

Statistical bulletin

# Second estimate of GDP: Jan to Mar 2017

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



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# 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) 2016 and Quarter 1 (Jan to Mar) 2017.
- UK GDP growth in Quarter 1 2017 has been revised down by 0.1 percentage points from the preliminary estimate published on 28 April 2017; mainly due to broad-based downward revisions within the services sector.
- UK GDP growth slowed to 0.2% in Quarter 1 2017 as consumer facing industries such as retail and accommodation fell and household spending slowed. This was partly due to rising prices. Construction and manufacturing also showed little growth, while business services & finance continued to grow strongly.
- GDP in current prices increased by 0.7% between Quarter 4 2016 and Quarter 1 2017.
- GDP per head in volume terms was flat between Quarter 4 2016 and Quarter 1 2017.

## 2 . Things you need to know about this release

In line with [National Accounts Revisions Policy](#), the only period open for revision in this release is Quarter 1 (Jan to Mar) 2017. All data 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.

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 second estimate of GDP is produced around 7 and a half weeks after the end of the quarter to provide a timely estimate of GDP. At this stage the data content of this estimate from the output measure of GDP has risen since the preliminary estimate to around 80% of the total required for the final output-based estimate. There is also around 50 to 60% data content available to produce estimates of GDP from the expenditure and income approaches.

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

Estimates for the most recent quarters are provisional and are subject to revision in the light of updated source information. We currently provide an analysis of past revisions in the GDP and other statistical bulletins that present time series. Our [revisions to economic statistics](#) page brings together our work on revisions analysis, linking to articles and revisions policies. Revisions to data provide one indication of the reliability of main indicators. Revisions triangles are published on our website for [headline GDP](#), [UK gross value added](#), [the GDP deflator](#) and the [expenditure](#) and [income](#) components of GDP.

### Corrections to be aware of

We previously informed you about corrections regarding the rail transport industry and gross fixed capital formation (GFCF). Further details can be found in section 7, upcoming changes.

## 3 . UK GDP growth slows in Quarter 1 (Jan to Mar) 2017

## Headline GDP components and GDP per head

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

					% growth <sup>1</sup>	
	Chained volume measures				Current market prices	
	GDP	Household expenditure	Gross fixed capital formation	GDP per head	GDP	Compensation of employees
	Seasonally adjusted					
2015	2.2	2.5	3.4	1.4	2.8	3.2
2016	1.8	2.8	0.5	1.1	3.6	3.7
Q1 2015	0.3	0.7	1.5	0.0	0.3	0.5
Q2 2015	0.5	0.5	1.2	0.3	1.5	0.8
Q3 2015	0.3	1.1	0.8	0.1	-0.1	0.9
Q4 2015	0.7	0.4	-0.9	0.5	0.4	0.5
Q1 2016	0.2	0.7	0.0	0.0	1.1	0.4
Q2 2016	0.6	0.8	0.2	0.4	1.5	2.1
Q3 2016	0.5	0.8	0.6	0.3	0.6	1.1
Q4 2016	0.7	0.7	0.1	0.5	1.5	0.4
Q1 2017	0.2	0.3	1.2	0.0	0.7	0.6

Source: Office for National Statistics

Notes:

1. Percentage change on previous period.

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).

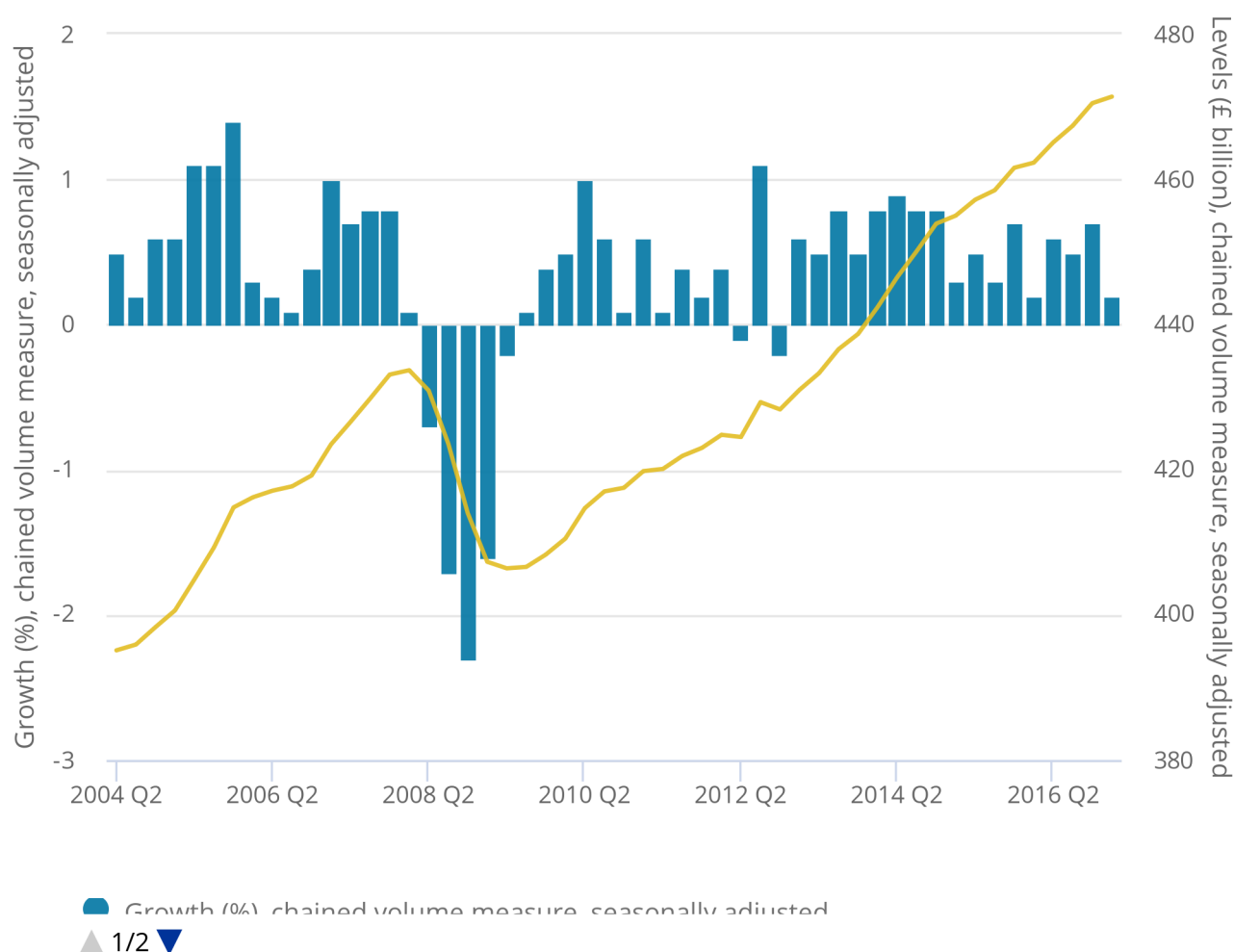
As seen in Figure 1, between Quarter 4 (Oct to Dec) 2016 and Quarter 1 (Jan to Mar) 2017, UK gross domestic product (GDP) grew by 0.2%, which is the 17th consecutive quarterly increase and continues the UK's period of steady growth since Quarter 1 2013.

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

Quarter 2 (Apr to June) 2004 to Quarter 1 (Jan to Mar) 2017

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

Quarter 2 (Apr to June) 2004 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics

**Source: Office for National Statistics**

**Notes:**

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

## Output approach

The output approach to measuring GDP increased by 0.2% between Quarter 4 (Oct to Dec) 2016 and Quarter 1 (Jan to Mar) 2017 and was revised down 0.1 percentage points from the [preliminary estimate of GDP](#) published on 28 April 2017.

In Quarter 1 2017, all four sectors show positive growth; agriculture increased by 0.3%, total production increased by 0.1% and construction and total services both increased by 0.2%.

Within production, three of the four components increased between Quarter 4 2016 and Quarter 1 2017 resulting in a small positive growth in total production. Within the production sub-industries, output from mining and quarrying (including oil and gas extraction) increased by 1.8%; manufacturing (the largest component of production) increased by 0.3% and electricity, gas, steam and air conditioning supply industries decreased by 4.3%. Water supply and sewerage increased by 0.7%.

