2	101.1	99.4	100.7	102.0
Q4	102.3	105.8	102.7	99.3	101.5	105.9	100.5	101.3	99.6	98.7	102.3
2018 Q1	102.3	105.9	103.0	99.8	101.7	106.8	100.5	101.5	99.9	99.2	102.6
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2014	4.9	2.8	2.7	-1.7	3.1	7.5	-1.8	1.5	3.4	6.2	3.2
2015	4.5	4.1	4.8	-2.9	3.5	5.1	-1.9	1.7	1.5	2.0	2.7
2016	4.4	3.4	1.5	3.5	0.6	2.9	-1.8	-0.6	1.6	-0.2	1.9
2017	1.9	4.2	2.8	0.1	1.1	4.0	0.3	1.1	-0.4	0.3	1.8
Percentage change, latest quarter on previous quarter											
2014 Q4	1.4	1.6	1.7	0.5	0.5	2.0	-	0.6	1.1	0.6	1.1
2015 Q1	1.0	0.5	1.6	-1.2	1.0	0.4	-1.0	0.5	-1.3	0.1	0.3
Q2	1.4	1.0	0.5	-2.7	1.2	1.4	-0.6	0.1	1.5	0.4	0.6
Q3	0.5	0.6	0.6	-0.6	0.9	1.0	-0.9	0.5	0.5	0.5	0.5
Q4	0.8	0.6	2.0	2.0	0.2	0.4	-0.2	0.2	0.4	0.9	0.6
2016 Q1	1.8	0.4	-1.2	1.7	0.1	0.1	-0.6	-0.5	0.8	-1.2	0.4
Q2	0.6	0.2	0.1	0.8	-0.5	0.9	-0.6	-0.7	-	-0.2	0.1
Q3	0.9	2.9	0.8	1.8	-0.2	1.0	-	-0.1	-0.1	-	0.8
Q4	1.8	1.8	1.4	-0.4	0.1	1.5	-	0.3	-0.3	0.9	0.8
2017 Q1	-0.7	0.1	1.3	-	0.7	1.2	0.1	0.9	-0.1	-	0.3
Q2	0.5	0.9	-	-0.5	0.6	-	0.6	-	-	0.3	0.3
Q3	0.5	0.5	0.1	-0.2	0.3	1.1	-0.3	0.2	-0.3	-0.3	0.3
Q4	-	1.4	-0.1	-0.7	0.1	1.7	0.3	0.2	0.2	-2.1	0.4
2018 Q1	-	0.1	0.3	0.5	0.1	0.8	-	0.1	0.4	0.6	0.3
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2014 Q4	5.6	5.1	5.2	-0.4	3.2	8.4	-1.0	2.0	3.8	6.1	4.1
2015 Q1	4.9	5.1	5.5	-1.1	3.3	6.6	-1.1	2.3	1.2	2.6	3.3
Q2	5.0	4.6	4.6	-3.9	3.6	5.9	-1.6	1.5	2.3	2.0	2.9
Q3	4.4	3.8	4.4	-4.0	3.8	4.9	-2.4	1.7	1.7	1.6	2.5
Q4	3.7	2.8	4.8	-2.6	3.4	3.2	-2.6	1.3	1.0	1.9	2.0
2016 Q1	4.5	2.6	1.9	0.2	2.5	3.0	-2.2	0.3	3.2	0.5	2.1
Q2	3.7	1.8	1.5	3.8	0.8	2.5	-2.3	-0.4	1.7	-0.1	1.6
Q3	4.2	4.0	1.7	6.3	-0.4	2.5	-1.4	-1.1	1.1	-0.6	1.9
Q4	5.3	5.3	1.1	3.8	-0.5	3.6	-1.2	-1.1	0.4	-0.6	2.1
2017 Q1	2.7	5.0	3.6	2.1	0.1	4.6	-0.5	0.4	-0.4	0.7	2.1
Q2	2.6	5.7	3.5	0.8	1.2	3.7	0.7	1.0	-0.4	1.3	2.2
Q3	2.2	3.3	2.8	-1.1	1.7	3.8	0.4	1.4	-0.7	1.0	1.7
Q4	0.3	2.9	1.3	-1.4	1.7	4.0	0.7	1.4	-0.2	-2.0	1.3
2018 Q1	1.1	2.9	0.2	-0.9	1.1	3.7	0.5	0.6	0.3	-1.4	1.2

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						
	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 Total imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2014	1 142 350	56 259	357 101	305 747	175 594	12 565	–	–52 187	394 262	549 967	–29 675	–	–	–	1 844 295	
2015	1 178 915	56 566	361 028	319 432	184 620	7 046	–	–164 192	283 519	610 244	433 546	594	–26 984	–	1 895 839	
2016	1 235 247	57 343	367 974	331 442	187 032	8 556	–	–151 200	411 556	961 255	372 587	848	–30 887	–	1 969 524	
2017	1 285 606	57 940	372 632	351 042	195 312	3 036	–	287 207	543 615	910 268	453 641	796	–25 886	–4 006	2 040 651	
Seasonally adjusted																
2014 Q4	289 004	14 143	89 814	77 834	44 645	1 293	877	2 092	474 180	131 776	605 956	140 970	–9 194	–	464 986	
2015 Q1	290 220	14 139	90 075	79 609	46 422	193	1 832	2 508	476 744	130 245	606 989	139 694	–9 449	–	467 295	
Q2	293 370	14 128	89 420	80 279	46 328	3 330	223	–325	480 202	131 032	611 234	136 005	–4 973	–	475 229	
Q3	296 059	14 133	91 090	79 035	45 461	2 164	–1 721	–671	481 810	127 895	609 705	134 164	–6 269	–	475 541	
Q4	299 266	14 166	90 443	80 509	46 409	1 359	–334	–1 676	484 067	130 438	614 505	136 731	–6 293	–	477 774	
2016 Q1	303 176	14 217	91 626	80 667	45 850	2 046	–84	295	492 027	131 401	623 428	138 102	–6 701	–	485 326	
Q2	306 925	14 287	91 550	82 434	46 690	1 712	–900	–1 196	495 712	136 044	631 756	142 262	–6 218	–	489 494	
Q3	310 953	14 371	92 032	83 994	47 583	3 500	1 981	2 620	507 470	138 462	645 932	152 202	–13 740	–	493 730	
Q4	314 193	14 468	92 766	84 347	46 909	1 298	–997	–1 870	505 202	151 054	656 256	155 282	–4 228	–	500 974	
2017 Q1	318 682	14 497	92 749	85 826	47 699	2 098	–911	–579	513 273	152 193	665 466	158 817	–6 624	–634	506 015	
Q2	320 524	14 496	93 470	87 262	48 621	–114	–1 388	185	515 823	152 791	668 614	159 440	–6 649	–947	508 227	
Q3	321 493	14 468	92 932	88 326	49 298	1 361	1 860	382	518 962	154 467	673 429	161 364	–6 897	–1 159	510 906	
Q4	324 907	14 479	93 481	89 628	49 694	–309	439	299	522 485	156 459	678 944	162 175	–5 716	–1 266	515 503	
2018 Q1	329 114	14 486	94 658	88 898	49 697	–1 630	–2 939	–487	525 039	156 446	681 485	160 289	–3 843	–1 316	519 880	
Percentage change, latest year on previous year																
	KG77	KGZ8	KH2C	KG6O	KG6N				KGX3	KH2O	KG7V	KH3H			IHYM	
2014	4.0	3.4	3.0	8.6	5.9				4.7	–0.6	3.5	–0.5			4.7	
2015	3.2	0.5	1.1	4.5	5.1				2.6	–0.1	2.0	–0.6			2.8	
2016	4.8	1.4	1.9	3.8	1.3				4.0	7.2	4.7	7.5			3.9	
2017	4.1	1.0	1.3	5.9	4.4				3.5	10.6	5.0	9.2			3.6	
Percentage change, latest quarter on previous quarter																
	KG78	KGZ9	KH2D	KG6W	KG6V				KGX4	KH2P	KG78	KH3I			IHYN	
2014 Q4	0.5	0.1	–0.3	1.2	1.4				0.3	2.5	0.8	3.3			0.1	
2015 Q1	0.4	–	0.3	2.3	4.0				0.5	–1.2	0.2	–0.9			0.5	
Q2	1.1	–0.1	–0.7	0.8	–0.2				0.7	0.6	0.7	–2.6			1.7	
Q3	0.9	–	1.9	–1.5	–1.9				0.3	–2.4	–0.3	–1.4			0.1	
Q4	1.1	0.2	–0.7	1.9	2.1				0.5	2.0	0.8	1.9			0.5	
2016 Q1	1.3	0.4	1.3	0.2	–1.2				1.6	0.7	1.5	1.0			1.6	
Q2	1.2	0.5	–0.1	2.2	1.8				0.7	3.5	1.3	3.0			0.9	
Q3	1.3	0.6	0.5	1.9	1.9				2.4	1.8	2.2	7.0			0.9	
Q4	1.0	0.7	0.8	0.4	–1.4				–0.4	9.1	1.6	2.0			1.5	
2017 Q1	1.4	0.2	–	1.8	1.7				1.6	0.8	1.4	2.3			1.0	
Q2	0.6	–	0.8	1.7	1.9				0.5	0.4	0.5	0.4			0.4	
Q3	0.3	–0.2	–0.6	1.2	1.4				0.6	1.1	0.7	1.2			0.5	
Q4	1.1	0.1	0.6	1.5	0.8				0.7	1.3	0.8	0.5			0.9	
2018 Q1	1.3	–	1.3	–0.8	–				0.5	–	0.4	–1.2			0.8	
Percentage change, latest quarter on corresponding quarter of previous year																
	KG79	KH22	KH2E	KG76	KG75				KGX5	KH2Q	KG79	KH3J			IHYO	
2014 Q4	3.8	2.5	1.6	6.0	4.6				2.9	3.2	2.9	–			3.9	
2015 Q1	3.2	1.4	0.6	5.3	8.0				3.3	1.2	2.8	2.4			3.0	
Q2	3.1	0.5	2.0	6.4	5.5				3.1	–0.1	2.4	–0.1			3.2	
Q3	3.0	0.1	1.1	2.8	3.2				2.0	–0.6	1.4	–1.7			2.3	
Q4	3.6	0.2	0.7	3.4	4.0				2.1	–1.0	1.4	–3.0			2.8	
2016 Q1	4.5	0.6	1.7	1.3	–1.2				3.2	0.9	2.7	–1.1			3.9	
Q2	4.6	1.1	2.4	2.7	0.8				3.2	3.8	3.4	4.6			3.0	
Q3	5.0	1.7	1.0	6.3	4.7				5.3	8.3	5.9	13.4			3.8	
Q4	5.0	2.1	2.6	4.8	1.1				4.4	15.8	6.8	13.6			4.9	
2017 Q1	5.1	2.0	1.2	6.4	4.0				4.3	15.8	6.7	15.0			4.3	
Q2	4.4	1.5	2.1	5.9	4.1				4.1	12.3	5.8	12.1			3.8	
Q3	3.4	0.7	1.0	5.2	3.6				2.3	11.6	4.3	6.0			3.5	
Q4	3.4	0.1	0.8	6.3	5.9				3.4	3.6	3.5	4.4			2.9	
2018 Q1	3.3	–0.1	2.1	3.6	4.2				2.3	2.8	2.4	0.9			2.7	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

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

Reference year 2016, £ million

National expenditure on goods and services at market prices																
Final consumption expenditure										Gross capital formation						
	Households	Non-profit institutions ²	General government ⁷	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 Total imports	Trade balance ⁶	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2014	1 165 059	57 035	360 149	313 472	180 608	14 477	-1	-97 190	970 527	797 242	522 539	475 -11 678	-	-	1 890 493	
2015	1 196 525	56 874	365 223	324 016	187 355	11 146	-1	-360 195	953 172	551 228	504 151	569 120	-17 892	-	1 934 903	
2016	1 235 247	57 343	367 974	331 442	187 031	8 556	-	-151 200	411 556	961 257	372 587	848 -30 887	-	-	1 969 524	
2017	1 258 910	57 045	367 480	342 835	190 073	-481	-	229 202	018 586	934 261	952 606	885 -19 951	-3 927	-	2 002 140	
Seasonally adjusted																
2014 Q4	293 549	14 203	90 023	79 433	45 705	2 606	901	2 088	482 817	135 344	618 105	140 330	-4 986	-	477 615	
2015 Q1	295 287	14 220	90 461	80 808	47 195	1 011	1 878	2 536	486 411	136 932	623 264	143 349	-6 417	-	479 734	
Q2	297 798	14 293	91 291	81 764	47 152	3 154	223	-345	484 867	138 061	622 843	140 387	-2 326	-	482 464	
Q3	301 636	14 166	91 806	80 017	45 985	4 199	-1 757	-748	488 607	136 744	625 287	140 793	-4 049	-	484 552	
Q4	301 804	14 195	91 665	81 427	47 023	2 782	-345	-1 803	493 287	139 491	632 757	144 591	-5 100	-	488 153	
2016 Q1	305 101	14 251	92 044	81 415	46 221	1 881	-86	284	495 416	138 252	633 733	143 976	-5 724	-	489 736	
Q2	307 595	14 345	91 959	82 695	46 622	347	-903	-1 264	495 847	139 554	635 416	144 900	-5 346	-	490 502	
Q3	311 268	14 338	91 968	83 909	47 330	1 173	1 977	2 626	506 847	135 108	642 147	149 364	-14 256	-	492 816	
Q4	311 283	14 409	92 003	83 423	46 858	5 155	-988	-1 797	502 301	144 047	646 076	149 608	-5 561	-	496 470	
2017 Q1	313 173	14 383	91 502	84 308	46 759	1 939	-897	-553	504 752	145 182	649 934	150 893	-5 711	-624	498 417	
Q2	314 416	14 281	91 950	85 682	47 550	-517	-1 362	159	505 971	145 985	651 956	151 548	-5 563	-931	499 477	
Q3	315 224	14 182	91 824	86 067	47 843	-83	1 828	337	507 551	147 180	654 731	152 362	-5 182	-1 137	501 232	
Q4	316 097	14 199	92 204	86 778	47 921	-1 820	431	286	507 744	148 587	656 331	152 082	-3 495	-1 235	503 014	
2018 Q1	316 885	14 155	92 555	85 609	47 711	-96	-2 849	-463	508 645	148 657	657 302	151 831	-3 174	-1 276	504 195	
Percentage change, latest year on previous year																
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHYP	
2014	2.1	1.1	2.2	7.2	5.2			3.4	2.3	3.1	3.8				2.9	
2015	2.7	-0.3	1.4	3.4	3.7			2.7	4.4	3.1	5.5				2.3	
2016	3.2	0.8	0.8	2.3	-0.2			2.4	1.0	2.1	3.3				1.8	
2017	1.9	-0.5	-0.1	3.4	1.6			1.3	5.4	2.2	3.2				1.7	
Percentage change, latest quarter on previous quarter																
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHYQ	
2014 Q4	0.2	-0.4	-0.4	0.6	0.6			1.0	3.8	1.6	4.5				0.7	
2015 Q1	0.6	0.1	0.5	1.7	3.3			0.7	1.2	0.8	2.2				0.4	
Q2	0.9	0.5	0.9	1.2	-0.1			-0.3	0.8	-0.1	-2.1				0.6	
Q3	1.3	-0.9	0.6	-2.1	-2.5			0.8	-1.0	0.4	0.3				0.4	
Q4	0.1	0.2	-0.2	1.8	2.3			1.0	2.0	1.2	2.7				0.7	
2016 Q1	1.1	0.4	0.4	-	-1.7			0.4	-0.9	0.2	-0.4				0.3	
Q2	0.8	0.7	-0.1	1.6	0.9			0.1	0.9	0.3	0.6				0.2	
Q3	1.2	-	-	1.5	1.5			2.2	-3.2	1.1	3.1				0.5	
Q4	-	0.5	-	-0.6	-1.0			-0.9	6.6	0.6	0.2				0.7	
2017 Q1	0.6	-0.2	-0.5	1.1	-0.2			0.5	0.8	0.6	0.9				0.4	
Q2	0.4	-0.7	0.5	1.6	1.7			0.2	0.6	0.3	0.4				0.2	
Q3	0.3	-0.7	-0.1	0.4	0.6			0.3	0.8	0.4	0.5				0.4	
Q4	0.3	0.1	0.4	0.8	0.2			-	1.0	0.2	-0.2				0.4	
2018 Q1	0.2	-0.3	0.4	-1.3	-0.4			0.2	-	0.1	-0.2				0.2	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR	
2014 Q4	2.1	-	1.4	5.0	4.2			2.4	6.8	3.4	4.3				3.1	
2015 Q1	2.3	-0.8	1.0	4.4	7.0			3.5	5.7	4.0	8.3				2.7	
Q2	2.7	0.4	1.2	5.3	4.0			2.9	4.2	3.2	5.9				2.4	
Q3	3.0	-0.6	1.6	1.3	1.2			2.2	4.8	2.8	4.9				2.1	
Q4	2.8	-0.1	1.8	2.5	2.9			2.2	3.1	2.4	3.0				2.2	
2016 Q1	3.3	0.2	1.7	0.8	-2.1			1.9	1.0	1.7	0.4				2.1	
Q2	3.3	0.4	0.7	1.1	-1.1			2.3	1.1	2.0	3.2				1.7	
Q3	3.2	1.2	0.2	4.9	2.9			3.7	-1.2	2.7	6.1				1.7	
Q4	3.1	1.5	0.4	2.5	-0.4			1.8	3.3	2.1	3.5				1.7	
2017 Q1	2.6	0.9	-0.6	3.6	1.2			1.9	5.0	2.6	4.8				1.8	
Q2	2.2	-0.4	-	3.6	2.0			2.0	4.6	2.6	4.6				1.8	
Q3	1.3	-1.1	-0.2	2.6	1.1			0.1	8.9	2.0	2.0				1.7	
Q4	1.5	-1.5	0.2	4.0	2.3			1.1	3.2	1.6	1.7				1.3	
2018 Q1	1.2	-1.6	1.2	1.5	2.0			0.8	2.4	1.1	0.6				1.2	

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2 Non-profit institutions serving households.