Growth in UK GDP was broad-based but once again the services industries contributed by far the most to the headline growth rate, increasing by 0.2% in Quarter 1 2017 although this is more subdued than in recent periods. The growth was focused in the business services and finance, and government and other services industrial groups, but there was a slow-down in growth in consumer-focused industries, such as retail sales and accommodation. Within the services industries, two of the four main sectors decreased in Quarter 1 2017; distribution, hotels and restaurants, and transport, storage and communications. These negative growths were more than offset by positive growths in the business services and finance, and government and other services sectors.

Services contributed 0.06 percentage points to the downward revision to UK GDP, the biggest contributor. Within services, the largest contributor to the downward revision is business services and finance. However, within this section, at the more detailed level, the revisions are small and broad-based, primarily reflecting late survey returns.

Further detail on the services industries' lower level components can be found in the [Index of Services statistical bulletin](#) published on 25 May 2017.

## **Expenditure approach**

The expenditure approach to measuring GDP increased by 0.2% between Quarter 4 (Oct to Dec) 2016 and Quarter 1 (Jan to Mar) 2017.

In Quarter 1 2017, household final consumption expenditure (HHFCE) or household spending, was a smaller driver and contributor to GDP growth than in recent periods, contributing 0.2 percentage points to GDP growth. Household spending grew by 0.3% in Quarter 1 2017, which is the lowest quarter-on-quarter growth since Quarter 4 2014.

Gross fixed capital formation (GFCF) increased by 1.2% compared with Quarter 4 2016. Within GFCF, business investment grew by 0.6% in the latest quarter, due to positive contributions from other machinery and intellectual property products; partly offset by other buildings and structures. The level of business investment has remained relatively flat since Quarter 1 2015 and growth for quarter on same quarter of previous year was 0.8% in Quarter 1 2017; the first positive growth since Quarter 4 2015.

Further details regarding the business investment data can be found within the [Business investment release](#) published on 25 May 2017.

## **Income approach**

The income approach to measuring GDP increased by 0.2% in chained volume measures (0.7% in current prices seasonally adjusted) between Quarter 4 (Oct to Dec) 2016 and Quarter 1 (Jan to Mar) 2017.

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

The adjustments used to balance the three measures of GDP were larger than usual this quarter. This is most clearly seen in the alignment and balancing adjustments in the income approach (see Table 3 for balancing adjustments). The alignment adjustment is outside of the usual tolerance of plus or minus £2,000 million at plus £2,627 million. We therefore advise that the growth rates of the individual income components are taken in the context of the adjustments that have been applied. This is particularly the case for gross operating surplus of corporations where large adjustments have been applied, see the balancing adjustments table in section 7.

Within the income measure of GDP, three of the four components showed growth between Quarter 4 2016 and Quarter 1 2017. Gross operating surplus of corporations, the profits of companies, showed positive growth of 5.3%.

Compensation of employees, which includes wages and salaries and employers' social contributions, showed positive growth of 0.6% seasonally adjusted in Quarter 1 2017. Non-seasonally adjusted, growth was chiefly driven by strong positive growth in private sector wages and salaries, in turn driven by bonus payments typically made at Quarter 1 and a smaller fall in growth in private sector jobs than seen in previous Quarter 1s'. This was partially offset by a small fall in public sector wages and salaries.

Taxes on production less subsidies showed a decrease of 7.4%. This fall was driven by Value Added Tax receipts falling by 9.5% in Quarter 1 2017 after a strong Quarter 4 2016 and subsidies on production increasing by 10.2%.

## **GDP per head for Quarter 1 (Jan to Mar) 2017**

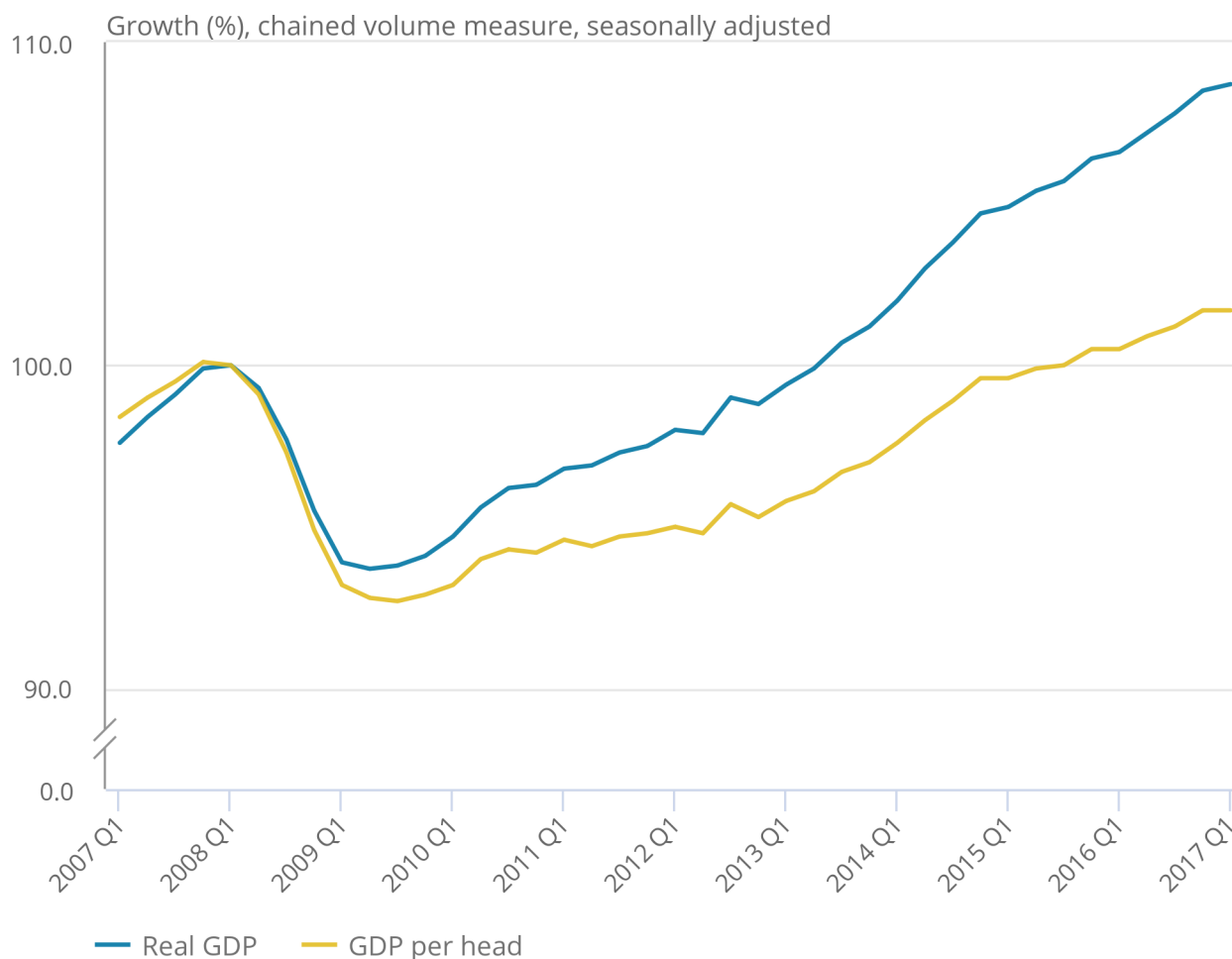
In Quarter 1 (Jan to Mar) 2017, gross domestic product (GDP) per head was flat compared with Quarter 4 (Oct to Dec) 2016. GDP per head is now 1.7% above the GDP pre-downturn peak in Quarter 1 2008, having surpassed it in Quarter 4 2015 (Figure 2).

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

Quarter 1 (Jan to Mar) 2007 to Quarter 1 (Jan to Mar) 2017

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

Quarter 1 (Jan to Mar) 2007 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics

**Source: Office for National Statistics**

**Notes:**

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

GDP per head is calculated by dividing GDP in chained volume measures by the latest population estimates and projections. The [population estimates](#) used in this release are those published on 23 June 2016 and the [population projections](#) used are those published on 29 October 2015.

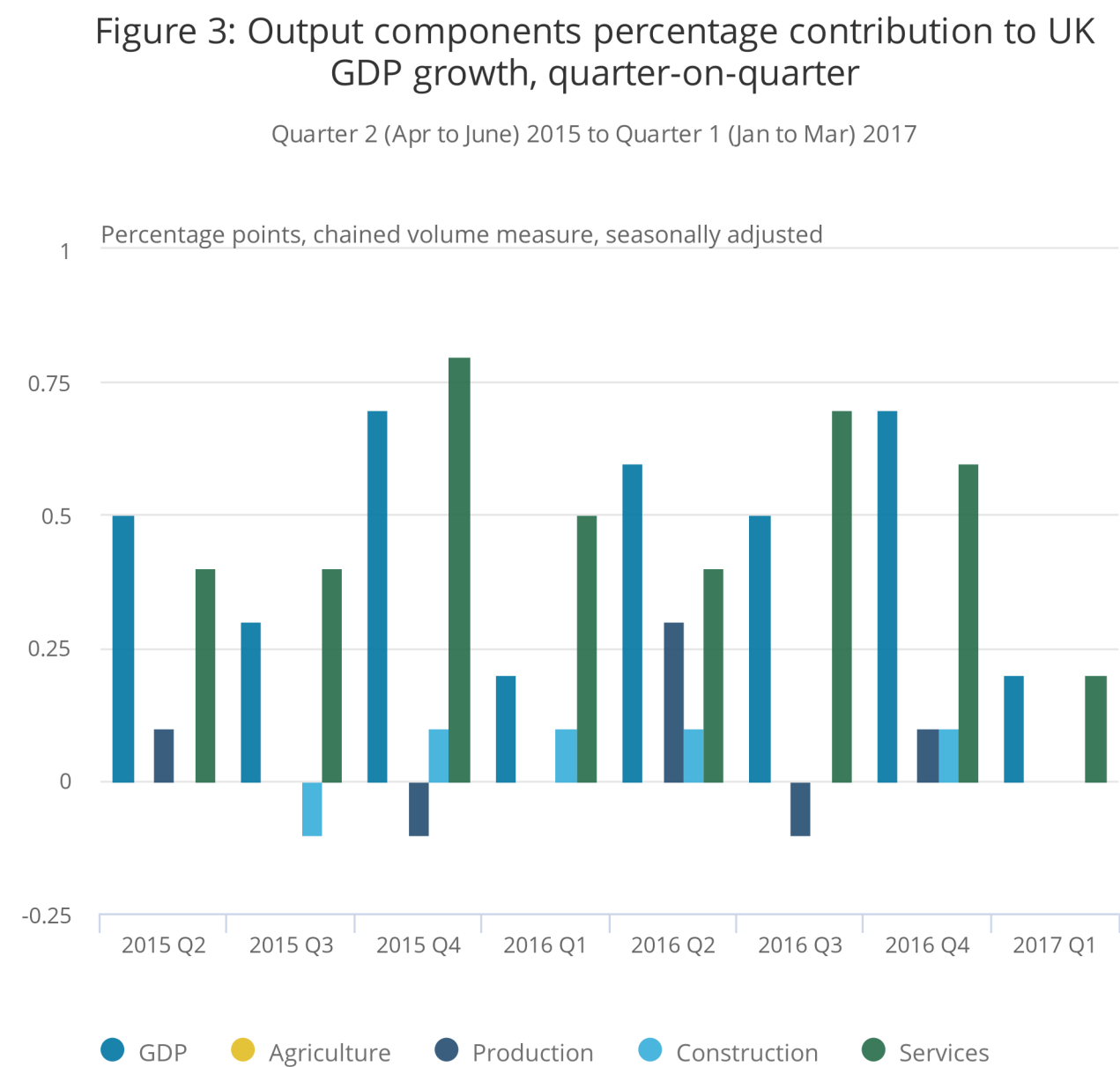
#### **4 . What are the main contributors from the output, income and expenditure approaches to GDP growth?**

The largest component within the output approach of gross domestic product (GDP) is the services industry with a weight of 78.8%.



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

Quarter 2 (Apr to June) 2015 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics

Source: Office for National Statistics

Notes:

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

Figure 3 shows the services industry has been the main contributor to GDP growth in Quarter 1 (Jan to Mar) 2017, contributing 0.2 percentage points to the 0.2% UK GDP quarterly growth. Within services, the largest contributor to growth was business services and finance.

Figure 4 shows the quarterly contribution of the expenditure components to the growth of GDP in chained volume measures. For Quarter 1 2017, the largest positive contribution to GDP came from gross capital formation, which contributed 1.2 percentage points. The negative contribution to GDP came from net trade, which contributed a negative 1.4 percentage points. The contributions from net trade and gross capital formation are partially offsetting as data for non-monetary gold – a key driver behind the movements in net trade (trade in goods) and gross capital formation (acquisitions less disposals of valuables component) – feeds into both components but offset each other, in effect making non-monetary gold GDP neutral. This article provides further details on [the treatment of non-monetary gold within national accounts](#).

Within net trade, there has been a rise in total imports, which have contributed negatively to UK GDP, with a notable contribution from transport equipment, machinery and chemicals.

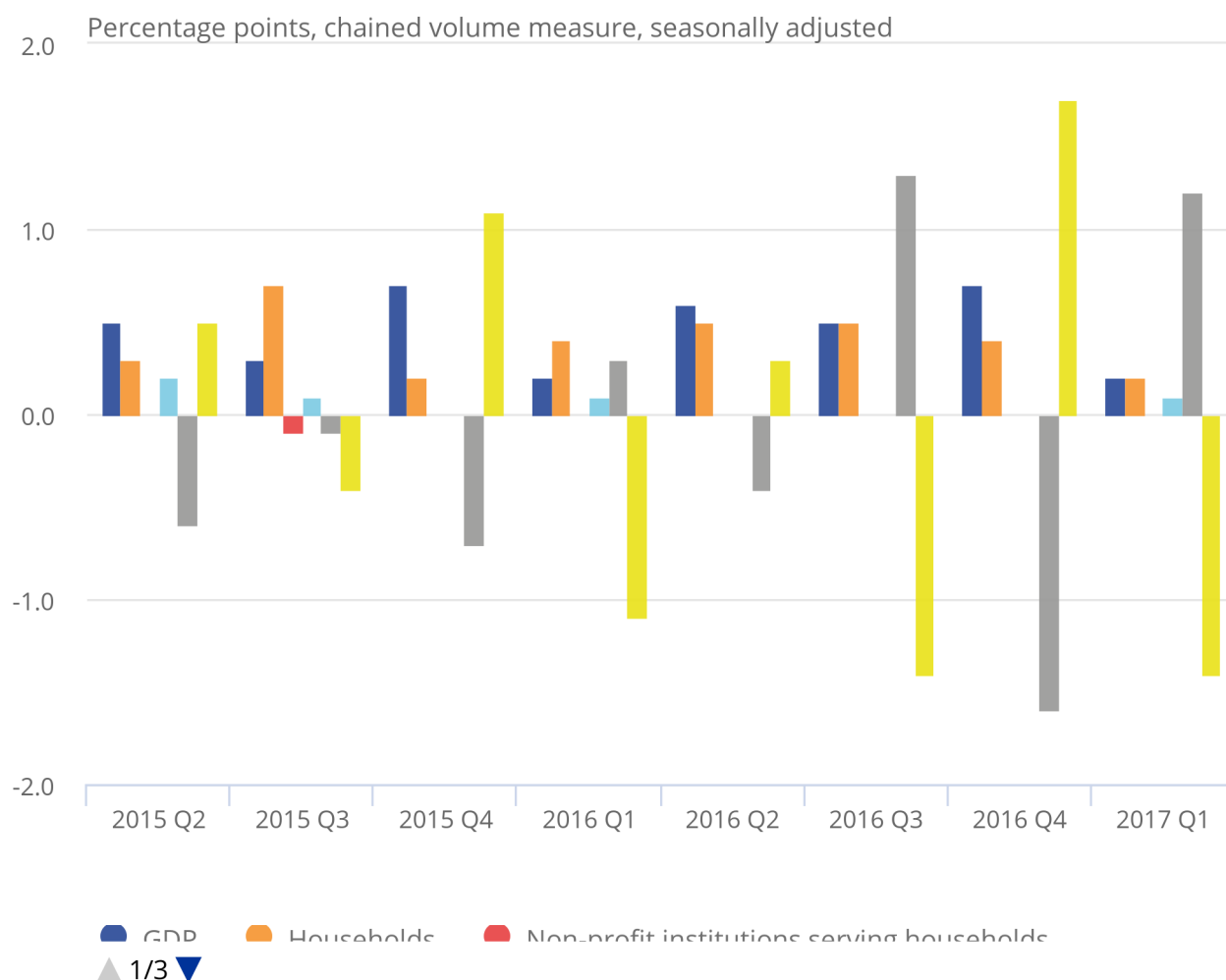
In the latest quarter, household final consumption expenditure (the largest component within expenditure (60%)) has continued to make a positive contribution to GDP although it is a smaller contribution than in more recent periods; 0.2 percentage points in Quarter 1 2017.