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4 Quarterly alignment adjustment included in this series.

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

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

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

D Gross domestic product by category of income: current prices¹

£ million

Gross operating surplus of corporations											
	Compensation of employees	Private non-financial corporations ²	Of which alignment adjustment	Financial corporations	Public corporations	Total ³	Other income ⁴	Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2014	899 969	338 165	–	59 371	16 550	414 086	305 856	1 619 911	224 384	–	1 844 295
2015	928 459	346 248	–	50 341	17 280	413 869	322 906	1 665 234	230 605	–	1 895 839
2016	963 406	357 702	–	56 980	17 625	432 307	333 887	1 729 600	239 924	–	1 969 524
2017	1 002 861	373 171	–	55 625	16 662	445 458	337 407	1 785 726	246 625	8 300	2 040 651
Seasonally adjusted											
2014 Q4	227 506	83 544	–919	15 345	4 080	102 962	77 638	408 106	56 880	–	464 986
2015 Q1	228 320	86 525	1 090	14 134	3 804	104 464	78 492	411 276	56 019	–	467 295
Q2	230 772	89 617	831	12 220	4 877	106 714	80 177	417 663	57 566	–	475 229
Q3	234 183	86 323	–1 054	10 294	4 400	101 016	81 855	417 054	58 487	–	475 541
Q4	235 184	83 783	–867	13 693	4 199	101 675	82 382	419 241	58 533	–	477 774
2016 Q1	233 322	92 810	1 912	13 640	3 929	110 376	82 608	426 306	59 020	–	485 326
Q2	240 398	86 104	–1 681	14 358	4 943	105 406	83 888	429 692	59 802	–	489 494
Q3	245 066	84 982	–1 987	15 582	4 428	104 992	83 782	433 840	59 890	–	493 730
Q4	244 620	93 806	1 756	13 400	4 325	111 533	83 609	439 762	61 212	–	500 974
2017 Q1	246 849	96 072	3 775	13 617	3 975	113 664	83 636	444 149	60 673	1 193	506 015
Q2	249 650	92 210	–1 205	13 949	4 763	110 922	84 204	444 776	61 582	1 869	508 227
Q3	251 800	91 320	–2 336	14 041	4 360	109 721	84 488	446 009	62 455	2 442	510 906
Q4	254 562	93 569	–234	14 018	3 564	111 151	85 079	450 792	61 915	2 796	515 503
2018 Q1	257 467	96 985	1 765	13 185	2 660	112 830	86 305	456 602	60 466	2 812	519 880
Percentage change, latest year on previous year											
	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2014	2.2	10.2		2.9	1.3	8.7	6.9	4.7	5.1		4.7
2015	3.2	2.4		–15.2	4.4	–0.1	5.6	2.8	2.8		2.8
2016	3.8	3.3		13.2	2.0	4.5	3.4	3.9	4.0		3.9
2017	4.1	4.3		–2.4	–5.5	3.0	1.1	3.2	2.8		3.6
Percentage change, latest quarter on previous quarter											
	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2014 Q4	0.6	–4.9		12.2	–2.7	–2.6	1.1	–0.2	1.6		0.1
2015 Q1	0.4	3.6		–7.9	–6.8	1.5	1.1	0.8	–1.5		0.5
Q2	1.1	3.6		–13.5	28.2	2.2	2.1	1.6	2.8		1.7
Q3	1.5	–3.7		–15.8	–9.8	–5.3	2.1	–0.1	1.6		0.1
Q4	0.4	–2.9		33.0	–4.6	0.7	0.6	0.5	0.1		0.5
2016 Q1	–0.8	10.8		–0.4	–6.4	8.6	0.3	1.7	0.8		1.6
Q2	3.0	–7.2		5.3	25.8	–4.5	1.5	0.8	1.3		0.9
Q3	1.9	–1.3		8.5	–10.4	–0.4	–0.1	1.0	0.1		0.9
Q4	–0.2	10.4		–14.0	–2.3	6.2	–0.2	1.4	2.2		1.5
2017 Q1	0.9	2.4		1.6	–8.1	1.9	–	1.0	–0.9		1.0
Q2	1.1	–4.0		2.4	19.8	–2.4	0.7	0.1	1.5		0.4
Q3	0.9	–1.0		0.7	–8.5	–1.1	0.3	0.3	1.4		0.5
Q4	1.1	2.5		–0.2	–18.3	1.3	0.7	1.1	–0.9		0.9
2018 Q1	1.1	3.7		–5.9	–25.4	1.5	1.4	1.3	–2.3		0.8
Percentage change, latest quarter on corresponding quarter of previous year											
	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2014 Q4	2.1	6.2		0.3	7.1	5.3	7.1	3.8	4.1		3.9
2015 Q1	2.3	4.1		–0.5	9.6	3.6	5.2	3.2	1.2		3.0
Q2	3.4	7.2		–24.3	1.5	2.1	4.3	3.2	2.5		3.2
Q3	3.5	–1.8		–24.7	5.0	–4.5	6.6	2.0	4.5		2.3
Q4	3.4	0.3		–10.8	2.9	–1.2	6.1	2.7	2.9		2.8
2016 Q1	2.2	7.3		–3.5	3.3	5.7	5.2	3.7	5.4		3.9
Q2	4.2	–3.9		17.5	1.4	–1.2	4.6	2.9	3.9		3.0
Q3	4.6	–1.6		51.4	0.6	3.9	2.4	4.0	2.4		3.8
Q4	4.0	12.0		–2.1	3.0	9.7	1.5	4.9	4.6		4.9
2017 Q1	5.8	3.5		–0.2	1.2	3.0	1.2	4.2	2.8		4.3
Q2	3.8	7.1		–2.8	–3.6	5.2	0.4	3.5	3.0		3.8
Q3	2.7	7.5		–9.9	–1.5	4.5	0.8	2.8	4.3		3.5
Q4	4.1	–0.3		4.6	–17.6	–0.3	1.8	2.5	1.1		2.9
2018 Q1	4.3	1.0		–3.2	–33.1	–0.7	3.2	2.8	–0.3		2.7

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

2 Quarterly alignment adjustment included in this series.

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

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

E1 Household final consumption expenditure by purpose

Current prices

£ million

UK NATIONAL ²																
UK DOMESTIC ³																
COICOP ¹	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
	0	01	02	03	04	05	06	07	08	09	10	11	12			
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF	
2014	1 142 350	6 534	1 135 816	97 568	42 060	61 672	307 811	51 263	18 998	156 337	20 971	106 429	19 757	106 837	146 113	
2015	1 178 915	8 142	1 170 773	97 457	41 154	65 039	319 910	54 439	20 161	157 707	22 339	111 116	21 233	110 760	149 458	
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940	
2017	1 285 606	11 152	1 274 454	103 842	42 528	70 453	341 362	66 576	23 569	168 154	24 802	125 260	22 875	122 858	162 175	
Seasonally adjusted																
2014 Q4	289 004	2 059	286 945	24 382	10 458	15 649	77 490	13 100	4 721	39 237	5 337	26 913	5 092	26 864	37 702	
2015 Q1	290 220	2 190	288 030	24 160	10 390	15 712	79 128	13 407	4 743	38 168	5 455	27 107	5 179	27 165	37 416	
Q2	293 370	1 807	291 563	24 341	10 205	16 274	79 866	13 373	4 955	39 298	5 545	27 585	5 222	27 439	37 460	
Q3	296 059	1 987	294 072	24 396	10 241	16 506	80 938	13 577	5 065	39 913	5 585	27 963	5 277	27 903	36 708	
Q4	299 266	2 158	297 108	24 560	10 318	16 547	79 978	14 082	5 398	40 328	5 754	28 461	5 555	28 253	37 874	
2016 Q1	303 176	2 748	300 428	24 606	10 309	16 463	81 826	14 454	5 500	40 529	5 877	29 020	5 610	28 330	37 904	
Q2	306 925	3 293	303 632	24 477	10 463	16 218	82 552	14 737	5 458	40 817	5 929	29 647	5 616	28 973	38 745	
Q3	310 953	3 807	307 146	24 864	10 467	16 551	82 394	15 024	5 524	41 230	6 100	30 190	5 665	29 289	39 848	
Q4	314 193	3 587	310 606	24 866	10 355	16 907	83 485	15 662	5 614	41 497	6 089	30 267	5 652	29 769	40 443	
2017 Q1	318 682	3 206	315 476	25 394	10 418	17 292	83 993	16 156	5 753	42 928	6 096	31 071	5 678	30 440	40 257	
Q2	320 524	2 962	317 562	25 826	10 771	17 653	84 827	16 546	5 909	41 160	6 177	31 197	5 704	30 526	41 266	
Q3	321 493	2 268	319 225	26 122	10 677	17 784	85 968	16 982	5 962	41 718	6 258	31 385	5 733	30 866	39 770	
Q4	324 907	2 716	322 191	26 500	10 662	17 724	86 574	16 892	5 945	42 348	6 271	31 607	5 760	31 026	40 882	
2018 Q1	329 114	3 035	326 079	26 698	10 701	17 880	87 344	17 657	6 224	42 767	6 233	31 688	5 789	31 089	42 009	
Percentage change, latest year on previous year																
	KGJ7	KG6U	KG9N	KGJ3	KGJ9	KGJ7	KGJ5	KGJ6	KGJ4	KGK2	KGK8	KGK2	KGK8	KGK2	KGK8	
2014	4.0	4.1	1.1	0.5	6.0	2.5	4.9	3.5	3.8	-1.0	3.2	11.4	4.5	10.7		
2015	3.2	3.1	-0.1	-2.2	5.5	3.9	6.2	6.1	0.9	6.5	4.4	7.5	3.7	2.3		
2016	4.8	4.4	1.4	1.1	1.7	3.2	10.0	9.6	4.0	7.4	7.2	6.2	5.1	5.0		
2017	4.1	4.3	5.1	2.2	6.5	3.4	11.2	6.7	2.5	3.4	5.2	1.5	5.6	3.3		
Percentage change, quarter on previous quarter																
	KGJ8	KG74	KG9R	KGJ4	KGJ2	KGJ8	KGJ6	KGJ7	KGJ5	KGK3	KGK9	KGK3	KGK9	KGK3	KGK9	
2014 Q4	0.5	0.2	-0.4	-0.5	0.7	0.1	0.8	0.8	-0.8	1.5	-0.5	2.2	0.5	1.5		
2015 Q1	0.4	0.4	-0.9	-0.7	0.4	2.1	2.3	0.5	-2.7	2.2	0.7	1.7	1.1	-0.8		
Q2	1.1	1.2	0.7	-1.8	3.6	0.9	-0.3	4.5	3.0	1.6	1.8	0.8	1.0	0.1		
Q3	0.9	0.9	0.2	0.4	1.4	1.3	1.5	2.2	1.6	0.7	1.4	1.1	1.7	-2.0		
Q4	1.1	1.0	0.7	0.8	0.2	-1.2	3.7	6.6	1.0	3.0	1.8	5.3	1.3	3.2		
2016 Q1	1.3	1.1	0.2	-0.1	-0.5	2.3	2.6	1.9	0.5	2.1	2.0	1.0	0.3	0.1		
Q2	1.2	1.1	-0.5	1.5	-1.5	0.9	2.0	-0.8	0.7	0.9	2.2	0.1	2.3	2.2		
Q3	1.3	1.2	1.6	-	2.1	-0.2	1.9	1.2	1.0	2.9	1.8	0.9	1.1	2.8		
Q4	1.0	1.1	-	-1.1	2.2	1.3	4.2	1.6	0.6	-0.2	0.3	-0.2	1.6	1.5		
2017 Q1	1.4	1.6	2.1	0.6	2.3	0.6	3.2	2.5	3.4	0.1	2.7	0.5	2.3	-0.5		
Q2	0.6	0.7	1.7	3.4	2.1	1.0	2.4	2.7	-4.1	1.3	0.4	0.5	0.3	2.5		
Q3	0.3	0.5	1.1	-0.9	0.7	1.3	2.6	0.9	1.4	1.3	0.6	0.5	1.1	-3.6		
Q4	1.1	0.9	1.4	-0.1	-0.3	0.7	-0.5	-0.3	1.5	0.2	0.7	0.5	0.5	2.8		
2018 Q1	1.3	1.2	0.7	0.4	0.9	0.9	4.5	4.7	1.0	-0.6	0.3	0.5	0.2	2.8		
Percentage change, quarter on corresponding quarter of previous year																
	KGJ9	KG7C	KG9V	KGJ5	KGJ3	KGJ9	KGJ7	KGJ8	KGJ6	KGK4	KGK2	KGK4	KGK2	KGK4	KGK2	
2014 Q4	3.8	3.8	-0.5	-0.3	4.6	2.3	5.8	-4.2	3.1	-0.9	3.3	7.3	3.7	13.5		
2015 Q1	3.2	3.1	-1.2	-2.6	6.1	3.9	6.8	-1.9	-1.0	4.6	3.6	7.9	2.7	7.6		
Q2	3.1	3.0	0.3	-2.1	3.9	4.1	6.0	4.1	0.8	7.4	4.9	6.9	2.4	2.6		
Q3	3.0	2.7	-0.4	-2.6	6.2	4.5	4.5	8.1	0.9	6.3	3.4	6.0	4.4	-1.1		
Q4	3.6	3.5	0.7	-1.3	5.7	3.2	7.5	14.3	2.8	7.8	5.8	9.1	5.2	0.5		
2016 Q1	4.5	4.3	1.8	-0.8	4.8	3.4	7.8	16.0	6.2	7.7	7.1	8.3	4.3	1.3		
Q2	4.6	4.1	0.6	2.5	-0.3	3.4	10.2	10.2	3.9	6.9	7.5	7.5	5.6	3.4		
Q3	5.0	4.4	1.9	2.2	0.3	1.8	10.7	9.1	3.3	9.2	8.0	7.4	5.0	8.6		
Q4	5.0	4.5	1.2	0.4	2.2	4.4	11.2	4.0	2.9	5.8	6.3	1.7	5.4	6.8		
2017 Q1	5.1	5.0	3.2	1.1	5.0	2.6	11.8	4.6	5.9	3.7	7.1	1.2	7.4	6.2		
Q2	4.4	4.6	5.5	2.9	8.8	2.8	12.3	8.3	0.8	4.2	5.2	1.6	5.4	6.5		
Q3	3.4	3.9	5.1	2.0	7.4	4.3	13.0	7.9	1.2	2.6	4.0	1.2	5.4	-0.2		
Q4	3.4	3.7	6.6	3.0	4.8	3.7	7.9	5.9	2.1	3.0	4.4	1.9	4.2	1.1		
2018 Q1	3.3	3.4	5.1	2.7	3.4	4.0	9.3	8.2	-0.4	2.2	2.0	2.0	2.1	4.4		

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.