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

Quarter 2 (Apr to June) 2015 to Quarter 1 (Jan to Mar) 2017

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

Quarter 2 (Apr to June) 2015 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics

**Source: Office for National Statistics**

**Notes:**

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec)
2. This chart does not include the statistical discrepancy and components may not sum to the percentage change in average GDP

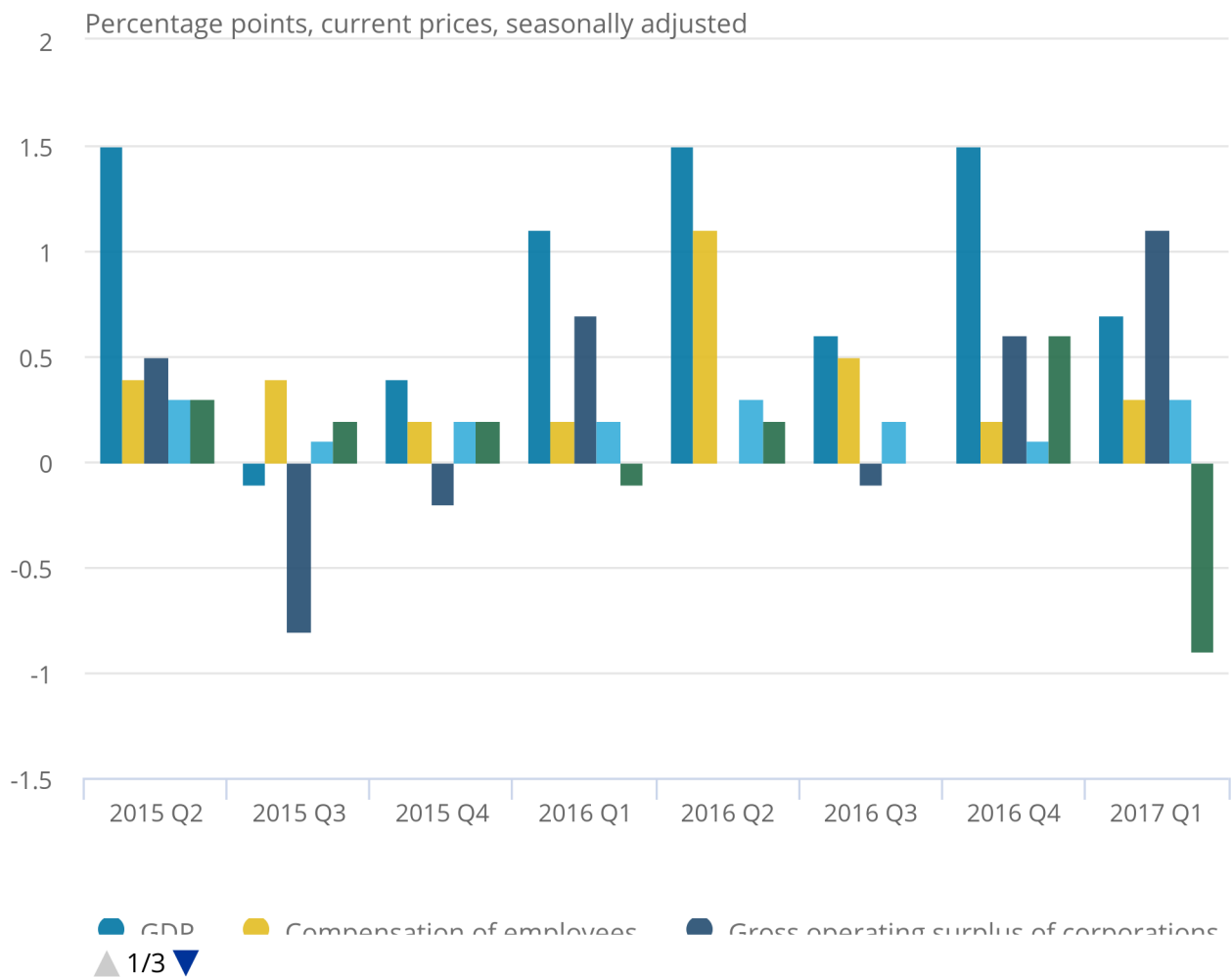
Figure 5 shows the contribution made by income components to current price GDP. In Quarter 1 2017, the largest positive contribution to GDP came from gross operating surplus of corporations, which contributed 1.1 percentage points. As noted earlier, we advise some caution in the interpretation of quarter-on-quarter movements in the income components for Quarter 1 2017.

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

Quarter 2 (Apr to June) 2015 to Quarter 1 (Jan to Mar) 2017

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

Quarter 2 (Apr to June) 2015 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics

Source: Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. This chart does not include the statistical discrepancy and components may not sum to the percentage change in average GDP.

## 5 . 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 published by the Organisation for Economic Co-operation and Development (OECD) at the time of preparation of this statistical bulletin and may subsequently have been revised.

During Quarter 1 (Jan to Mar) 2017, the UK experienced growth of 0.2%, equal to that of the USA and Italy. Germany experienced the highest growth at 0.6%.

All of the areas included within our international comparisons saw positive growth in Quarter 1 2017. Japan experienced growth of 0.5% whilst France experienced growth of 0.3% (Table 2). The European Union (EU28) grew by 0.5% (Figure 6), marking 16 consecutive quarters of positive growth, and in the same period, the group of Euro Area countries (EA19) grew by 0.5%.

All G7 countries are currently above pre-economic downturn peaks except for Italy whose gross domestic product (GDP) remains 7.1% below the pre-downturn peak (Quarter 1 2008). The USA shows signs of the strongest recovery at 13.1%. The UK has the second strongest rate at 8.7%, whilst Germany and France have rates of 8.5% and 4.8% respectively.

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 the Office for National Statistics.

**Table 2: International GDP growth rate comparisons, chained volume measure, seasonally adjusted, Quarter on previous quarter percentage growth rates, Quarter 1 (Jan to Mar) 2014 to Quarter 1 (Jan to Mar) 2017**

	% growth <sup>1</sup>									
	EU28 <sup>2</sup>	EA19 <sup>3</sup>	G7 <sup>4</sup>	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2015	0.8	0.8	0.5	0.6	0.2	0.3	0.3	-0.2	1.2	0.5
Q2 2015	0.4	0.4	0.4	0.0	0.5	0.4	0.5	-0.1	-0.1	0.6
Q3 2015	0.4	0.3	0.4	0.4	0.2	0.1	0.3	0.6	0.2	0.5
Q4 2015	0.5	0.4	0.2	0.2	0.4	0.2	0.7	0.1	-0.3	0.2
Q1 2016	0.5	0.6	0.4	0.6	0.7	0.4	0.2	0.7	0.6	0.2
Q2 2016	0.4	0.3	0.3	-0.1	0.5	0.1	0.6	-0.3	0.4	0.4
Q3 2016	0.4	0.4	0.6	0.2	0.2	0.3	0.5	0.9	0.2	0.9
Q4 2016	0.6	0.5	0.5	0.5	0.4	0.2	0.7	0.6	0.3	0.5
Q1 2017	0.5	0.5	0.3	0.3	0.6	0.2	0.2	..	0.5	0.2

Sources: Office for National Statistics and Organisation for Economic Co-operation and Development

Notes:

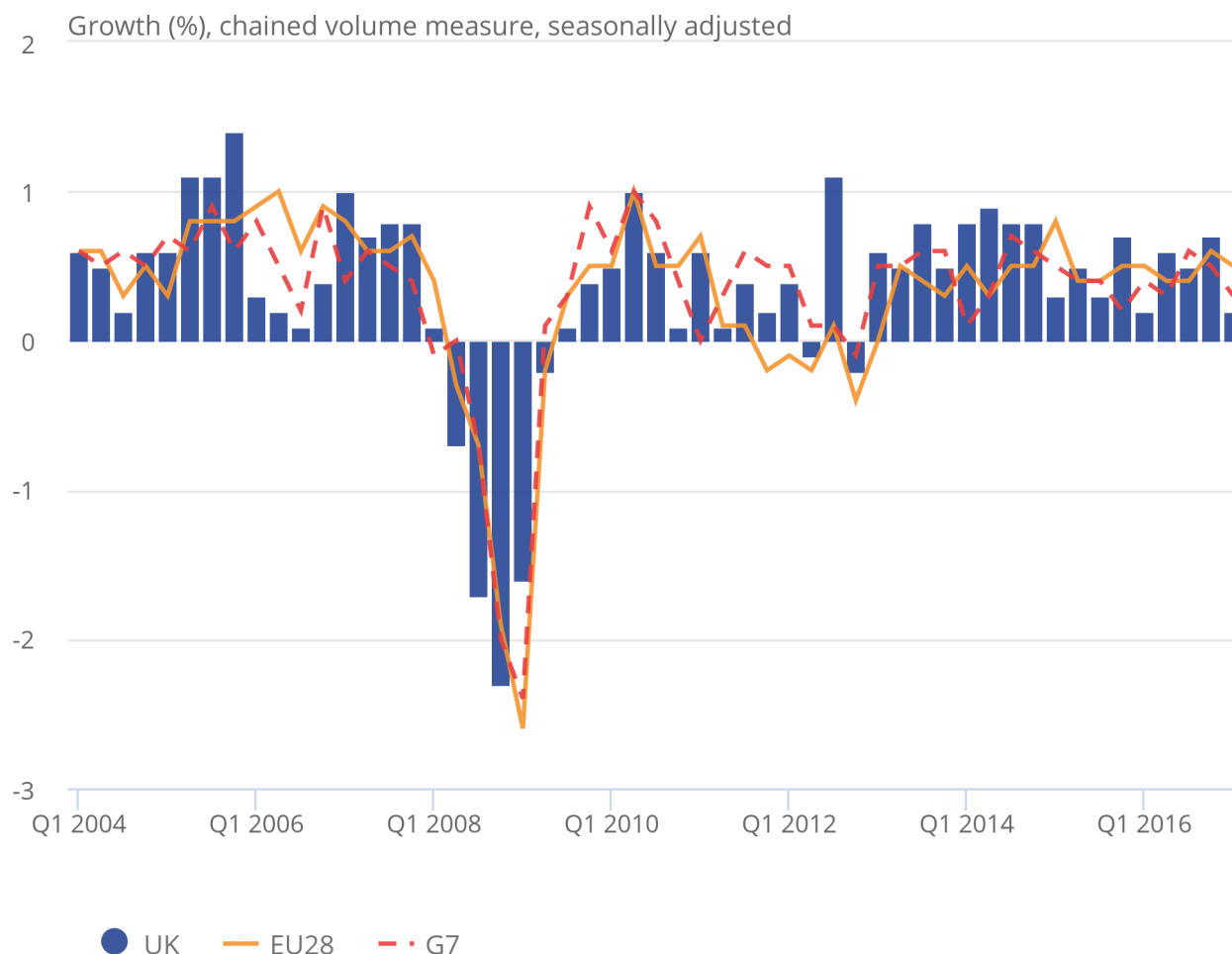
1. Percentage change on previous period
2. EU28 is the European Union.
3. EA19 is the eurozone.
4. G7 is the Group of Seven countries.
5. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
6. Non UK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

**Figure 6: International GDP growth rates, quarter-on-quarter**

Quarter 1 (Jan to Mar) 2004 to Quarter 1 (Jan to Mar) 2017

Figure 6: International GDP growth rates, quarter-on-quarter

Quarter 1 (Jan to Mar) 2004 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics, Organisation for Economic Co-operation and Development

Source: Office for National Statistics, Organisation for Economic Co-operation and Development

**Notes:**

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

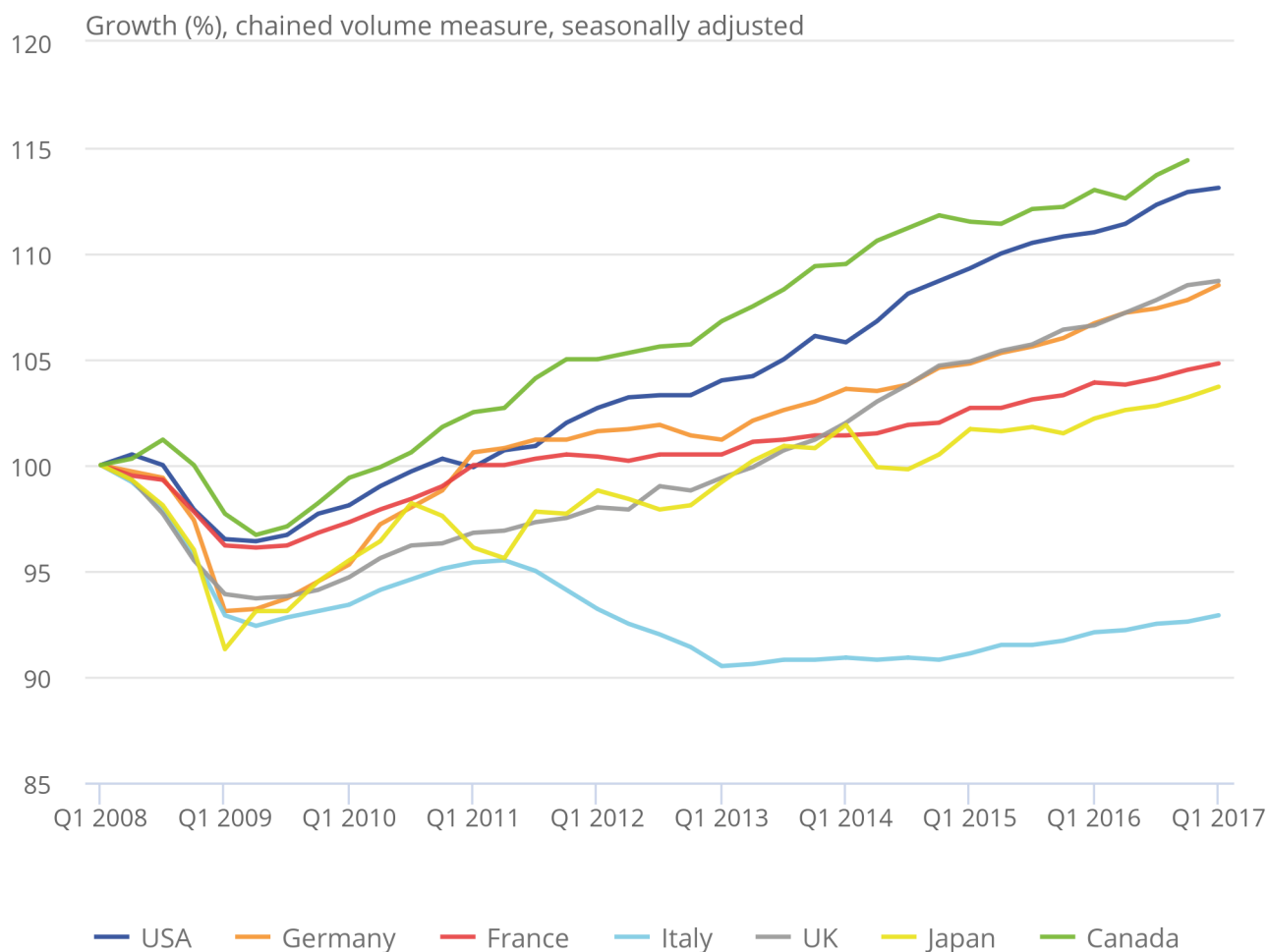
Figure 7 shows GDP for the USA, Germany, France, Italy, UK, Japan and Canada all indexed to Quarter 1 2008 (the pre-downturn peak in the UK) to allow comparison of each since that period.