E2 Household final consumption expenditure (goods and services)

Current prices

£ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Total	Net tourism	Goods					
			Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
					D	SD	ND	S
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
2014	1 142 350	6 534	1 135 816	477 362	105 195	115 091	257 076	658 454
2015	1 178 915	8 142	1 170 773	485 138	112 074	120 697	252 367	685 635
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972
2017	1 285 606	11 152	1 274 454	532 186	133 325	132 345	266 516	742 268
Seasonally adjusted								
2014 Q4	289 004	2 059	286 945	119 785	26 996	29 062	63 727	167 160
2015 Q1	290 220	2 190	288 030	119 520	26 850	29 264	63 406	168 510
Q2	293 370	1 807	291 563	121 055	27 670	29 937	63 448	170 508
Q3	296 059	1 987	294 072	122 391	28 402	30 463	63 526	171 681
Q4	299 266	2 158	297 108	122 172	29 152	31 033	61 987	174 936
2016 Q1	303 176	2 748	300 428	124 328	30 621	30 717	62 990	176 100
Q2	306 925	3 293	303 632	124 933	31 070	30 614	63 249	178 699
Q3	310 953	3 807	307 146	125 853	31 442	30 881	63 530	181 293
Q4	314 193	3 587	310 606	127 726	31 779	31 284	64 663	182 880
2017 Q1	318 682	3 206	315 476	131 367	33 598	32 358	65 411	184 109
Q2	320 524	2 962	317 562	131 563	32 465	32 987	66 111	185 999
Q3	321 493	2 268	319 225	133 968	33 642	33 330	66 996	185 257
Q4	324 907	2 716	322 191	135 288	33 620	33 670	67 998	186 903
2018 Q1	329 114	3 035	326 079	137 002	34 393	33 757	68 852	189 077
Percentage change, latest year on previous year								
	KG77		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9
2014	4.0		4.1	2.0	7.3	3.3	-0.5	5.7
2015	3.2		3.1	1.6	6.5	4.9	-1.8	4.1
2016	4.8		4.4	3.6	11.5	2.3	0.8	4.9
2017	4.1		4.3	5.8	6.7	7.2	4.7	3.2
Percentage change, quarter on previous quarter								
	KG78		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2014 Q4	0.5		0.2	-0.3	2.4	-0.4	-1.4	0.6
2015 Q1	0.4		0.4	-0.2	-0.5	0.7	-0.5	0.8
Q2	1.1		1.2	1.3	3.1	2.3	0.1	1.2
Q3	0.9		0.9	1.1	2.6	1.8	0.1	0.7
Q4	1.1		1.0	-0.2	2.6	1.9	-2.4	1.9
2016 Q1	1.3		1.1	1.8	5.0	-1.0	1.6	0.7
Q2	1.2		1.1	0.5	1.5	-0.3	0.4	1.5
Q3	1.3		1.2	0.7	1.2	0.9	0.4	1.5
Q4	1.0		1.1	1.5	1.1	1.3	1.8	0.9
2017 Q1	1.4		1.6	2.9	5.7	3.4	1.2	0.7
Q2	0.6		0.7	0.1	-3.4	1.9	1.1	1.0
Q3	0.3		0.5	1.8	3.6	1.0	1.3	-0.4
Q4	1.1		0.9	1.0	-0.1	1.0	1.5	0.9
2018 Q1	1.3		1.2	1.3	2.3	0.3	1.3	1.2
Percentage change, quarter on corresponding quarter of previous year								
	KG79		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2014 Q4	3.8		3.8	1.2	7.5	2.6	-1.9	5.8
2015 Q1	3.2		3.1	1.0	3.7	4.8	-1.8	4.6
Q2	3.1		3.0	1.7	6.6	3.4	-1.1	4.0
Q3	3.0		2.7	1.9	7.8	4.4	-1.7	3.3
Q4	3.6		3.5	2.0	8.0	6.8	-2.7	4.7
2016 Q1	4.5		4.3	4.0	14.0	5.0	-0.7	4.5
Q2	4.6		4.1	3.2	12.3	2.3	-0.3	4.8
Q3	5.0		4.4	2.8	10.7	1.4	-	5.6
Q4	5.0		4.5	4.5	9.0	0.8	4.3	4.5
2017 Q1	5.1		5.0	5.7	9.7	5.3	3.8	4.5
Q2	4.4		4.6	5.3	4.5	7.8	4.5	4.1
Q3	3.4		3.9	6.4	7.0	7.9	5.5	2.2
Q4	3.4		3.7	5.9	5.8	7.6	5.2	2.2
2018 Q1	3.3		3.4	4.3	2.4	4.3	5.3	2.7

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 2016, £ million

UK NATIONAL ²																
UK DOMESTIC ³																
COICOP ¹	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
	0	01	02	03	04	05	06	07	08	09	10	11	12			
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG	
2014	1 165 059	6 635	1 158 342	92 768	44 020	61 944	322 414	51 282	19 408	153 924	21 841	106 347	22 474	112 061	150 508	
2015	1 196 525	11 989	1 184 499	95 127	42 670	65 136	326 862	54 448	20 217	158 270	22 948	111 773	22 238	113 453	151 587	
2016	1 235 247	13 435	1 221 812	98 813	41 594	66 139	330 257	59 877	22 096	164 073	23 995	119 124	22 543	116 361	156 940	
2017	1 258 910	9 624	1 249 286	101 434	40 778	68 404	335 220	63 985	23 208	164 843	24 376	122 923	22 027	119 250	162 838	
Seasonally adjusted																
2014 Q4	293 549	2 147	291 367	23 355	10 827	15 700	80 575	13 183	4 783	39 066	5 563	26 938	5 402	27 878	38 159	
2015 Q1	295 287	2 816	292 455	23 454	10 790	15 796	81 669	13 344	4 782	38 487	5 629	27 147	5 494	28 081	37 894	
Q2	297 798	2 641	295 146	23 663	10 651	16 265	81 895	13 425	4 979	39 415	5 717	27 806	5 542	28 172	37 681	
Q3	301 636	3 643	298 001	23 859	10 630	16 520	82 330	13 555	5 059	40 037	5 754	28 167	5 575	28 512	38 059	
Q4	301 804	2 889	298 897	24 151	10 599	16 555	80 968	14 124	5 397	40 331	5 848	28 653	5 627	28 688	37 953	
2016 Q1	305 101	3 191	301 900	24 491	10 425	16 397	82 354	14 412	5 507	40 857	5 956	29 155	5 680	28 603	38 067	
Q2	307 595	3 527	304 074	24 488	10 554	16 277	82 738	14 782	5 473	40 841	5 954	29 637	5 689	29 047	38 618	
Q3	311 268	3 919	307 367	24 930	10 406	16 597	82 078	15 110	5 569	41 383	6 049	30 070	5 691	29 191	40 286	
Q4	311 283	2 798	308 471	24 904	10 209	16 868	83 087	15 573	5 547	40 992	6 036	30 262	5 483	29 520	39 969	
2017 Q1	313 173	2 629	310 544	25 152	10 154	16 966	83 048	15 611	5 748	41 910	6 031	30 671	5 509	29 684	40 060	
Q2	314 416	2 611	311 805	25 300	10 352	17 133	83 466	15 933	5 799	40 520	6 105	30 673	5 533	29 711	41 280	
Q3	315 224	2 137	313 087	25 467	10 195	17 170	84 194	16 125	5 834	41 209	6 112	30 734	5 548	29 928	40 571	
Q4	316 097	2 247	313 850	25 515	10 077	17 135	84 512	16 316	5 827	41 204	6 128	30 845	5 437	29 927	40 927	
2018 Q1	316 885	2 626	314 259	25 607	9 930	17 058	84 951	16 536	5 916	41 064	6 157	30 723	5 465	29 566	41 286	
Percentage change, latest year on previous year																
	KGZ5	KG7O	KG9Y	KGf6	KGG4	KGH2	KGH8	KGi9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8		
2014	2.1	1.9	1.4	-2.7	5.6	-0.4	4.2	1.4	4.1	-2.2	2.3	1.2	1.6	4.4		
2015	2.7	2.3	2.5	-3.1	5.2	1.4	6.2	4.2	2.8	5.1	5.1	-1.1	1.2	0.7		
2016	3.2	3.2	3.9	-2.5	1.5	1.0	10.0	9.3	3.7	4.6	6.6	1.4	2.6	3.5		
2017	1.9	2.2	2.7	-2.0	3.4	1.5	6.9	5.0	0.5	1.6	3.2	-2.3	2.5	3.8		
Percentage change, quarter on previous quarter																
	KGZ6	KG7R	KGA3	KGf7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9		
2014 Q4	0.2	-0.1	-	-1.7	0.3	-0.2	1.9	0.1	0.9	1.4	0.2	-6.4	-0.1	-1.1		
2015 Q1	0.6	0.4	0.4	-0.3	0.6	1.4	1.2	-	-1.5	1.2	0.8	1.7	0.7	-0.7		
Q2	0.9	0.9	0.9	-1.3	3.0	0.3	0.6	4.1	2.4	1.6	2.4	0.9	0.3	-0.6		
Q3	1.3	1.0	0.8	-0.2	1.6	0.5	1.0	1.6	1.6	0.6	1.3	0.6	1.2	1.0		
Q4	0.1	0.3	1.2	-0.3	0.2	-1.7	4.2	6.7	0.7	1.6	1.7	0.9	0.6	-0.3		
2016 Q1	1.1	1.0	1.4	-1.6	-1.0	1.7	2.0	2.0	1.3	1.8	1.8	0.9	-0.3	0.3		
Q2	0.8	0.7	-	1.2	-0.7	0.5	2.6	-0.6	-	-	1.7	0.2	1.6	1.4		
Q3	1.2	1.1	1.8	-1.4	2.0	-0.8	2.2	1.8	1.3	1.6	1.5	-	0.5	4.3		
Q4	-	0.4	-0.1	-1.9	1.6	1.2	3.1	-0.4	-0.9	-0.2	0.6	-3.7	1.1	-0.8		
2017 Q1	0.6	0.7	1.0	-0.5	0.6	-	0.2	3.6	2.2	-0.1	1.4	0.5	0.6	0.2		
Q2	0.4	0.4	0.6	1.9	1.0	0.5	2.1	0.9	-3.3	1.2	-	0.4	0.1	3.0		
Q3	0.3	0.4	0.7	-1.5	0.2	0.9	1.2	0.6	1.7	0.1	0.2	0.3	0.7	-1.7		
Q4	0.3	0.2	0.2	-1.2	-0.2	0.4	1.2	-0.1	-	0.3	0.4	-2.0	-	0.9		
2018 Q1	0.2	0.1	0.4	-1.5	-0.4	0.5	1.3	1.5	-0.3	0.5	-0.4	0.5	-1.2	0.9		
Percentage change, quarter on corresponding quarter of previous year																
	KGZ7	KG7U	KGA6	KGf8	KGG6	KGH4	KGi2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGf2		
2014 Q4	2.1	1.8	1.1	-2.8	4.7	-0.4	6.0	-6.3	5.2	-1.5	2.4	-2.4	0.5	5.3		
2015 Q1	2.3	2.0	1.8	-3.5	5.3	1.4	6.3	-3.9	1.7	4.1	3.5	-1.9	-	3.6		
Q2	2.7	2.3	2.8	-3.1	4.3	1.7	6.5	2.1	2.9	6.2	5.8	-2.8	-0.1	1.3		
Q3	3.0	2.2	2.2	-3.5	5.6	2.0	4.8	5.9	3.4	4.9	4.7	-3.4	2.1	-1.4		
Q4	2.8	2.6	3.4	-2.1	5.4	0.5	7.1	12.8	3.2	5.1	6.4	4.2	2.9	-0.5		
2016 Q1	3.3	3.2	4.4	-3.4	3.8	0.8	8.0	15.2	6.2	5.8	7.4	3.4	1.9	0.5		
Q2	3.3	3.0	3.5	-0.9	0.1	1.0	10.1	9.9	3.6	4.1	6.6	2.7	3.1	2.5		
Q3	3.2	3.1	4.5	-2.1	0.5	-0.3	11.5	10.1	3.4	5.1	6.8	2.1	2.4	5.9		
Q4	3.1	3.2	3.1	-3.7	1.9	2.6	10.3	2.8	1.6	3.2	5.6	-2.6	2.9	5.3		
2017 Q1	2.6	2.9	2.7	-2.6	3.5	0.8	8.3	4.4	2.6	1.3	5.2	-3.0	3.8	5.2		
Q2	2.2	2.5	3.3	-1.9	5.3	0.9	7.8	6.0	-0.8	2.5	3.5	-2.7	2.3	6.9		
Q3	1.3	1.9	2.2	-2.0	3.5	2.6	6.7	4.8	-0.4	1.0	2.2	-2.5	2.5	0.7		
Q4	1.5	1.7	2.5	-1.3	1.6	1.7	4.8	5.0	0.5	1.5	1.9	-0.8	1.4	2.4		
2018 Q1	1.2	1.2	1.8	-2.2	0.5	2.3	5.9	2.9	-2.0	2.1	0.2	-0.8	-0.4	3.1		

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.