**Figure 7: Group of Seven GDP growth rates indexed to Quarter 1 (Jan to Mar) 2008**

Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2017

**Figure 7: Group of Seven GDP growth rates indexed to Quarter 1 (Jan to Mar) 2008**

Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2017



Source: Office for National Statistics, Organisation for Economic Co-operation and Development

Source: Office for National Statistics, Organisation for Economic Co-operation and Development

#### Notes:

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

## 6 . Links to related statistics



## Release policy

This release includes data available up to 17 May 2017. Data are consistent with that within the [Index of Production statistical bulletin](#), the [Construction output in Great Britain](#) and the [UK trade statistical bulletin](#) (trade in goods data only), which were published on 11 May 2017.

## Release content

Data included within this release are seasonally adjusted, however, non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). This 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 31 March 2017 and will be next updated on 30 June 2017 when the Quarter 1 (Jan to Mar) 2017 Quarterly National Accounts release and UKEA will become consistent.

## Economic context

We publish a [monthly economic commentary](#), which may be useful as it gives economic commentary on the latest GDP estimate and our other economic releases. The most recent article has been published on 25 May 2017.

## VAT project

The [latest VAT turnover research article](#) was published on 2 February 2017 and shared the latest information on our plans for implementation of this new data source within the national accounts. This research article elaborates on the statistical and processing methodology that we are developing to overcome the challenges presented when using an administrative data source such as VAT turnover data. The next article updating on our implementation progress is due for publication on 1 June 2017. Please contact us with your views or questions: [vatdev@ons.gsi.gov.uk](mailto:vatdev@ons.gsi.gov.uk)

## 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 25 May 2017.

## Index of Services

The [Index of Services publication](#) has been published on 25 May 2017 and includes data for March 2017.

## User feedback

As part of our policy of continuous improvement, we welcome your views, via a short [survey](#), on the second estimate of GDP bulletin and associated datasets.

## 7 . Are there any upcoming changes?

In the [impact of methodological changes to chain-linking on gross domestic product](#) article we informed you that in Blue Book 2017 the reference year and last base year will move forward 2 years to 2015 and, pending the outcome of further analysis, we would investigate the feasibility of further moving the last base year on when the data for the most recent year are formed.

We have now completed this feasibility analysis and have concluded that we will not move the last base year beyond 2015 in Blue Book 2017. Therefore, the reference year and last base year for Blue Book 2017 and the Blue Book-consistent Quarterly National Accounts due for publication on 29 September 2017 will be 2015.

Further methodological work will continue to develop an approach to further moving on the last base year.

### Corrections to be aware of

We informed you on 25 November 2016 that, following a quality review, a processing error had been identified in the compilation of the estimates for the rail transport industry (49.1-2), which affects the period Quarter 1 (Jan to Mar) 1997 to Quarter 2 (Apr to June) 2016. In line with the National Accounts Revision Policy, this error has been corrected in the Index of Services and Quarterly National Accounts published on 23 December 2016 for data from Quarter 1 2015. Data prior to 2015 will be corrected when next open for revision with Blue Book 2017-consistent releases due for publication on 29 September 2017. The average impact over this period on quarter-on-quarter Index of Services and GDP growth is 0.00%.

Following a quality review it has been identified that the methodology used to estimate elements of purchased software within gross fixed capital formation (GFCF) has led to some double-counting from 1997 onwards. When this issue is resolved in Blue Book 2017 it will reduce the level of GFCF across the period by around 1.1% per year. The average impact on quarter-on-quarter GFCF growth is negative 0.02% and the average impact on quarter-on-quarter GDP growth is 0.00%.

## 8 . Quality and methodology

The [Gross domestic product](#) (GDP) Quality and Methodology Information document 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 paper](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations. In addition to this analysis, Section 11 of the [revisions to gross domestic product in Blue Book 2016 article](#) updates the metrics used to test revisions performance in order to answer the question “Is GDP biased?”.

## Reaching the GDP balance

The different data content 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 than in either of the other two approaches. However, in order to obtain the best estimate of GDP (the published figure), the estimates from all three approaches are balanced to produce an average, except in the latest quarter where the output data takes the lead due to its larger data content.

Information on the methods we use for [balancing the output, income and expenditure approaches to measuring GDP](#) is available.

Alignment adjustments, found in Table M of the [second estimate of GDP data tables](#) 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, slightly larger alignment adjustments are sometimes needed and this has been the case for the income approach in Quarter 1 (Jan to Mar) 2017. To achieve this balance through alignment, balancing adjustments are applied to the expenditure and income components of GDP as required. They are applied to those individual components where data content is particularly weak in a given quarter due to a high level of forecast content. Balancing adjustments are larger than usual in Quarter 1 (Jan to Mar) 2017.

The size and direction of the quarterly alignment adjustments in Quarter 1 2017 indicate that in this quarter the level of expenditure and income are lower than the level of output.

Table 3 shows the balancing adjustments applied to the GDP estimates in this publication.

**Table 3: Balancing adjustments applied to the UK GDP, second estimate of GDP dataset for Quarter 1 (Jan to Mar) 2017**

	£ million
GDP measurement approach and component adjustment applied to	Q1 2017
Income	
Compensation of employees	
Current prices	+300
Gross operating surplus of corporations <sup>3</sup>	
Current prices	+2750
Other Income <sup>4</sup>	
Current prices	+550

Source: Office for National Statistics

Notes:

1. Adjustments are in £ million
2. Q1 refers to Quarter 1 (Jan to Mar)
3. Including financial corporations and public corporations.
4. Other income includes mixed income and the operating surplus of the non-corporate sectors.

## Further information

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

# A1 Gross domestic product and gross value added<sup>1</sup>

2013 = 100

	Value indices at current prices		Chained volume indices			Implied deflators <sup>2</sup>		
	Gross domestic product at market prices	Gross value added at basic prices	Gross domestic product at market prices	Gross value added at basic prices	Market sector gross value added	Gross domestic expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	L48H	YBFV	YBGB	CGBV
2013	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	104.8	104.7	103.1	103.4	103.8	101.1	101.6	101.3
2015	107.7	107.6	105.3	105.9	107.0	101.3	102.2	101.6
2016	111.5	111.2	107.2	107.8	110.2	103.1	104.0	103.2
<b>Seasonally adjusted</b>								
2013 Q4	101.2	101.0	100.9	100.7	100.8	100.5	100.4	100.3
2014 Q1	102.7	102.6	101.7	101.8	102.0	101.1	101.0	100.8
Q2	104.6	104.5	102.7	102.9	103.3	101.2	101.9	101.5
Q3	105.7	105.9	103.5	104.0	104.4	101.2	102.1	101.8
Q4	106.1	105.8	104.4	104.9	105.6	100.9	101.6	100.9
2015 Q1	106.4	106.6	104.6	105.1	106.2	100.7	101.7	101.4
Q2	108.0	108.0	105.1	105.7	106.7	101.6	102.7	102.3
Q3	107.9	107.7	105.4	106.0	107.2	101.4	102.4	101.7
Q4	108.3	107.9	106.1	106.7	108.1	101.6	102.1	101.1
2016 Q1	109.5	109.3	106.3	106.9	108.7	102.2	103.0	102.3
Q2	111.2	111.0	106.9	107.5	109.7	103.1	103.9	103.3
Q3	111.9	111.8	107.5	108.0	110.6	103.2	104.1	103.5
Q4	113.5	112.8	108.2	108.7	111.7	103.7	104.9	103.8
2017 Q1	114.3	114.9	108.4	108.9	111.8	104.3	105.5	105.5
<b>Percentage change, latest year on previous year</b>								
	IHYM	KGL6	IHYP	KGM7	L489	KH7D	IHYS	KGM4
2013	3.9	3.7	1.9	1.4	1.5	1.2	1.9	2.3
2014	4.8	4.7	3.1	3.4	3.8	1.1	1.6	1.3
2015	2.8	2.8	2.2	2.4	3.1	0.2	0.6	0.3
2016	3.6	3.4	1.8	1.8	2.9	1.7	1.7	1.6
<b>Percentage change, latest quarter on previous quarter</b>								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2013 Q4	0.4	0.3	0.5	0.5	0.6	0.1	–	–0.2
2014 Q1	1.4	1.6	0.8	1.0	1.2	0.6	0.6	0.5
Q2	1.8	1.9	0.9	1.1	1.2	0.1	0.9	0.7
Q3	1.1	1.3	0.8	1.0	1.1	0.1	0.2	0.3
Q4	0.4	–0.1	0.8	0.9	1.1	–0.3	–0.5	–0.9
2015 Q1	0.3	0.8	0.3	0.2	0.5	–0.2	0.1	0.5
Q2	1.5	1.4	0.5	0.5	0.5	0.8	1.0	0.9
Q3	–0.1	–0.3	0.3	0.3	0.4	–0.2	–0.3	–0.6
Q4	0.4	0.2	0.7	0.7	0.9	0.2	–0.3	–0.5
2016 Q1	1.1	1.3	0.2	0.1	0.5	0.6	0.9	1.2
Q2	1.5	1.6	0.6	0.6	1.0	0.9	0.9	1.0
Q3	0.6	0.6	0.5	0.5	0.8	0.1	0.1	0.2
Q4	1.5	0.9	0.7	0.6	1.0	0.5	0.8	0.3
2017 Q1	0.7	1.9	0.2	0.2	0.2	0.6	0.6	1.6
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2013 Q4	3.6	3.4	2.4	1.7	2.1	0.8	1.2	1.7
2014 Q1	4.1	3.7	2.6	2.4	2.8	1.7	1.4	1.3
Q2	5.3	5.1	3.1	3.3	3.6	1.4	2.2	1.8
Q3	4.9	5.1	3.1	3.7	4.2	0.9	1.7	1.3
Q4	4.8	4.7	3.5	4.1	4.7	0.4	1.3	0.6
2015 Q1	3.6	3.9	2.8	3.3	4.0	–0.3	0.7	0.6
Q2	3.2	3.4	2.4	2.6	3.3	0.4	0.8	0.7
Q3	2.1	1.8	1.8	2.0	2.6	0.2	0.2	–0.2
Q4	2.1	2.0	1.7	1.8	2.3	0.7	0.4	0.2
2016 Q1	2.9	2.6	1.6	1.7	2.4	1.5	1.3	0.9
Q2	3.0	2.8	1.7	1.7	2.8	1.5	1.2	1.0
Q3	3.7	3.7	2.0	1.9	3.2	1.8	1.7	1.8
Q4	4.8	4.5	1.9	1.8	3.3	2.1	2.8	2.6
2017 Q1	4.4	5.1	2.0	1.9	2.9	2.1	2.4	3.1

<sup>1</sup> Estimates cannot be regarded as accurate to the last digit shown.

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

# A2 Gross domestic product and gross value added<sup>1</sup>

£ million

	At current prices			Chained volume measures (Reference year 2013)			
	Gross domestic product at market prices	less Basic price adjustment <sup>2</sup>	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment <sup>2</sup>	Gross value added at basic prices	Gross value added excluding oil & gas <sup>3</sup>
	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2013	1 739 563	188 010	1 551 553	1 739 563	188 010	1 551 553	1 529 692
2014	1 822 480	198 204	1 624 276	1 792 976	188 807	1 604 169	1 582 544
2015	1 872 714	203 522	1 669 192	1 832 318	189 516	1 642 802	1 618 868
2016	1 939 637	213 677	1 725 960	1 865 410	193 326	1 672 084	1 647 311
<b>Seasonally adjusted</b>							
2013 Q4	440 312	48 513	391 799	438 707	47 878	390 771	385 266
2014 Q1	446 657	48 756	397 901	442 425	47 610	394 815	389 313
Q2	454 849	49 491	405 358	446 519	47 221	399 298	393 850
Q3	459 678	49 058	410 620	450 141	46 875	403 266	397 954
Q4	461 296	50 899	410 397	453 891	47 101	406 790	401 427
2015 Q1	462 745	49 254	413 491	455 026	47 238	407 788	402 323
Q2	469 585	50 495	419 090	457 214	47 408	409 806	403 684
Q3	469 289	51 354	417 935	458 456	47 316	411 140	404 894
Q4	471 095	52 419	418 676	461 622	47 554	414 068	407 967
2016 Q1	476 126	51 975	424 151	462 333	47 785	414 548	408 508
Q2	483 464	52 731	430 733	465 113	48 166	416 947	410 749
Q3	486 478	52 960	433 518	467 437	48 499	418 938	412 405
Q4	493 569	56 011	437 558	470 527	48 876	421 651	415 649
2017 Q1	497 209	51 535	445 674	471 388	48 883	422 505	416 378
<b>Percentage change, latest year on previous year</b>							
	IHYM		KGL6	IHYP		KGM7	KLH8
2013	3.9		3.7	1.9		1.4	1.5
2014	4.8		4.7	3.1		3.4	3.5
2015	2.8		2.8	2.2		2.4	2.3
2016	3.6		3.4	1.8		1.8	1.8
<b>Percentage change, latest quarter on previous quarter</b>							
	IHYN		KGL8	IHYQ		KGM9	
2013 Q4	0.4		0.3	0.5		0.5	0.6
2014 Q1	1.4		1.6	0.8		1.0	1.1
Q2	1.8		1.9	0.9		1.1	1.2
Q3	1.1		1.3	0.8		1.0	1.0
Q4	0.4		-0.1	0.8		0.9	0.9
2015 Q1	0.3		0.8	0.3		0.2	0.2
Q2	1.5		1.4	0.5		0.5	0.3
Q3	-0.1		-0.3	0.3		0.3	0.3
Q4	0.4		0.2	0.7		0.7	0.8
2016 Q1	1.1		1.3	0.2		0.1	0.1
Q2	1.5		1.6	0.6		0.6	0.5
Q3	0.6		0.6	0.5		0.5	0.4
Q4	1.5		0.9	0.7		0.6	0.8
2017 Q1	0.7		1.9	0.2		0.2	0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	IHYO		KGM2	IHYR		KGN3	KLH9
2013 Q4	3.6		3.4	2.4		1.7	1.7
2014 Q1	4.1		3.7	2.6		2.4	2.4
Q2	5.3		5.1	3.1		3.3	3.3
Q3	4.9		5.1	3.1		3.7	3.9
Q4	4.8		4.7	3.5		4.1	4.2
2015 Q1	3.6		3.9	2.8		3.3	3.3
Q2	3.2		3.4	2.4		2.6	2.5
Q3	2.1		1.8	1.8		2.0	1.7
Q4	2.1		2.0	1.7		1.8	1.6
2016 Q1	2.9		2.6	1.6		1.7	1.5
Q2	3.0		2.8	1.7		1.7	1.8
Q3	3.7		3.7	2.0		1.9	1.9
Q4	4.8		4.5	1.9		1.8	1.9
2017 Q1	4.4		5.1	2.0		1.9	1.9