E4 Household final consumption expenditure (goods and services)

Chained volume measures

Reference year 2016, £ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Goods							
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2014	1 165 059	6 635	1 158 342	465 187	103 764	114 501	246 665	693 832
2015	1 196 525	11 989	1 184 499	482 224	112 256	120 349	249 537	702 436
2016	1 235 247	13 435	1 221 812	502 840	124 912	123 496	254 432	718 972
2017	1 258 910	9 624	1 249 286	518 217	129 686	129 351	259 180	731 069
Seasonally adjusted								
2014 Q4	293 549	2 147	291 367	117 582	26 821	28 913	61 805	173 894
2015 Q1	295 287	2 816	292 455	118 465	26 894	29 200	62 326	174 067
Q2	297 798	2 641	295 146	120 115	27 825	29 880	62 388	175 070
Q3	301 636	3 643	298 001	121 689	28 450	30 388	62 833	176 325
Q4	301 804	2 889	298 897	121 955	29 087	30 881	61 990	176 974
2016 Q1	305 101	3 191	301 900	124 271	30 355	30 579	63 334	177 633
Q2	307 595	3 527	304 074	125 108	31 045	30 638	63 420	178 972
Q3	311 268	3 919	307 367	126 036	31 612	30 982	63 444	181 345
Q4	311 283	2 798	308 471	127 425	31 900	31 297	64 234	181 022
2017 Q1	313 173	2 629	310 544	128 746	32 783	31 842	64 121	181 798
Q2	314 416	2 611	311 805	128 520	31 575	32 345	64 600	183 285
Q3	315 224	2 137	313 087	130 059	32 461	32 485	65 113	183 028
Q4	316 097	2 247	313 850	130 892	32 867	32 679	65 346	182 958
2018 Q1	316 885	2 626	314 259	130 787	32 763	32 558	65 466	183 472
Percentage change, year on previous year								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2014	2.1		1.9	1.7	7.1	2.8	-0.9	2.0
2015	2.7		2.3	3.7	8.2	5.1	1.2	1.2
2016	3.2		3.2	4.3	11.3	2.6	2.0	2.4
2017	1.9		2.2	3.1	3.8	4.7	1.9	1.7
Percentage change, quarter on previous quarter								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2014 Q4	0.2		-0.1	0.5	3.0	-0.2	-0.2	-0.6
2015 Q1	0.6		0.4	0.8	0.3	1.0	0.8	0.1
Q2	0.9		0.9	1.4	3.5	2.3	0.1	0.6
Q3	1.3		1.0	1.3	2.2	1.7	0.7	0.7
Q4	0.1		0.3	0.2	2.2	1.6	-1.3	0.4
2016 Q1	1.1		1.0	1.9	4.4	-1.0	2.2	0.4
Q2	0.8		0.7	0.7	2.3	0.2	0.1	0.8
Q3	1.2		1.1	0.7	1.8	1.1	-	1.3
Q4	-		0.4	1.1	0.9	1.0	1.2	-0.2
2017 Q1	0.6		0.7	1.0	2.8	1.7	-0.2	0.4
Q2	0.4		0.4	-0.2	-3.7	1.6	0.7	0.8
Q3	0.3		0.4	1.2	2.8	0.4	0.8	-0.1
Q4	0.3		0.2	0.6	1.3	0.6	0.4	-
2018 Q1	0.2		0.1	-0.1	-0.3	-0.4	0.2	0.3
Percentage change, quarter on corresponding quarter of previous year								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2014 Q4	2.1		1.8	1.7	7.4	2.7	-0.9	1.9
2015 Q1	2.3		2.0	3.1	6.3	4.3	1.3	1.1
Q2	2.7		2.3	3.8	8.8	4.4	1.6	1.2
Q3	3.0		2.2	4.0	9.2	4.9	1.5	0.8
Q4	2.8		2.6	3.7	8.4	6.8	0.3	1.8
2016 Q1	3.3		3.2	4.9	12.9	4.7	1.6	2.0
Q2	3.3		3.0	4.2	11.6	2.5	1.7	2.2
Q3	3.2		3.1	3.6	11.1	2.0	1.0	2.8
Q4	3.1		3.2	4.5	9.7	1.3	3.6	2.3
2017 Q1	2.6		2.9	3.6	8.0	4.1	1.2	2.3
Q2	2.2		2.5	2.7	1.7	5.6	1.9	2.4
Q3	1.3		1.9	3.2	2.7	4.9	2.6	0.9
Q4	1.5		1.7	2.7	3.0	4.4	1.7	1.1
2018 Q1	1.2		1.2	1.6	-0.1	2.2	2.1	0.9

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 2016, £ million

	Analysis by sector								Analysis by asset					
	Public corporations ²				Private Sector									
	Business investment ¹	General government	Dwellings ³	Costs of transfer of ownership of non-produced assets	Dwellings ³	Costs of transfer of ownership of non-produced assets	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	Total
2014	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2014	180 608	51 999	8 424	671	56 287	15 416	313 472	15 894	66 763	64 712	104 825	62 036	313 472	
2015	187 355	51 660	8 241	694	60 677	15 347	324 016	21 785	64 208	68 917	109 223	60 130	324 016	
2016	187 031	52 100	8 404	726	66 170	17 013	331 442	25 854	61 628	74 572	108 718	60 669	331 442	
2017	190 073	53 085	8 435	766	72 513	17 963	342 835	23 255	61 914	80 948	114 434	62 284	342 835	
Seasonally adjusted														
2014 Q4	45 705	13 205	2 247	171	14 266	3 824	79 433	4 221	16 635	16 514	26 520	15 695	79 433	
2015 Q1	47 195	13 411	2 242	182	14 333	3 428	80 808	6 356	15 920	16 576	27 274	14 682	80 808	
Q2	47 152	13 297	1 911	157	15 422	3 813	81 764	5 474	16 076	17 332	27 670	15 273	81 764	
Q3	45 985	12 562	2 080	178	15 235	3 966	80 017	4 770	15 768	17 315	27 144	15 112	80 017	
Q4	47 023	12 390	2 008	177	15 687	4 140	81 427	5 185	16 444	17 694	27 135	15 063	81 427	
2016 Q1	46 221	12 243	2 062	150	16 191	4 543	81 415	6 230	15 135	18 253	26 771	15 042	81 415	
Q2	46 622	13 277	2 110	229	16 369	4 095	82 695	6 272	15 744	18 478	27 040	15 176	82 695	
Q3	47 330	13 605	2 109	168	16 674	4 024	83 909	7 151	15 167	18 783	27 600	15 174	83 909	
Q4	46 858	12 975	2 123	179	16 936	4 351	83 423	6 201	15 582	19 058	27 307	15 277	83 423	
2017 Q1	46 759	12 833	2 233	160	17 763	4 560	84 308	6 174	14 785	19 996	28 250	15 103	84 308	
Q2	47 550	13 468	2 250	232	17 786	4 396	85 682	6 255	15 670	20 036	28 379	15 342	85 682	
Q3	47 843	13 316	2 138	190	18 058	4 522	86 067	5 725	15 522	20 196	28 914	15 710	86 067	
Q4	47 921	13 468	1 814	184	18 906	4 485	86 778	5 101	15 937	20 720	28 891	16 129	86 778	
2018 Q1	47 711	12 628	1 471	160	19 181	4 458	85 609	5 620	15 715	20 652	27 638	15 984	85 609	
Percentage change, latest year on previous year														
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2014	5.2	8.7	15.5	24.0	8.7	14.9	7.2	45.3	10.6	9.5	3.4	0.5	7.2	
2015	3.7	-0.7	-2.2	3.4	7.8	-0.4	3.4	37.1	-3.8	6.5	4.2	-3.1	3.4	
2016	-0.2	0.9	2.0	4.6	9.1	10.9	2.3	18.7	-4.0	8.2	-0.5	0.9	2.3	
2017	1.6	1.9	0.4	5.5	9.6	5.6	3.4	-10.1	0.5	8.6	5.3	2.7	3.4	
Percentage change, latest quarter on previous quarter														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2014 Q4	0.6	3.2	1.8	-1.2	-0.6	-4.5	0.6	-0.6	-2.1	-0.3	1.9	2.4	0.6	
2015 Q1	3.3	1.6	-0.2	6.4	0.5	-10.4	1.7	50.6	-4.3	0.4	2.8	-6.5	1.7	
Q2	-0.1	-0.9	-14.8	-13.7	7.6	11.2	1.2	-13.9	1.0	4.6	1.5	4.0	1.2	
Q3	-2.5	-5.5	8.8	13.4	-1.2	4.0	-2.1	-12.9	-1.9	-0.1	-1.9	-1.1	-2.1	
Q4	2.3	-1.4	-3.5	-0.6	3.0	4.4	1.8	8.7	4.3	2.2	-	-0.3	1.8	
2016 Q1	-1.7	-1.2	2.7	-15.3	3.2	9.7	-	20.2	-8.0	3.2	-1.3	-0.1	-	
Q2	0.9	8.4	2.3	52.7	1.1	-9.9	1.6	0.7	4.0	1.2	1.0	0.9	1.6	
Q3	1.5	2.5	-	-26.6	1.9	-1.7	1.5	14.0	-3.7	1.7	2.1	-	1.5	
Q4	-1.0	-4.6	0.7	6.5	1.6	8.1	-0.6	-13.3	2.7	1.5	-1.1	0.7	-0.6	
2017 Q1	-0.2	-1.1	5.2	-10.6	4.9	4.8	1.1	-0.4	-5.1	4.9	3.5	-1.1	1.1	
Q2	1.7	4.9	0.8	45.0	0.1	-3.6	1.6	1.3	6.0	0.2	0.5	1.6	1.6	
Q3	0.6	-1.1	-5.0	-18.1	1.5	2.9	0.4	-8.5	-0.9	0.8	1.9	2.4	0.4	
Q4	0.2	1.1	-15.2	-3.2	4.7	-0.8	0.8	-10.9	2.7	2.6	-0.1	2.7	0.8	
2018 Q1	-0.4	-6.2	-18.9	-13.0	1.5	-0.6	-1.3	10.2	-1.4	-0.3	-4.3	-0.9	-1.3	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2014 Q4	4.2	4.5	25.1	14.8	5.9	2.4	5.0	33.9	6.7	8.2	0.6	1.0	5.0	
2015 Q1	7.0	-3.0	20.2	12.3	2.9	-3.2	4.4	88.8	-3.2	5.0	3.4	-6.4	4.4	
Q2	4.0	9.1	-9.2	-4.8	12.2	-5.8	5.3	34.8	-3.7	9.4	6.8	-0.3	5.3	
Q3	1.2	-1.8	-5.8	2.9	6.2	-0.9	1.3	12.3	-7.2	4.6	4.3	-1.4	1.3	
Q4	2.9	-6.2	-10.6	3.5	10.0	8.3	2.5	22.8	-1.1	7.1	2.3	-4.0	2.5	
2016 Q1	-2.1	-8.7	-8.0	-17.6	13.0	32.5	0.8	-2.0	-4.9	10.1	-1.8	2.5	0.8	
Q2	-1.1	-0.2	10.4	45.9	6.1	7.4	1.1	14.6	-2.1	6.6	-2.3	-0.6	1.1	
Q3	2.9	8.3	1.4	-5.6	9.4	1.5	4.9	49.9	-3.8	8.5	1.7	0.4	4.9	
Q4	-0.4	4.7	5.7	1.1	8.0	5.1	2.5	19.6	-5.2	7.7	0.6	1.4	2.5	
2017 Q1	1.2	4.8	8.3	6.7	9.7	0.4	3.6	-0.9	-2.3	9.5	5.5	0.4	3.6	
Q2	2.0	1.4	6.6	1.3	8.7	7.4	3.6	-0.3	-0.5	8.4	5.0	1.1	3.6	
Q3	1.1	-2.1	1.4	13.1	8.3	12.4	2.6	-19.9	2.3	7.5	4.8	3.5	2.6	
Q4	2.3	3.8	-14.6	2.8	11.6	3.1	4.0	-17.7	2.3	8.7	5.8	5.6	4.0	
2018 Q1	2.0	-1.6	-34.1	-	8.0	-2.2	1.5	-9.0	6.3	3.3	-2.2	5.8	1.5	

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 2016, £ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades		Other industries ³	Changes in inventories ³
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²		
Level of inventories held at end-December⁴ 2016	2 407	19 622	18 556	19 987	58 165	4 132	40 109	40 091	83 397	228 301
	FAEA	FBNF	FBNG	FBNH	DHBM	FAEB	FAJX	FBYN	DLWX	CAFU
2014	1 562	-71	1 208	1 521	2 657	-611	2 458	2 782	5 259	14 477
2015	1 510	1 581	705	815	3 101	-446	3 496	2 556	1 317	11 146
2016	-68	-1 071	732	-75	-414	109	483	-915	9 361	8 556
2017	-405	-180	1 599	1 190	2 609	-169	915	-1 584	-1 847	-481
Seasonally adjusted										
2014 Q4	897	-157	-159	679	363	-1 019	-3 273	1 053	4 224	2 606
2015 Q1	280	399	166	1 906	2 471	-197	2 181	2 296	-5 900	1 011
Q2	-145	1 187	-53	-457	678	-330	-1 556	522	4 015	3 154
Q3	884	-13	544	-62	468	-144	1 957	673	487	4 199
Q4	491	8	48	-572	-516	225	914	-935	2 715	2 782
2016 Q1	277	-189	86	82	-22	66	1 015	-765	1 373	1 881
Q2	-149	-528	-237	-418	-1 182	-103	71	87	1 479	347
Q3	272	-52	-22	137	62	-206	-489	-1 103	2 805	1 173
Q4	-468	-302	905	124	728	352	-114	866	3 704	5 155
2017 Q1	369	913	538	-517	934	457	797	-701	83	1 939
Q2	635	-387	561	103	277	-630	200	-271	-728	-517
Q3	-662	-292	689	935	1 332	-	-630	-83	-40	-83
Q4	-747	-414	-189	669	66	4	548	-529	-1 162	-1 820
2018 Q1	-164	732	-279	75	528	-265	1 546	1 373	-3 114	-96

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 (2016) 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	293 116	227 176	520 292	415 187	134 780	549 967	-122 071	92 396	-29 675
2015	286 752	232 858	519 610	404 562	142 032	546 594	-117 810	90 826	-26 984
2016	299 073	257 888	556 961	431 725	156 123	587 848	-132 652	101 765	-30 887
2017	338 871	277 039	615 910	476 319	165 477	641 796	-137 448	111 562	-25 886
Seasonally adjusted									
2014 Q4	73 488	58 288	131 776	107 403	33 567	140 970	-33 915	24 721	-9 194
2015 Q1	71 714	58 531	130 245	105 218	34 476	139 694	-33 504	24 055	-9 449
Q2	73 675	57 357	131 032	100 479	35 526	136 005	-26 804	21 831	-4 973
Q3	70 559	57 336	127 895	98 591	35 573	134 164	-28 032	21 763	-6 269
Q4	70 804	59 634	130 438	100 274	36 457	136 731	-29 470	23 177	-6 293
2016 Q1	70 403	60 998	131 401	101 443	36 659	138 102	-31 040	24 339	-6 701
Q2	73 778	62 266	136 044	104 321	37 941	142 262	-30 543	24 325	-6 218
Q3	74 148	64 314	138 462	112 681	39 521	152 202	-38 533	24 793	-13 740
Q4	80 744	70 310	151 054	113 280	42 002	155 282	-32 536	28 308	-4 228
2017 Q1	82 965	69 228	152 193	117 537	41 280	158 817	-34 572	27 948	-6 624
Q2	84 299	68 492	152 791	118 320	41 120	159 440	-34 021	27 372	-6 649
Q3	85 948	68 519	154 467	119 920	41 444	161 364	-33 972	27 075	-6 897
Q4	85 659	70 800	156 459	120 542	41 633	162 175	-34 883	29 167	-5 716
2018 Q1	87 027	69 419	156 446	118 237	42 052	160 289	-31 210	27 367	-3 843
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2014	-2.4	1.8	-0.6	-1.0	1.2	-0.5			
2015	-2.2	2.5	-0.1	-2.6	5.4	-0.6			
2016	4.3	10.7	7.2	6.7	9.9	7.5			
2017	13.3	7.4	10.6	10.3	6.0	9.2			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2014 Q4	1.6	3.6	2.5	4.3	0.3	3.3			
2015 Q1	-2.4	0.4	-1.2	-2.0	2.7	-0.9			
Q2	2.7	-2.0	0.6	-4.5	3.0	-2.6			
Q3	-4.2	-	-2.4	-1.9	0.1	-1.4			
Q4	0.3	4.0	2.0	1.7	2.5	1.9			
2016 Q1	-0.6	2.3	0.7	1.2	0.6	1.0			
Q2	4.8	2.1	3.5	2.8	3.5	3.0			
Q3	0.5	3.3	1.8	8.0	4.2	7.0			
Q4	8.9	9.3	9.1	0.5	6.3	2.0			
2017 Q1	2.8	-1.5	0.8	3.8	-1.7	2.3			
Q2	1.6	-1.1	0.4	0.7	-0.4	0.4			
Q3	2.0	-	1.1	1.4	0.8	1.2			
Q4	-0.3	3.3	1.3	0.5	0.5	0.5			
2018 Q1	1.6	-2.0	-	-1.9	1.0	-1.2			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2014 Q4	-	7.6	3.2	-0.1	0.5	-			
2015 Q1	-2.4	6.0	1.2	3.1	0.2	2.4			
Q2	-0.2	-0.1	-0.1	-2.3	6.5	-0.1			
Q3	-2.5	1.9	-0.6	-4.2	6.3	-1.7			
Q4	-3.7	2.3	-1.0	-6.6	8.6	-3.0			
2016 Q1	-1.8	4.2	0.9	-3.6	6.3	-1.1			
Q2	0.1	8.6	3.8	3.8	6.8	4.6			
Q3	5.1	12.2	8.3	14.3	11.1	13.4			
Q4	14.0	17.9	15.8	13.0	15.2	13.6			
2017 Q1	17.8	13.5	15.8	15.9	12.6	15.0			
Q2	14.3	10.0	12.3	13.4	8.4	12.1			
Q3	15.9	6.5	11.6	6.4	4.9	6.0			
Q4	6.1	0.7	3.6	6.4	-0.9	4.4			
2018 Q1	4.9	0.3	2.8	0.6	1.9	0.9			

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

H2 Exports and imports of goods and services

Chained volume measures

Reference year 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2014	284 057	244 347	527 797	398 337	140 870	539 475	-11 678
2015	302 991	248 177	551 228	415 878	153 347	569 120	-17 892
2016	299 073	257 888	556 961	431 725	156 123	587 848	-30 887
2017	319 165	267 769	586 934	449 333	157 552	606 885	-19 951
Seasonally adjusted							
2014 Q4	72 894	62 555	135 344	104 706	35 467	140 330	-4 986
2015 Q1	74 162	62 798	136 932	106 418	36 824	143 349	-6 417
Q2	76 669	61 258	138 061	102 034	38 422	140 387	-2 326
Q3	75 641	61 062	136 744	102 319	38 547	140 793	-4 049
Q4	76 519	63 059	139 491	105 107	39 554	144 591	-5 100
2016 Q1 ²	74 823	63 507	138 252	105 537	38 438	143 976	-5 724
Q2 ²	75 463	64 171	139 554	106 066	38 837	144 900	-5 346
Q3 ²	72 300	62 781	135 108	110 687	38 673	149 364	-14 256
Q4 ²	76 487	67 429	144 047	109 435	40 175	149 608	-5 561
2017 Q1	78 084	67 098	145 182	111 596	39 297	150 893	-5 711
Q2	79 782	66 203	145 985	112 461	39 087	151 548	-5 563
Q3	81 462	65 718	147 180	112 777	39 585	152 362	-5 182
Q4	79 837	68 750	148 587	112 499	39 583	152 082	-3 495
2018 Q1	81 478	67 179	148 657	111 453	40 378	151 831	-3 174
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2014	2.6	1.9	2.3	3.6	4.5	3.8	
2015	6.7	1.6	4.4	4.4	8.9	5.5	
2016	-1.3	3.9	1.0	3.8	1.8	3.3	
2017	6.7	3.8	5.4	4.1	0.9	3.2	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2014 Q4	3.6	3.8	3.8	5.8	0.8	4.5	
2015 Q1	1.7	0.4	1.2	1.6	3.8	2.2	
Q2	3.4	-2.5	0.8	-4.1	4.3	-2.1	
Q3	-1.3	-0.3	-1.0	0.3	0.3	0.3	
Q4	1.2	3.3	2.0	2.7	2.6	2.7	
2016 Q1	-2.2	0.7	-0.9	0.4	-2.8	-0.4	
Q2	0.9	1.0	0.9	0.5	1.0	0.6	
Q3	-4.2	-2.2	-3.2	4.4	-0.4	3.1	
Q4	5.8	7.4	6.6	-1.1	3.9	0.2	
2017 Q1	2.1	-0.5	0.8	2.0	-2.2	0.9	
Q2	2.2	-1.3	0.6	0.8	-0.5	0.4	
Q3	2.1	-0.7	0.8	0.3	1.3	0.5	
Q4	-2.0	4.6	1.0	-0.2	-	-0.2	
2018 Q1	2.1	-2.3	-	-0.9	2.0	-0.2	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2014 Q4	6.3	7.3	6.8	4.5	3.9	4.3	
2015 Q1	5.9	5.2	5.7	10.1	3.3	8.3	
Q2	8.3	-1.0	4.2	4.1	11.2	5.9	
Q3	7.6	1.4	4.8	3.4	9.5	4.9	
Q4	5.0	0.8	3.1	0.4	11.5	3.0	
2016 Q1	0.9	1.1	1.0	-0.8	4.4	0.4	
Q2	-1.6	4.8	1.1	4.0	1.1	3.2	
Q3	-4.4	2.8	-1.2	8.2	0.3	6.1	
Q4	-	6.9	3.3	4.1	1.6	3.5	
2017 Q1	4.4	5.7	5.0	5.7	2.2	4.8	
Q2	5.7	3.2	4.6	6.0	0.6	4.6	
Q3	12.7	4.7	8.9	1.9	2.4	2.0	
Q4	4.4	2.0	3.2	2.8	-1.5	1.7	
2018 Q1	4.3	0.1	2.4	-0.1	2.8	0.6	

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

Gross value added at basic prices: individual measures

	£ million				Index numbers (2016 = 100) ³				
	Expenditure-based estimate at chained volume measures	At current prices			Value indices at current prices		Chained volume indices		
		Expenditure-based estimate	Income-based estimate	Residual error ¹	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate ²	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2014	1 680 700	1 645 955	1 645 955	–	93.7	93.7	95.7	95.7	95.7
2015	1 723 523	1 692 039	1 692 039	–	96.4	96.4	98.1	98.1	98.1
2016	1 756 045	1 756 045	1 756 045	–	100.0	100.0	100.0	100.0	100.0
2017	1 793 349	1 823 760	1 811 454	12 306	103.9	103.2	102.1	101.4	102.1
Seasonally adjusted									
2014 Q4	426 125	414 675	414 675	–	94.5	94.5	97.1	97.1	97.1
2015 Q1	427 535	417 518	417 518	–	95.1	95.1	97.4	97.4	97.4
Q2	430 425	424 503	424 503	–	96.7	96.7	98.0	98.0	98.0
Q3	431 718	423 920	423 920	–	96.6	96.6	98.3	98.3	98.3
Q4	433 845	426 098	426 098	–	97.1	97.1	98.8	98.8	98.8
2016 Q1	435 169	432 659	432 659	–	98.6	98.6	99.1	99.1	99.1
Q2	437 116	436 513	436 513	–	99.4	99.4	99.6	99.6	99.6
Q3	439 892	440 577	440 577	–	100.4	100.4	100.2	100.2	100.2
Q4	443 868	446 296	446 296	–	101.7	101.7	101.1	101.1	101.1
2017 Q1	446 142	451 903	450 076	1 827	102.9	102.5	101.6	101.2	101.6
Q2	447 362	454 331	451 515	2 816	103.5	102.8	101.9	101.3	101.9
Q3	449 084	456 225	452 624	3 601	103.9	103.1	102.3	101.5	102.3
Q4	450 761	461 301	457 239	4 062	105.1	104.2	102.7	101.8	102.7
2018 Q1	451 860	466 781	462 653	4 128	106.3	105.4	102.9	102.0	103.0
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2014	3.4	4.6	4.6		4.6	4.6	3.4	3.4	3.4
2015	2.5	2.8	2.8		2.8	2.8	2.5	2.5	2.5
2016	1.9	3.8	3.8		3.8	3.8	1.9	1.9	1.9
2017	2.1	3.9	3.2		3.9	3.2	2.1	1.4	2.1
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2014 Q4	0.9	–0.2	–0.2		–0.2	–0.2	0.9	0.9	0.9
2015 Q1	0.3	0.7	0.7		0.7	0.7	0.3	0.3	0.3
Q2	0.7	1.7	1.7		1.7	1.7	0.7	0.7	0.7
Q3	0.3	–0.1	–0.1		–0.1	–0.1	0.3	0.3	0.3
Q4	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5
2016 Q1	0.3	1.5	1.5		1.5	1.5	0.3	0.3	0.3
Q2	0.4	0.9	0.9		0.9	0.9	0.4	0.4	0.4
Q3	0.6	0.9	0.9		0.9	0.9	0.6	0.6	0.6
Q4	0.9	1.3	1.3		1.3	1.3	0.9	0.9	0.9
2017 Q1	0.5	1.3	0.8		1.3	0.8	0.5	0.1	0.5
Q2	0.3	0.5	0.3		0.5	0.3	0.3	0.1	0.3
Q3	0.4	0.4	0.2		0.4	0.2	0.4	0.2	0.4
Q4	0.4	1.1	1.0		1.1	1.0	0.4	0.3	0.4
2018 Q1	0.2	1.2	1.2		1.2	1.2	0.2	0.2	0.2
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2014 Q4	4.0	3.8	3.8		3.8	3.8	4.0	4.0	4.0
2015 Q1	3.3	3.2	3.2		3.2	3.2	3.3	3.3	3.3
Q2	2.9	3.3	3.3		3.3	3.3	2.9	2.9	2.9
Q3	2.2	2.0	2.0		2.0	2.0	2.2	2.2	2.2
Q4	1.8	2.8	2.8		2.8	2.8	1.8	1.8	1.8
2016 Q1	1.8	3.6	3.6		3.6	3.6	1.8	1.8	1.8
Q2	1.6	2.8	2.8		2.8	2.8	1.6	1.6	1.6
Q3	1.9	3.9	3.9		3.9	3.9	1.9	1.9	1.9
Q4	2.3	4.7	4.7		4.7	4.7	2.3	2.3	2.3
2017 Q1	2.5	4.4	4.0		4.4	4.0	2.5	2.1	2.5
Q2	2.3	4.1	3.4		4.1	3.4	2.3	1.7	2.3
Q3	2.1	3.6	2.7		3.6	2.7	2.1	1.3	2.1
Q4	1.6	3.4	2.5		3.4	2.5	1.6	0.7	1.6
2018 Q1	1.3	3.3	2.8		3.3	2.8	1.3	0.8	1.3

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

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

3 The growth rates of index numbers are calculated using unrounded data.

M Alignment adjustments

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
Seasonally adjusted			
2014 Q4	DMUN 877	DMUM 901	DMUQ -919
2015 Q1	1 832	1 878	1 090
Q2	223	223	831
Q3	-1 721	-1 757	-1 054
Q4	-334	-345	-867
2016 Q1	-84	-86	1 912
Q2	-900	-903	-1 681
Q3	1 981	1 977	-1 987
Q4	-997	-988	1 756
2017 Q1	-911	-897	3 775
Q2	-1 388	-1 362	-1 205
Q3	1 860	1 828	-2 336
Q4	439	431	-234
2018 Q1	-2 939	-2 849	1 765

N Selected financial year variables 1,2

£ millions except deflator index which is 2017/18 = 100

	Current prices					Chained Volume Measures (reference year 2016)				
	Gross domestic product at market prices	Gross domestic product at market prices non seasonally adjusted	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Gross domestic product at market prices	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Implied GDP deflator at market prices ^{3 4}
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2014/15	1 857 707	1 855 049	1 658 747	357 598	50 607	1 902 961	1 694 186	361 079	51 589	95.4108
2015/16	1 913 870	1 912 472	1 707 180	362 579	49 784	1 944 905	1 731 157	366 806	50 492	96.1733
2016/17	1 990 213	1 989 162	1 774 655	369 097	53 127	1 978 205	1 766 394	367 432	52 690	98.3229
2017/18	2 054 516	2 056 207	1 833 950	374 541	54 237	2 007 918	1 794 488	368 533	52 880	100.0000
Seasonally adjusted										
2014 Q4	464 986	470 592	414 675	89 814	13 016	477 615	426 125	90 023	13 205	95.1494
2015 Q1	467 295	469 120	417 518	90 075	13 342	479 734	427 535	90 461	13 411	95.1995
Q2	475 229	469 103	424 503	89 420	13 002	482 464	430 425	91 291	13 297	96.2680
Q3	475 541	472 366	423 920	91 090	12 360	484 552	431 718	91 806	12 562	95.9161
Q4	477 774	485 250	426 098	90 443	12 294	488 153	433 845	91 665	12 390	95.6557
2016 Q1	485 326	485 753	432 659	91 626	12 128	489 736	435 169	92 044	12 243	96.8536
Q2	489 494	486 658	436 513	91 550	13 111	490 502	437 116	91 959	13 277	97.5328
Q3	493 730	490 693	440 577	92 032	13 460	492 816	439 892	91 968	13 605	97.9149
Q4	500 974	506 420	446 296	92 766	13 401	496 470	443 868	92 003	12 975	98.6203
2017 Q1	506 015	505 391	451 269	92 749	13 155	498 417	445 518	91 502	12 833	99.2235
Q2	508 227	505 103	453 384	93 470	13 616	499 477	446 431	91 950	13 468	99.4458
Q3	510 906	508 066	455 066	92 932	13 594	501 232	447 947	91 824	13 316	99.6200
Q4	515 503	522 091	460 035	93 481	13 869	503 014	449 526	92 204	13 468	100.1602
2018 Q1	519 880	520 947	465 465	94 658	13 158	504 195	450 584	92 555	12 628	100.7740
Percentage change, latest financial year on previous financial year										
2014/15	4.2	4.1	4.3	2.2	3.3	2.9	3.5	1.9	1.5	1.3
2015/16	3.0	3.1	2.9	1.4	-1.6	2.2	2.2	1.6	-2.1	0.8
2016/17	4.0	4.0	4.0	1.8	6.7	1.7	2.0	0.2	4.4	2.2
2017/18	3.2	3.4	3.3	1.5	2.1	1.5	1.6	0.3	0.4	1.7
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2014 Q4	0.1	2.4	-0.2	-0.3	4.5	0.7	0.9	-0.4	3.2	-0.6
2015 Q1	0.5	-0.3	0.7	0.3	2.5	0.4	0.3	0.5	1.6	0.1
Q2	1.7	-	1.7	-0.7	-2.5	0.6	0.7	0.9	-0.9	1.1
Q3	0.1	0.7	-0.1	1.9	-4.9	0.4	0.3	0.6	-5.5	-0.4
Q4	0.5	2.7	0.5	-0.7	-0.5	0.7	0.5	-0.2	-1.4	-0.3
2016 Q1	1.6	0.1	1.5	1.3	-1.4	0.3	0.3	0.4	-1.2	1.3
Q2	0.9	0.2	0.9	-0.1	8.1	0.2	0.4	-0.1	8.4	0.7
Q3	0.9	0.8	0.9	0.5	2.7	0.5	0.6	-	2.5	0.4
Q4	1.5	3.2	1.3	0.8	-0.4	0.7	0.9	-	-4.6	0.7
2017 Q1	1.0	-0.2	1.1	-	-1.8	0.4	0.4	-0.5	-1.1	0.6
Q2	0.4	-0.1	0.5	0.8	3.5	0.2	0.2	0.5	4.9	0.2
Q3	0.5	0.6	0.4	-0.6	-0.2	0.4	0.3	-0.1	-1.1	0.2
Q4	0.9	2.8	1.1	0.6	2.0	0.4	0.4	0.4	1.1	0.5
2018 Q1	0.8	-0.2	1.2	1.3	-5.1	0.2	0.2	0.4	-6.2	0.6
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2014 Q4	3.9	3.9	3.8	1.6	6.4	3.1	4.0	1.4	4.5	0.8
2015 Q1	3.0	2.3	3.2	0.6	-1.4	2.7	3.3	1.0	-3.0	0.3
Q2	3.2	3.0	3.3	2.0	10.3	2.4	2.9	1.2	9.1	0.7
Q3	2.3	2.7	2.0	1.1	-0.8	2.1	2.2	1.6	-1.8	0.2
Q4	2.8	3.1	2.8	0.7	-5.5	2.2	1.8	1.8	-6.2	0.5
2016 Q1	3.9	3.5	3.6	1.7	-9.1	2.1	1.8	1.7	-8.7	1.7
Q2	3.0	3.7	2.8	2.4	0.8	1.7	1.6	0.7	-0.2	1.3
Q3	3.8	3.9	3.9	1.0	8.9	1.7	1.9	0.2	8.3	2.1
Q4	4.9	4.4	4.7	2.6	9.0	1.7	2.3	0.4	4.7	3.1
2017 Q1	4.3	4.0	4.3	1.2	8.5	1.8	2.4	-0.6	4.8	2.4
Q2	3.8	3.8	3.9	2.1	3.9	1.8	2.1	-	1.4	2.0
Q3	3.5	3.5	3.3	1.0	1.0	1.7	1.8	-0.2	-2.1	1.7
Q4	2.9	3.1	3.1	0.8	3.5	1.3	1.3	0.2	3.8	1.6
2018 Q1	2.7	3.1	3.1	2.1	-	1.2	1.1	1.2	-1.6	1.6

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

2 All data are seasonally adjusted unless otherwise specified.

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

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

Selected implied deflators¹

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	96.4107	95.7155	96.3028
2015	96.3315	96.1325	96.5371
2016	97.8479	98.1107	98.3314
2017	100.0000	100.0000	100.0000
Seasonally adjusted			
2014 Q4	96.1001	95.5197	95.6921
2015 Q1	95.9058	95.5700	96.0304
Q2	96.9091	96.6427	96.9814
Q3	96.4893	96.2894	96.5582
Q4	96.0216	96.0279	96.5785
2016 Q1	97.1812	97.2305	97.7672
Q2	97.8239	97.9123	98.1987
Q3	97.9708	98.2959	98.4875
Q4	98.4157	99.0041	98.8723
2017 Q1	99.5024	99.6096	99.6037
Q2	99.7558	99.8328	99.8659
Q3	100.0505	100.0076	99.8972
Q4	100.6914	100.5500	100.6332
2018 Q1	101.0043	101.1662	101.5820
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2014	1.2	1.7	1.2
2015	-0.1	0.4	0.2
2016	1.6	2.1	1.9
2017	2.2	1.9	1.7
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2014 Q4	-0.6	-0.6	-1.1
2015 Q1	-0.2	0.1	0.4
Q2	1.0	1.1	1.0
Q3	-0.4	-0.4	-0.4
Q4	-0.5	-0.3	-
2016 Q1	1.2	1.3	1.2
Q2	0.7	0.7	0.4
Q3	0.2	0.4	0.3
Q4	0.5	0.7	0.4
2017 Q1	1.1	0.6	0.7
Q2	0.3	0.2	0.3
Q3	0.3	0.2	-
Q4	0.6	0.5	0.7
2018 Q1	0.3	0.6	0.9
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2014 Q4	0.4	0.8	-0.2
2015 Q1	-0.2	0.3	-0.1
Q2	0.2	0.7	0.3
Q3	-0.2	0.2	-0.2
Q4	-0.1	0.5	0.9
2016 Q1	1.3	1.7	1.8
Q2	0.9	1.3	1.3
Q3	1.5	2.1	2.0
Q4	2.5	3.1	2.4
2017 Q1	2.4	2.4	1.9
Q2	2.0	2.0	1.7
Q3	2.1	1.7	1.4
Q4	2.3	1.6	1.8
2018 Q1	1.5	1.6	2.0

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 2016)	
		Gross domestic product at market prices ³	Gross domestic product per head	Gross domestic product at market prices ³	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2014	64 597	1 844 295	28 551	1 890 493	29 266
2015	65 110	1 895 839	29 117	1 934 903	29 717
2016	65 648	1 969 524	30 001	1 969 524	30 001
2017	66 040	2 040 651	30 900	2 002 140	30 317
Seasonally adjusted					
2014 Q4	64 854	464 986	7 170	477 615	7 364
2015 Q1	64 982	467 295	7 191	479 734	7 383
Q2	65 110	475 229	7 299	482 464	7 410
Q3	65 245	475 541	7 289	484 552	7 427
Q4	65 379	477 774	7 308	488 153	7 467
2016 Q1	65 514	485 326	7 408	489 736	7 475
Q2	65 648	489 494	7 456	490 502	7 472
Q3	65 746	493 730	7 510	492 816	7 496
Q4	65 844	500 974	7 608	496 470	7 540
2017 Q1	65 942	506 015	7 674	498 417	7 558
Q2	66 040	508 227	7 696	499 477	7 563
Q3	66 146	510 906	7 724	501 232	7 578
Q4	66 253	515 503	7 781	503 014	7 592
2018 Q1	66 359	519 880	7 834	504 195	7 598
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2014		4.7	3.9	2.9	2.2
2015		2.8	2.0	2.3	1.5
2016		3.9	3.0	1.8	1.0
2017		3.6	3.0	1.7	1.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2014 Q4		0.1	-0.1	0.7	0.5
2015 Q1		0.5	0.3	0.4	0.3
Q2		1.7	1.5	0.6	0.4
Q3		0.1	-0.1	0.4	0.2
Q4		0.5	0.3	0.7	0.5
2016 Q1		1.6	1.4	0.3	0.1
Q2		0.9	0.6	0.2	-
Q3		0.9	0.7	0.5	0.3
Q4		1.5	1.3	0.7	0.6
2017 Q1		1.0	0.9	0.4	0.2
Q2		0.4	0.3	0.2	0.1
Q3		0.5	0.4	0.4	0.2
Q4		0.9	0.7	0.4	0.2
2018 Q1		0.8	0.7	0.2	0.1
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2014 Q4		3.9	3.1	3.1	2.3
2015 Q1		3.0	2.1	2.7	1.9
Q2		3.2	2.3	2.4	1.6
Q3		2.3	1.5	2.1	1.3
Q4		2.8	1.9	2.2	1.4
2016 Q1		3.9	3.0	2.1	1.2
Q2		3.0	2.2	1.7	0.8
Q3		3.8	3.0	1.7	0.9
Q4		4.9	4.1	1.7	1.0
2017 Q1		4.3	3.6	1.8	1.1
Q2		3.8	3.2	1.8	1.2
Q3		3.5	2.8	1.7	1.1
Q4		2.9	2.3	1.3	0.7
2018 Q1		2.7	2.1	1.2	0.5

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 28 June 2018

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

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	8 793	7 233	7 102	6 213	3 013
less Basic price adjustment	KB7E	—	—	—	—6	—8
Gross value added at basic prices	KB7F	8 793	7 233	7 102	6 219	3 021
Gross domestic product: expenditure at current prices (Table C1)						
National expenditure on goods and services at market prices						
Households	KB7K	—772	—1 569	—2 953	—110	3 568
Non-profit institutions serving households	KB7L	—34	—366	—48	321	386
General government	KB7M	—1 489	—1 913	—1 034	—1 686	—2 472
Gross fixed capital formation	KB7N	4 198	4 782	6 243	7 681	7 443
Changes in inventories	KB7O	—	—703	—766	842	2 303
Acquisitions less disposals of valuables	KB7P	559	—154	274	—1 822	—2 020
Total	KB7Q	2 462	77	1 716	5 226	9 208
Total exports	KB7R	3 613	1 367	2 449	2 223	—6 153
Total imports	KB7S	—2 718	—5 789	—2 937	—7 567	—8 887
Statistical discrepancy (expenditure)	KB7T	—	—	—	—8 803	—8 929
Gross domestic product: income at current prices (Table D)						
Compensation of employees	KB7U	—2 819	—2 325	—1 747	—5 492	—5 774
Gross operating surplus of corporations	KB7V	11 101	8 615	7 228	15 084	11 663
Other income	KB7W	8	240	882	—1 104	—4 285
Gross value added at factor cost	KB7X	8 290	6 530	6 363	8 488	1 604
Taxes on products & production less Subsidies	KB7Y	503	703	739	356	436
Statistical discrepancy (income)	KB7Z	—	—	—	—2 631	973

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	—0.2	—	—0.1	—0.1
Percentage changes in volume of GVA output components (Table B1)						
GVA at basic prices						
Agriculture, forestry and fishing	KB83	—0.1	—	—0.1	—	3.3
Mining and quarrying inc oil & gas extraction	KB84	—	—	—0.1	0.3	0.8
Manufacturing	KB85	—	—	—	—0.5	—
Electricity, gas, steam and air	KB86	0.1	—0.2	—	—0.5	—0.9
Water supply, sewerage	KNT7	—	0.1	—	0.4	0.4
Total Production	KB87	—	—	—	—0.3	—0.1
Construction	KB88	—	—0.2	—	0.2	1.4
Distribution, hotels and restaurants	KB89	—	—0.3	—0.2	—0.9	0.3
Transport storage and communications	KB8A	0.1	0.1	0.1	—1.3	0.7
Business services and finance	KB8B	0.2	0.2	0.1	0.6	0.9
Government and other services	KB8C	—0.2	—0.2	—	—0.6	0.1
Total services	KB8D	—0.1	—0.2	0.1	—0.6	0.3
Total GVA	KB8E	—0.1	—0.1	—	0.2	0.1
Total GVA excluding Oil	KB8F	—	—0.2	0.1	0.2	0.1
Percentage changes in volume of GDP expenditure components (Table C2)						
National expenditure on goods and services at market prices						
Households	KB8G	0.1	—0.1	—	0.1	0.2
Non-profit institutions serving households	KB8H	0.1	—0.4	0.5	0.9	—0.5
General government	KB8I	—0.4	—0.3	0.8	—	—0.2
Gross fixed capital formation	KB8J	—	0.1	0.6	0.5	—0.6
Total	KB8K	—0.2	—0.2	0.3	0.2	—0.1
Total exports	KB8L	0.7	—0.4	—0.6	—1.3	—0.3
Total imports	KB8M	0.1	—0.7	0.4	—1.5	—

Revisions Analysis¹

Revisions since previously published estimates

continued

£ million

		2014	2015	2015	2015	2015	2016	2016	2016	2016	2017	2017	2017	2017	2018
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
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	1 282	966	1 628	1 970	2 538	3 100	1 555	344	1 214	2 070	1 375	-743	311	2 967
less Basic price adjustment	KB7E	-25	40	-165	176	-51	-53	3	26	18	263	197	-114	-354	32
Gross value added at basic prices	KB7F	1 307	926	1 793	1 794	2 589	3 153	1 552	318	1 196	1 807	1 178	-629	665	2 935
Gross domestic product:															
expenditure at current prices (Table C1)															
National expenditure on goods and services															
at market prices															
Households	KB7K	227	-1 032	-428	-856	-637	603	-208	-290	-215	935	1 361	359	913	2 982
Non-profit institutions serving households	KB7L	-62	-12	18	-	-54	-31	-3	138	217	198	112	40	36	156
General government	KB7M	-14	202	-1 323	-174	261	-40	-750	-576	-320	-512	-527	-736	-697	-597
Gross fixed capital formation	KB7N	1 821	632	1 003	1 806	2 802	1 711	1 873	2 288	1 809	2 489	1 681	1 490	1 783	282
Changes in inventories	KB7O	-1 204	659	1 555	-631	-2 349	-148	1 929	-732	-207	-167	1 277	2 096	-903	-695
Acquisitions less disposals of valuables	KB7P	68	-107	-44	-132	557	-438	-404	-525	-455	-462	-399	-313	-846	-1 097
Total	KB7Q	836	342	781	13	580	1 657	2 437	303	829	2 481	3 505	2 936	286	1 031
Total exports	KB7R	-327	626	308	628	887	1 443	-755	-142	1 677	939	-1 602	-3 813	-1 677	264
Total imports	KB7S	-773	2	-539	-1 329	-1 071	-1 614	-2 164	-2 735	-1 054	-1 381	-1 802	-2 104	-3 600	-3 612
Statistical discrepancy (expenditure)	KB7T	-	-	-	-	-	-1 614	-2 291	-2 552	-2 346	-2 731	-2 330	-1 970	-1 898	-1 940
Gross domestic product:															
income at current prices (Table D)															
Compensation of employees	KB7U	-1 169	-1 507	-985	882	-137	-2 529	-1 216	138	-1 885	-2 099	-1 691	-1 496	-488	-1 786
Gross operating surplus of corporations	KB7V	2 118	2 311	2 523	668	1 726	5 430	3 164	1 448	5 042	4 810	3 715	1 341	1 797	4 931
Other income	KB7W	164	-60	101	60	781	473	45	-587	-1 035	-861	-1 031	-982	-1 411	-610
Gross value added at factor cost	KB7X	1 113	744	1 639	1 610	2 370	3 374	1 993	999	2 122	1 850	993	-1 137	-102	2 535
Taxes on products & production less Subsidies	KB7Y	169	222	-11	360	168	46	98	106	106	375	248	3	-190	-161
Statistical discrepancy (income)	KB7Z	-	-	-	-	-	-320	-536	-761	-1 014	-155	134	391	603	593

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

		2014	2015	2015	2015	2015	2016	2016	2016	2016	2017	2017	2017	2017	2018
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Latest less previously published growth rates															
for GDP in chained volume terms															
Percentage changes in volume of GDP (Table A2)															
Gross domestic product chained volume measures															
Quarter on quarter growth	KB82	-0.1	0.1	-	-	-	0.1	-0.3	-	-	0.1	-	-0.1	-	0.1
Quarter on same quarter a year earlier	KB94	-0.2	-	-0.1	-	0.1	0.2	-0.1	-0.3	-0.3	-0.3	-0.1	-0.1	-0.1	-
Percentage changes in volume															
of GVA output components (Table B1)															
GVA at basic prices quarter on quarter growth															
Agriculture, forestry and fishing	KB83	-0.6	0.5	0.3	-0.3	-0.4	0.3	-0.1	-	-0.1	2.8	0.6	-0.3	0.7	-0.1
Mining and quarrying inc oil & gas extraction	KB84	1.1	1.2	-0.4	-2.3	1.1	0.6	-0.2	-0.2	0.7	0.8	-0.6	0.1	0.1	0.3
Manufacturing	KB85	-0.2	0.1	0.2	-	-0.3	-0.1	-0.2	0.1	-0.2	-	0.2	-0.1	0.1	-0.3
Electricity, gas, steam and air	KB86	-0.6	0.1	0.4	0.1	-0.6	0.7	-1.0	0.3	-0.7	-0.9	0.4	0.7	0.3	-1.1
Water supply, sewerage	KNT7	-0.3	-0.3	0.2	0.4	-0.2	0.5	0.1	-0.2	-0.6	0.1	0.4	0.2	1.6	2.7
Total Production	KB87	-0.1	0.2	0.1	-0.3	-0.2	0.1	-0.3	0.1	-0.2	-0.1	0.2	0.1	0.3	-0.2
Construction	KB88	-0.1	-0.5	0.5	-0.2	0.3	-0.1	0.1	-0.1	-0.3	0.8	0.8	-	0.4	1.9
Distribution, hotels and restaurants	KB89	-0.3	0.1	0.2	-0.1	-0.3	-0.4	-0.3	0.1	0.3	-	-0.1	-	-	0.2
Transport storage and communications	KB8A	-0.2	0.4	-0.1	-0.3	0.1	-1.1	-0.2	0.1	0.3	0.4	-0.2	0.2	0.3	-0.3
Business services and finance	KB8B	0.2	-0.1	-0.3	0.2	0.2	-	0.1	0.3	0.4	0.5	-0.1	0.1	0.2	0.2
Government and other services	KB8C	-	-0.1	0.1	0.3	-0.5	-0.5	-0.1	-0.1	0.4	-0.2	0.2	-	-0.3	0.2
Total services	KB8D	-0.1	0.2	-	0.1	-0.1	-0.4	-0.2	-	0.2	0.1	-	-	-	-
Total GVA	KB8E	-0.1	-	0.1	0.1	-0.2	0.1	-0.1	0.1	0.2	0.1	-0.1	-0.2	-	0.1
Total GVA excluding Oil	KB8F	-0.1	0.1	0.1	0.1	-0.1	0.1	-	0.1	0.1	0.1	-0.1	-0.1	-	0.1
Percentage changes in volume of GDP															
expenditure components (Table C2)															
National expenditure on goods and services															
at market prices quarter on quarter growth															
Households	KB8G	0.4	-0.4	0.2	0.3	-0.3	0.3	-0.3	0.4	-0.3	0.2	0.1	-	-	-
Non-profit institutions serving households	KB8H	-0.1	0.7	-0.2	0.3	-1.1	0.9	0.7	0.1	0.6	-0.2	-0.9	-0.7	0.2	0.8
General government	KB8I	0.1	0.5	0.3	0.3	0.2	-0.6	0.2	-	-	-0.4	0.2	-	-	-0.1
Gross fixed capital formation	KB8J	1.2	-1.1	-0.2	1.0	1.7	-0.7	-0.4	0.4	-1.3	0.4	-0.1	-0.1	-0.3	-2.2
Total	KB8K	0.3	-	0.2	-0.1	-0.2	0.1	0.2	0.3	-	-0.2	0.2	-0.1	-0.8	0.1
Total exports	KB8L	-0.6	1.2	-1.2	-	0.1	0.6	-1.9	-1.4	1.4	1.0	-1.3	-1.0	1.9	0.5
Total imports	KB8M	0.7	0.9	-0.6	-0.5	-0.5	-0.6	-0.4	-0.2	1.2	-	-0.2	-0.7	-0.6	0.4

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2015	L3BB 1.1	L3BG 1.2	L3BH 8.0	L3BN –	L3DM 1.0	L3DQ 3.4	L3DW 4.4	L3E2 2.7	L3GP 4.5	KI8L 4.1	KI8N 2.5	KI8P 0.9
2016	–5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.8	–
2017	2.9	1.8	0.3	2.5	–1.7	2.7	7.1	1.8	2.1	4.2	2.6	0.2
Contributions to growth												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2015	..	..	..	..	..	..	..	..	..	..	..	..
2016	..	..	..	..	..	..	..	..	..	..	..	..
2017	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, latest quarter on previous quarter												
Growth												
2015 Q3	L3BB –0.6	L3BG –0.3	L3BH –0.9	L3BN –0.4	L3DM 0.8	L3DQ 0.4	L3DW –0.6	L3E2 0.5	L3GP 0.5	KI8L 0.6	KI8N 0.6	KI8P 0.2
Q4	–1.7	–0.6	–2.0	–0.2	–2.4	0.3	1.5	0.6	1.0	0.6	0.8	0.3
2016 Q1	–3.7	0.1	–1.9	–0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.7	–0.2
Q2	–1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.6	–0.4
Q3	–0.2	–0.4	5.1	–0.5	–3.9	0.1	1.1	0.8	0.9	2.9	0.9	–0.1
Q4	0.6	0.6	–7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.8	0.1
2017 Q1	2.0	0.3	3.5	0.5	–3.9	2.2	3.2	0.3	–0.3	0.1	0.9	0.3
Q2	0.5	0.2	0.3	0.2	0.5	–0.7	0.4	0.3	0.4	0.9	–	0.2
Q3	0.8	1.1	2.1	1.0	2.2	–0.9	0.4	0.3	0.4	0.5	0.6	–0.2
Q4	–0.3	0.7	–4.8	1.4	–0.1	1.2	0.3	0.4	–0.1	1.4	0.8	–0.2
2018 Q1	–1.5	0.4	2.5	–0.1	1.4	1.7	–0.8	0.3	0.1	0.1	0.6	0.3
Contributions to growth												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2015 Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2016 Q1	..	..	..	..	..	..	..	..	..	..	..	..
Q2	..	..	..	..	..	..	..	..	..	..	..	..
Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2017 Q1	..	..	..	..	..	..	..	..	..	..	..	..
Q2	..	..	..	..	..	..	..	..	..	..	..	..
Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2018 Q1	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2015 Q3	L3ZZ 0.7	L426 1.2	L427 12.5	L42D –0.7	L44C –0.9	L44G 5.7	L44M 2.1	L44Q 2.5	L47F 4.4	KII2 3.8	KIH9 2.2	KIH8 0.8
Q4	–2.6	0.3	7.6	–1.1	–1.0	5.1	3.3	2.0	3.9	2.8	1.7	0.5
2016 Q1	–5.0	–0.1	3.3	–1.1	–1.4	6.8	2.5	2.1	3.9	2.6	2.3	0.8
Q2	–6.8	1.0	–2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.7	–0.1
Q3	–6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	3.1	–0.3
Q4	–4.3	2.1	–2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	3.1	–0.5
2017 Q1	1.4	2.3	2.5	2.5	–1.2	5.8	9.2	2.1	2.9	5.0	3.2	–
Q2	3.0	0.6	0.5	1.5	–5.0	2.2	7.8	2.2	2.8	5.7	2.6	0.5
Q3	4.1	2.1	–2.3	3.0	1.1	1.2	7.0	1.7	2.3	3.3	2.3	0.4
Q4	3.1	2.3	0.9	3.1	–1.4	1.8	4.4	1.3	0.5	2.9	2.3	0.1
2018 Q1	–0.4	2.4	–0.1	2.5	4.1	1.3	0.3	1.2	0.9	2.9	2.0	0.1
Contributions to growth												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2015 Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2016 Q1	..	..	..	..	..	..	..	..	..	..	..	..
Q2	..	..	..	..	..	..	..	..	..	..	..	..
Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2017 Q1	..	..	..	..	..	..	..	..	..	..	..	..
Q2	..	..	..	..	..	..	..	..	..	..	..	..
Q3	..	..	..	..	..	..	..	..	..	..	..	..
Q4	..	..	..	..	..	..	..	..	..	..	..	..
2018 Q1	..	..	..	..	..	..	..	..	..	..	..	..

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

3 .. Denotes data are unavailable at this time. We are working to quality assure the contribution to growth figures for output components of GDP and will update this file as soon as possible

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	Households	Non-profit institutions ³	General government ⁴	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5	
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3	
2017	1.9	-0.5	-0.1	0.8	3.4	1.6	5.4	3.2	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2015	1.7	-	0.3	0.8	0.6	0.4	1.3	1.6	-0.4
2016	2.0	-	0.1	0.3	0.4	-	0.3	0.9	-0.7
2017	1.2	-	-	0.1	0.6	0.2	1.5	1.0	0.6
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2015 Q3	1.3	-0.9	0.6	-0.6	-2.1	-2.5	-1.0	0.3	
Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7	
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4	
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6	
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1	
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2	
2017 Q1	0.6	-0.2	-0.5	1.3	1.1	-0.2	0.8	0.9	
Q2	0.4	-0.7	0.5	-0.4	1.6	1.7	0.6	0.4	
Q3	0.3	-0.7	-0.1	1.2	0.4	0.6	0.8	0.5	
Q4	0.3	0.1	0.4	-1.2	0.8	0.2	1.0	-0.2	
2018 Q1	0.2	-0.3	0.4	-0.2	-1.3	-0.4	-	-0.2	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2015 Q3	0.8	-	0.1	-0.1	-0.4	-0.2	-0.3	0.1	-0.4
Q4	-	-	-	1.0	0.3	0.2	0.6	0.8	-0.2
2016 Q1	0.7	-	0.1	-0.3	-	-0.2	-0.2	-0.1	-0.1
Q2	0.5	-	-	-0.4	0.3	0.1	0.3	0.2	0.1
Q3	0.8	-	-	1.5	0.2	0.1	-0.9	0.9	-1.8
Q4	-	-	-	-0.9	-0.1	-0.1	1.7	-	1.7
2017 Q1	0.4	-	-0.1	0.2	0.2	-	0.2	0.3	-
Q2	0.2	-	0.1	-0.1	0.3	0.2	0.2	0.1	-
Q3	0.2	-	-	0.2	0.1	0.1	0.2	0.2	0.1
Q4	0.2	-	0.1	-0.2	0.1	-	0.3	-0.1	0.3
2018 Q1	0.2	-	0.1	-	-0.2	-	-	-0.1	0.1
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2015 Q3	3.0	-0.6	1.6	0.5	1.3	1.2	4.8	4.9	
Q4	2.8	-0.1	1.8	0.8	2.5	2.9	3.1	3.0	
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4	
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2	
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1	
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5	
2017 Q1	2.6	0.9	-0.6	2.0	3.6	1.2	5.0	4.8	
Q2	2.2	-0.4	-	4.1	3.6	2.0	4.6	4.6	
Q3	1.3	-1.1	-0.2	-3.3	2.6	1.1	8.9	2.0	
Q4	1.5	-1.5	0.2	0.8	4.0	2.3	3.2	1.7	
2018 Q1	1.2	-1.6	1.2	-0.8	1.5	2.0	2.4	0.6	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2015 Q3	1.8	-	0.3	0.1	0.2	0.1	1.3	1.4	-0.1
Q4	1.7	-	0.3	0.1	0.4	0.3	0.9	0.9	-0.1
2016 Q1	2.1	-	0.3	-0.5	0.1	-0.2	0.3	0.1	0.1
Q2	2.0	-	0.1	0.1	0.2	-0.1	0.3	0.9	-0.6
Q3	2.0	-	-	1.7	0.8	0.3	-0.3	1.7	-2.1
Q4	2.0	-	0.1	-0.2	0.4	-	0.9	1.0	-0.1
2017 Q1	1.6	-	-0.1	0.3	0.6	0.1	1.4	1.4	-
Q2	1.4	-	-	0.7	0.6	0.2	1.3	1.4	-
Q3	0.8	-	-	-0.6	0.4	0.1	2.4	0.6	1.8
Q4	1.0	-	-	0.1	0.7	0.2	0.9	0.5	0.4
2018 Q1	0.7	-	0.2	-0.1	0.3	0.2	0.7	0.2	0.5

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

4 Please refer to footnote 7 on table C2

AC

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

Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations ³	Other income ⁴	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Growth				
	KGI3	KH4V	KH6T	KH65
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.1	3.0	1.1	2.8
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2015	1.5	-	0.9	0.3
2016	1.8	1.0	0.6	0.5
2017	2.0	0.7	0.2	0.3
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2015 Q3	1.5	-5.3	2.1	1.6
Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.9	-	-0.9
Q2	1.1	-2.4	0.7	1.5
Q3	0.9	-1.1	0.3	1.4
Q4	1.1	1.3	0.7	-0.9
2018 Q1	1.1	1.5	1.4	-2.3
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2015 Q3	1.1	-1.8	0.5	0.3
Q4	0.2	0.1	0.1	-
2016 Q1	-0.4	1.8	-	0.1
Q2	1.5	-1.1	0.3	0.2
Q3	1.0	-0.1	-	-
Q4	-0.1	1.4	-	0.3
2017 Q1	0.4	0.4	-	-0.1
Q2	0.5	-0.5	0.1	0.2
Q3	0.4	-0.2	0.1	0.2
Q4	0.5	0.3	0.1	-0.1
2018 Q1	0.5	0.3	0.2	-0.3
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2015 Q3	3.5	-4.5	6.6	4.5
Q4	3.4	-1.2	6.1	2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	3.0	1.2	2.8
Q2	3.8	5.2	0.4	3.0
Q3	2.7	4.5	0.8	4.3
Q4	4.1	-0.3	1.8	1.1
2018 Q1	4.3	-0.7	3.2	-0.3
Contributions to growth³				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2015 Q3	1.7	-1.0	1.1	0.5
Q4	1.7	-0.3	1.0	0.4
2016 Q1	1.1	1.3	0.9	0.6
Q2	2.0	-0.3	0.8	0.5
Q3	2.3	0.8	0.4	0.3
Q4	2.0	2.1	0.3	0.6
2017 Q1	2.8	0.7	0.2	0.3
Q2	1.9	1.1	0.1	0.4
Q3	1.4	1.0	0.1	0.5
Q4	2.0	-0.1	0.3	0.1
2018 Q1	2.1	-0.2	0.5	-

1 Estimates are accurate to 1 decimal place

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

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

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

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure						
	House- holds	Non-prof- it instit- utions ²	General govern- ment	Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2015	0.5	0.8	-0.3	-2.0	1.1	-4.4	-5.8
2016	1.5	0.5	1.2	2.5	1.4	6.1	4.1
2017	2.1	1.6	1.4	3.4	2.4	4.9	5.8
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2015 Q3	-0.4	0.9	1.3	-2.8	0.6	-1.5	-1.6
Q4	1.0	-	-0.6	-5.8	0.1	-	-0.8
2016 Q1	0.2	-	0.9	5.5	0.2	1.6	1.4
Q2	0.4	-0.2	-	2.5	0.6	2.6	2.4
Q3	0.1	0.6	0.5	-0.3	0.4	5.1	3.8
Q4	1.0	0.2	0.8	-1.9	1.0	2.3	1.9
2017 Q1	0.8	0.4	0.5	2.9	0.7	-	1.4
Q2	0.2	0.7	0.3	0.4	-	-0.2	-
Q3	-	0.5	-0.4	1.9	0.8	0.3	0.7
Q4	0.8	-	0.2	0.8	0.6	0.3	0.7
2018 Q1	1.0	0.4	0.9	-2.9	0.5	-0.1	-1.0
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2015 Q3	-	0.7	-0.4	-0.9	1.5	-5.1	-6.2
Q4	0.7	0.2	-1.1	-2.0	0.9	-4.0	-5.9
2016 Q1	1.1	0.3	-	3.7	0.6	-0.1	-1.6
Q2	1.3	0.8	1.6	-0.9	1.5	2.7	1.3
Q3	1.8	0.5	0.9	1.6	1.3	9.6	6.9
Q4	1.8	0.6	2.2	5.7	2.3	12.1	9.8
2017 Q1	2.4	1.0	1.8	3.2	2.7	10.3	9.7
Q2	2.2	1.9	2.1	1.1	2.2	7.4	7.2
Q3	2.1	1.8	1.1	3.4	2.5	2.4	3.9
Q4	1.8	1.6	0.6	6.2	2.2	0.4	2.7
2018 Q1	2.1	1.5	0.9	0.1	2.0	0.4	0.3

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 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constru- ction	Total Services	Distrib- ution, 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	1.1	1.2	8.0	—	1.0	3.4	4.4	2.7	4.5	4.1	2.5	0.9
2016	-5.6	1.0	0.3	0.4	2.1	5.6	4.1	1.9	3.8	3.4	2.8	—
2017	2.9	1.8	0.3	2.5	-1.7	2.7	7.1	1.8	2.1	4.2	2.6	0.2
Previous estimates²												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2015	1.2	1.2	8.1	—	1.0	3.4	4.4	2.6	4.7	4.0	2.4	0.9
2016	-5.6	1.3	—	0.9	2.6	5.2	3.9	2.5	4.7	4.7	2.2	0.6
2017	-0.4	1.9	-0.5	2.5	-0.8	2.3	5.7	1.5	1.8	3.5	1.7	0.1
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2015	-0.1	—	-0.1	—	—	—	—	0.1	-0.2	0.1	0.1	—
2016	—	-0.3	0.3	-0.5	-0.5	0.4	0.2	-0.6	-0.9	-1.3	0.6	-0.6
2017	3.3	-0.1	0.8	—	-0.9	0.4	1.4	0.3	0.3	0.7	0.9	0.1
Percentage change, latest quarter on previous quarter												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2015 Q3	-0.6	-0.3	-0.9	-0.4	0.8	0.4	-0.6	0.5	0.5	0.6	0.6	0.2
Q4	-1.7	-0.6	-2.0	-0.2	-2.4	0.3	1.5	0.6	1.0	0.6	0.8	0.3
2016 Q1	-3.7	0.1	-1.9	-0.1	2.1	1.8	0.3	0.4	1.1	0.4	0.7	-0.2
Q2	-1.1	1.8	2.2	1.2	4.6	2.8	1.7	0.1	0.5	0.2	0.6	-0.4
Q3	-0.2	-0.4	5.1	-0.5	-3.9	0.1	1.1	0.8	0.9	2.9	0.9	-0.1
Q4	0.6	0.6	-7.8	1.3	2.4	0.6	2.9	0.8	1.7	1.8	0.8	0.1
2017 Q1	2.0	0.3	3.5	0.5	-3.9	2.2	3.2	0.3	-0.3	0.1	0.9	0.3
Q2	0.5	0.2	0.3	0.2	0.5	-0.7	0.4	0.3	0.4	0.9	—	0.2
Q3	0.8	1.1	2.1	1.0	2.2	-0.9	0.4	0.3	0.4	0.5	0.6	-0.2
Q4	-0.3	0.7	-4.8	1.4	-0.1	1.2	0.3	0.4	-0.1	1.4	0.8	-0.2
2018 Q1	-1.5	0.4	2.5	-0.1	1.4	1.7	-0.8	0.3	0.1	0.1	0.6	0.3
Previous estimates²												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2015 Q3	-0.4	-0.1	1.4	-0.4	0.7	—	-0.4	0.3	0.6	0.9	0.4	-0.1
Q4	-1.3	-0.4	-3.2	0.1	-1.8	0.5	1.2	0.7	1.3	0.5	0.6	0.8
2016 Q1	-4.0	—	-2.5	—	1.4	1.3	0.4	0.8	1.5	1.5	0.7	0.3
Q2	-1.0	2.1	2.4	1.4	5.6	2.7	1.6	0.3	0.9	0.4	0.5	-0.3
Q3	-0.2	-0.5	5.3	-0.6	-4.2	0.3	1.2	0.8	1.2	2.8	0.6	—
Q4	0.7	0.8	-8.5	1.5	3.1	1.2	3.2	0.6	1.6	1.5	0.4	-0.3
2017 Q1	-0.8	0.4	2.7	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
2018 Q1	-1.4	0.6	2.2	0.2	2.5	-1.0	-2.7	0.3	-0.1	0.4	0.4	0.1
Revisions												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2015 Q3	-0.2	-0.2	-2.3	—	0.1	0.4	-0.2	0.2	-0.1	-0.3	0.2	0.3
Q4	-0.4	-0.2	1.2	-0.3	-0.6	-0.2	0.3	-0.1	-0.3	0.1	0.2	-0.5
2016 Q1	0.3	0.1	0.6	-0.1	0.7	0.5	-0.1	-0.4	-0.4	-1.1	—	-0.5
Q2	-0.1	-0.3	-0.2	-0.2	-1.0	0.1	0.1	-0.2	-0.4	-0.2	0.1	-0.1
Q3	—	0.1	-0.2	0.1	0.3	-0.2	-0.1	—	-0.3	0.1	0.3	-0.1
Q4	-0.1	-0.2	0.7	-0.2	-0.7	-0.6	-0.3	0.2	0.1	0.3	0.4	0.4
2017 Q1	2.8	-0.1	0.8	—	-0.9	0.1	0.8	0.1	0.3	0.4	0.5	-0.2
Q2	0.6	0.2	-0.6	0.2	0.4	0.4	0.8	—	—	-0.2	-0.1	0.2
Q3	-0.3	0.1	0.1	-0.1	0.7	0.2	—	—	-0.1	0.2	0.1	—
Q4	0.7	0.3	0.1	0.1	0.3	1.6	0.4	—	—	0.3	0.2	-0.3
2018 Q1	-0.1	-0.2	0.3	-0.3	-1.1	2.7	1.9	—	0.2	-0.3	0.2	0.2

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 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage growths, latest quarter on corresponding quarter of previous year												
Current estimates³												
2015 Q3	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
Q4	0.7	1.2	12.5	-0.7	-0.9	5.7	2.1	2.5	4.4	3.8	2.2	0.8
	-2.6	0.3	7.6	-1.1	-1.0	5.1	3.3	2.0	3.9	2.8	1.7	0.5
2016 Q1	-5.0	-0.1	3.3	-1.1	-1.4	6.8	2.5	2.1	3.9	2.6	2.3	0.8
Q2	-6.8	1.0	-2.5	0.5	5.0	5.4	3.0	1.6	3.2	1.8	2.7	-0.1
Q3	-6.5	0.9	3.3	0.4	0.1	5.1	4.7	1.9	3.7	4.0	3.1	-0.3
Q4	-4.3	2.1	-2.8	1.9	5.0	5.3	6.1	2.1	4.4	5.3	3.1	-0.5
2017 Q1	1.4	2.3	2.5	2.5	-1.2	5.8	9.2	2.1	2.9	5.0	3.2	-
Q2	3.0	0.6	0.5	1.5	-5.0	2.2	7.8	2.2	2.8	5.7	2.6	0.5
Q3	4.1	2.1	-2.3	3.0	1.1	1.2	7.0	1.7	2.3	3.3	2.3	0.4
Q4	3.1	2.3	0.9	3.1	-1.4	1.8	4.4	1.3	0.5	2.9	2.3	0.1
2018 Q1	-0.4	2.4	-0.1	2.5	4.1	1.3	0.3	1.2	0.9	2.9	2.0	0.1
Previous estimates²												
2015 Q3	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
Q4	0.7	1.2	13.1	-0.7	-1.0	5.7	2.2	2.3	4.5	3.9	2.1	0.5
	-2.8	0.4	7.9	-0.9	-0.9	5.0	3.0	1.8	4.0	2.6	1.5	0.6
2016 Q1	-5.0	0.1	4.2	-0.8	-1.9	5.9	1.8	2.5	4.5	4.0	2.1	1.3
Q2	-6.5	1.7	-2.0	1.2	5.9	4.5	2.8	2.3	4.3	3.3	2.2	0.6
Q3	-6.4	1.2	1.8	0.9	0.7	4.9	4.5	2.7	4.9	5.2	2.3	0.7
Q4	-4.4	2.4	-3.8	2.3	5.7	5.6	6.5	2.5	5.2	6.3	2.2	-0.4
2017 Q1	-1.3	2.8	1.3	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
2018 Q1	-1.3	2.0	0.1	2.5	3.9	-3.5	-2.7	1.2	0.7	2.8	1.7	-
Revisions												
2015 Q3	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
Q4	-	-	-0.6	-	0.1	-	-0.1	0.2	-0.1	-0.1	0.1	0.3
	0.2	-0.1	-0.3	-0.2	-0.1	0.1	0.3	0.2	-0.1	0.2	0.2	-0.1
2016 Q1	-	-0.2	-0.9	-0.3	0.5	0.9	0.7	-0.4	-0.6	-1.4	0.2	-0.5
Q2	-0.3	-0.7	-0.5	-0.7	-0.9	0.9	0.2	-0.7	-1.1	-1.5	0.5	-0.7
Q3	-0.1	-0.3	1.5	-0.5	-0.6	0.2	0.2	-0.8	-1.2	-1.2	0.8	-1.0
Q4	0.1	-0.3	1.0	-0.4	-0.7	-0.3	-0.4	-0.4	-0.8	-1.0	0.9	-0.1
2017 Q1	2.7	-0.5	1.2	-0.4	-2.4	-0.6	0.6	0.2	-0.1	0.7	1.2	0.2
Q2	3.4	-	0.7	0.2	-0.9	-0.3	1.3	0.4	0.3	0.7	1.0	0.4
Q3	3.2	-0.1	1.0	-0.1	-0.6	0.1	1.4	0.4	0.5	0.8	0.7	0.5
Q4	3.9	0.4	0.3	0.2	0.3	2.3	2.1	0.2	0.3	0.8	0.6	-0.3
2018 Q1	0.9	0.4	-0.2	-	0.2	4.8	3.0	-	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)

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure			Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	less Total imports
	Households	Non-profit institutions ³	General government ⁵					
Percentage change, latest year on previous year								
Current estimates ⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2015	2.7	-0.3	1.4	4.6	3.4	3.7	4.4	5.5
2016	3.2	0.8	0.8	1.6	2.3	-0.2	1.0	3.3
2017	1.9	-0.5	-0.1	0.8	3.4	1.6	5.4	3.2
Previous estimates ²								
	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	1.7	-	0.1	1.6	4.0	2.4	5.7	3.2
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2015	-	0.5	0.8	0.5	0.6	-	-0.6	0.4
2016	0.1	0.9	-	0.7	0.5	0.3	-1.3	-1.5
2017	0.2	-0.5	-0.2	-0.8	-0.6	-0.8	-0.3	-
Percentage change, latest quarter on previous quarter								
Current estimates ⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2015 Q3	1.3	-0.9	0.6	-0.6	-2.1	-2.5	-1.0	0.3
Q4	0.1	0.2	-0.2	5.7	1.8	2.3	2.0	2.7
2016 Q1	1.1	0.4	0.4	-1.9	-	-1.7	-0.9	-0.4
Q2	0.8	0.7	-0.1	-2.5	1.6	0.9	0.9	0.6
Q3	1.2	-	-	9.0	1.5	1.5	-3.2	3.1
Q4	-	0.5	-	-5.3	-0.6	-1.0	6.6	0.2
2017 Q1	0.6	-0.2	-0.5	1.3	1.1	-0.2	0.8	0.9
Q2	0.4	-0.7	0.5	-0.4	1.6	1.7	0.6	0.4
Q3	0.3	-0.7	-0.1	1.2	0.4	0.6	0.8	0.5
Q4	0.3	0.1	0.4	-1.2	0.8	0.2	1.0	-0.2
2018 Q1	0.2	-0.3	0.4	-0.2	-1.3	-0.4	-	-0.2
Previous estimates ²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2015 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
2018 Q1	0.2	-1.1	0.5	-0.9	0.9	-0.2	-0.5	-0.6
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2015 Q3	0.3	0.3	0.3	-2.3	1.0	0.8	-	-0.5
Q4	-0.3	-1.1	0.2	-	1.7	2.2	0.1	-0.5
2016 Q1	0.3	0.9	-0.6	-0.1	-0.7	-1.7	0.6	-0.6
Q2	-0.3	0.7	0.2	1.9	-0.4	0.2	-1.9	-0.4
Q3	0.4	0.1	-	0.2	0.4	0.2	-1.4	-0.2
Q4	-0.3	0.6	-	1.0	-1.3	-0.9	1.4	1.2
2017 Q1	0.2	-0.2	-0.4	-1.5	0.4	-0.5	1.0	-
Q2	0.1	-0.9	0.2	0.7	-0.1	0.5	-1.3	-0.2
Q3	-	-0.7	-	-0.2	-0.1	-0.2	-1.0	-0.7
Q4	-	0.2	-	-4.4	-0.3	-0.1	1.9	-0.6
2018 Q1	-	0.8	-0.1	0.7	-2.2	-0.2	0.5	0.4

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)

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

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

continued

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							
	Households	Non-profit institutions ³	General government ⁵	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports
Percentage change, latest quarter on corresponding quarter of the previous year								
Current estimates⁴								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
2015 Q3	3.0	-0.6	1.6	0.5	1.3	1.2	4.8	4.9
Q4	2.8	-0.1	1.8	0.8	2.5	2.9	3.1	3.0
2016 Q1	3.3	0.2	1.7	-2.7	0.8	-2.1	1.0	0.4
Q2	3.3	0.4	0.7	0.5	1.1	-1.1	1.1	3.2
Q3	3.2	1.2	0.2	10.2	4.9	2.9	-1.2	6.1
Q4	3.1	1.5	0.4	-1.2	2.5	-0.4	3.3	3.5
2017 Q1	2.6	0.9	-0.6	2.0	3.6	1.2	5.0	4.8
Q2	2.2	-0.4	-	4.1	3.6	2.0	4.6	4.6
Q3	1.3	-1.1	-0.2	-3.3	2.6	1.1	8.9	2.0
Q4	1.5	-1.5	0.2	0.8	4.0	2.3	3.2	1.7
2018 Q1	1.2	-1.6	1.2	-0.8	1.5	2.0	2.4	0.6
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2015 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
2018 Q1	1.1	-0.9	1.2	2.6	4.3	2.0	2.3	1.6
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2015 Q3	0.5	0.8	1.1	-1.3	0.9	0.1	-0.5	0.5
Q4	-0.4	-0.3	1.2	-1.1	1.4	0.9	0.3	-0.7
2016 Q1	0.4	-	0.1	-2.1	1.7	1.0	-0.3	-2.2
Q2	-	0.9	-	-0.4	1.5	1.5	-1.0	-2.1
Q3	0.1	0.6	-0.2	2.2	0.9	0.8	-2.5	-1.8
Q4	0.1	2.3	-0.3	3.0	-2.1	-2.3	-1.3	-0.1
2017 Q1	-	1.1	-0.2	1.7	-0.9	-1.0	-1.1	0.5
Q2	0.4	-0.4	-0.2	0.4	-0.6	-0.7	-0.5	0.8
Q3	-	-1.2	-0.3	0.1	-1.0	-1.1	-0.1	0.3
Q4	0.3	-1.6	-0.4	-5.6	-	-0.3	0.5	-1.4
2018 Q1	0.1	-0.7	-	-3.4	-2.8	-	0.1	-1.0

1 Estimates are accurate to 1 decimal place

2 Previous estimates refer to the 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)

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

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

Seasonally adjusted data

	Compensation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Current estimates³				
	KG13	KH4V	KH6T	KH65
2015	3.2	-0.1	5.6	2.8
2016	3.8	4.5	3.4	4.0
2017	4.1	3.0	1.1	2.8
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	4.0	2.0	2.8
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2015	0.1	-0.4	0.2	-
2016	-0.4	1.9	-0.6	-0.2
2017	-	-1.0	-0.9	-
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KG14	KH4W	KH6U	KH66
2015 Q3	1.5	-5.3	2.1	1.6
Q4	0.4	0.7	0.6	0.1
2016 Q1	-0.8	8.6	0.3	0.8
Q2	3.0	-4.5	1.5	1.3
Q3	1.9	-0.4	-0.1	0.1
Q4	-0.2	6.2	-0.2	2.2
2017 Q1	0.9	1.9	-	-0.9
Q2	1.1	-2.4	0.7	1.5
Q3	0.9	-1.1	0.3	1.4
Q4	1.1	1.3	0.7	-0.9
2018 Q1	1.1	1.5	1.4	-2.3
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2015 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
2018 Q1	1.6	-1.3	0.5	-2.4
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2015 Q3	0.8	-1.6	-	0.6
Q4	-0.5	1.1	0.8	-0.3
2016 Q1	-1.0	3.6	-0.4	-0.2
Q2	0.6	-1.9	-0.6	0.1
Q3	0.5	-1.7	-0.7	-
Q4	-0.8	3.4	-0.5	-
2017 Q1	-0.1	-0.3	0.2	0.4
Q2	0.1	-0.9	-0.2	-0.2
Q3	0.1	-2.2	-	-0.4
Q4	0.4	0.4	-0.5	-0.3
2018 Q1	-0.5	2.8	0.9	0.1

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 Q3	3.5	-4.5	6.6	4.5
Q4	3.4	-1.2	6.1	2.9
2016 Q1	2.2	5.7	5.2	5.4
Q2	4.2	-1.2	4.6	3.9
Q3	4.6	3.9	2.4	2.4
Q4	4.0	9.7	1.5	4.6
2017 Q1	5.8	3.0	1.2	2.8
Q2	3.8	5.2	0.4	3.0
Q3	2.7	4.5	0.8	4.3
Q4	4.1	-0.3	1.8	1.1
2018 Q1	4.3	-0.7	3.2	-0.3
Previous estimates²				
	A2CP	A2CQ	A2CR	A2CS
2015 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
2018 Q1	4.1	-0.9	2.9	0.5
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2015 Q3	0.2	-0.2	0.1	0.1
Q4	0.5	-0.3	0.8	-
2016 Q1	-0.4	3.0	0.6	-0.3
Q2	-0.1	0.7	-0.1	0.2
Q3	-0.4	0.7	-0.7	-0.5
Q4	-0.8	3.2	-2.2	-0.1
2017 Q1	0.2	-0.7	-1.7	0.6
Q2	-0.2	0.3	-1.3	0.3
Q3	-0.7	-0.2	-0.5	-0.2
Q4	0.6	-3.0	-0.4	-0.5
2018 Q1	0.2	0.2	0.3	-0.8

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)