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

2 Taxes on products less subsidies.

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

# B1 Gross value added at chained volume measures basic prices, by category of output<sup>1,2</sup>

2013 = 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 <sup>4</sup>	
<b>2013 Weights<sup>3</sup></b>	7	18	103	15	11	146	59	136	106	317	229	788	1000	986
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2013	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
2014	113.9	100.6	102.9	94.0	100.7	101.5	108.0	104.8	103.0	103.9	101.7	103.3	103.4	103.5
2015	115.3	109.1	102.7	94.4	104.1	102.7	113.4	109.5	106.8	106.9	102.2	106.0	105.9	105.8
2016	111.4	109.7	103.5	96.0	109.9	103.9	116.1	115.1	110.8	109.5	103.8	109.0	107.8	107.7
<b>Seasonally adjusted</b>														
2013 Q4	102.2	101.1	100.6	97.8	103.1	100.6	102.8	101.1	99.7	101.0	100.1	100.6	100.7	100.7
2014 Q1	110.6	100.9	102.2	92.5	103.0	101.1	105.1	102.6	100.5	101.9	101.0	101.6	101.8	101.8
Q2	112.6	101.3	102.8	93.1	99.9	101.4	107.1	104.2	102.3	103.2	101.7	102.8	102.9	103.0
Q3	114.8	99.4	103.1	96.1	99.2	101.7	109.8	105.4	103.9	104.5	102.1	103.9	104.0	104.1
Q4	117.8	100.8	103.4	94.1	100.5	101.9	110.1	107.0	105.2	106.0	102.1	104.9	104.9	105.0
2015 Q1	114.1	102.6	103.3	96.0	101.0	102.3	113.1	108.0	105.5	106.2	101.6	105.1	105.1	105.2
Q2	115.2	110.8	102.8	93.7	105.0	102.9	113.8	109.0	106.4	106.4	102.0	105.6	105.7	105.6
Q3	115.7	112.7	102.3	94.9	105.0	103.0	112.8	109.8	107.0	107.0	102.3	106.1	106.0	105.9
Q4	116.1	110.2	102.5	92.9	105.5	102.6	113.8	111.1	108.3	108.0	103.0	107.1	106.7	106.7
2016 Q1	112.2	107.3	102.2	93.2	108.1	102.3	115.2	113.1	108.7	108.4	103.5	107.8	106.9	106.8
Q2	110.8	109.8	104.0	98.4	110.3	104.6	116.2	114.1	109.3	109.2	103.6	108.5	107.5	107.4
Q3	110.8	114.8	103.2	94.2	110.1	104.2	115.8	115.4	112.1	109.9	103.9	109.4	108.0	107.8
Q4	111.8	106.8	104.5	97.9	111.1	104.6	117.0	117.8	113.1	110.4	104.2	110.2	108.7	108.7
2017 Q1	112.1	108.8	104.9	93.7	111.9	104.7	117.3	117.0	112.8	111.1	104.7	110.5	108.9	108.9
<b>Percentage change, latest year on previous year</b>														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2013	0.7	-2.7	-1.0	-0.2	4.3	-0.7	1.5	3.5	1.8	2.1	0.3	1.8	1.4	1.5
2014	13.9	0.6	2.9	-6.0	0.7	1.5	8.0	4.8	3.0	3.9	1.7	3.3	3.4	3.5
2015	1.2	8.4	-0.2	0.5	3.4	1.2	4.9	4.5	3.7	2.9	0.5	2.6	2.4	2.3
2016	-3.4	0.6	0.7	1.7	5.6	1.2	2.4	5.1	3.7	2.4	1.6	2.9	1.8	1.8
<b>Percentage change, latest quarter on previous quarter</b>														
													KGM9	
2013 Q4	1.3	-0.7	0.4	1.5	0.5	0.4	1.3	0.3	0.2	0.7	0.4	0.5	0.5	0.6
2014 Q1	8.2	-0.2	1.6	-5.4	-0.1	0.5	2.3	1.4	0.8	0.9	0.9	1.0	1.0	1.1
Q2	1.8	0.4	0.6	0.6	-3.0	0.3	1.9	1.6	1.8	1.3	0.7	1.2	1.1	1.2
Q3	2.0	-2.0	0.3	3.3	-0.7	0.2	2.5	1.1	1.6	1.2	0.4	1.0	1.0	1.0
Q4	2.6	1.4	0.3	-2.1	1.3	0.3	0.3	1.6	1.2	1.5	-0.1	1.0	0.9	0.9
2015 Q1	-3.1	1.8	-0.1	2.1	0.5	0.4	2.7	0.9	0.3	0.2	-0.5	0.1	0.2	0.2
Q2	1.0	8.1	-0.5	-2.5	4.0	0.6	0.6	0.9	0.9	0.2	0.5	0.5	0.5	0.3
Q3	0.5	1.7	-0.4	1.4	-	0.1	-0.9	0.8	0.5	0.5	0.2	0.5	0.3	0.3
Q4	0.3	-2.3	0.1	-2.2	0.5	-0.4	1.0	1.2	1.2	0.9	0.7	1.0	0.7	0.8
2016 Q1	-3.4	-2.6	-0.3	0.4	2.5	-0.3	1.2	1.8	0.4	0.4	0.5	0.7	0.1	0.1
Q2	-1.2	2.3	1.8	5.6	2.0	2.2	0.9	0.9	0.6	0.7	0.1	0.6	0.6	0.5
Q3	-	4.5	-0.7	-4.3	-0.1	-0.4	-0.3	1.1	2.6	0.7	0.3	0.9	0.5	0.4
Q4	1.0	-6.9	1.2	4.0	0.9	0.4	1.0	2.0	0.8	0.5	0.3	0.8	0.6	0.8
2017 Q1	0.3	1.8	0.3	-4.3	0.7	0.1	0.2	-0.6	-0.2	0.6	0.4	0.2	0.2	0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KI12	KI19	KI18	L44Q	KGN3	KLH9
2013 Q4	3.7	6.5	1.2	-4.6	7.0	1.9	5.5	3.8	0.6	1.9	-0.1	1.4	1.7	1.7
2014 Q1	12.6	3.1	3.0	-10.8	7.1	1.9	8.4	4.2	-0.2	2.7	0.7	2.0	2.4	2.4
Q2	13.9	2.1	2.9	-8.8	1.9	1.5	8.5	4.5	2.3	3.8	1.9	3.1	3.3	3.3
Q3	13.9	-2.4	2.9	-0.2	-3.3	1.4	8.2	4.6	4.4	4.2	2.4	3.7	3.7	3.9
Q4	15.3	-0.3	2.8	-3.8	-2.5	1.3	7.1	5.9	5.5	4.9	1.9	4.3	4.1	4.2
2015 Q1	3.2	1.6	1.1	3.8	-1.9	1.2	7.5	5.3	5.0	4.2	0.6	3.4	3.3	3.3
Q2	2.4	9.3	-0.1	0.6	5.1	1.5	6.2	4.5	4.1	3.1	0.3	2.7	2.6	2.5
Q3	0.8	13.4	-0.8	-1.2	5.8	1.3	2.7	4.2	2.9	2.4	0.1	2.1	2.0	1.7
Q4	-1.5	9.3	-0.9	-1.3	4.9	0.7	3.4	3.8	2.9	1.9	0.9	2.1	1.8	1.6
2016 Q1	-1.7	4.6	-1.1	-2.9	7.1	-	1.8	4.8	3.0	2.1	1.9	2.6	1.7	1.5
Q2	-3.8	-0.9	1.2	5.1	5.0	1.6	2.1	4.7	2.7	2.6	1.5	2.7	1.7	1.8
Q3	-4.3	1.8	0.9	-0.8	4.9	1.2	2.7	5.1	4.8	2.8	1.6	3.1	1.9	1.9
Q4	-3.7	-3.0	2.0	5.4	5.3	1.9	2.8	6.0	4.4	2.3	1.2	2.9	1.8	1.9
2017 Q1	-	1.4	2.6	0.5	3.5	2.3	1.9	3.5	3.8	2.4	1.1	2.4	1.9	1.9

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<sup>1,2</sup>

2013 = 100

Service industries											
	Wholesale and retail trade	Transport, storage and information comms	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services <sup>4</sup>	Total services
<b>2013 Weights<sup>3</sup></b>	107	106	29	76	122	119	52	63	74	40	788
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2013	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2014	105.2	103.0	103.1	98.2	103.6	107.9	98.4	101.2	102.0	106.3	103.3
2015	110.0	106.8	107.5	99.9	105.2	113.1	96.0	102.0	103.6	108.1	106.0
2016	115.6	110.8	113.3	102.2	106.1	117.7	94.3	102.0	107.0	113.4	109.0
<b>Seasonally adjusted</b>											
2013 Q4	101.5	99.7	99.6	98.8	101.0	102.4	99.0	100.0	100.4	101.4	100.6
2014 Q1	103.0	100.5	101.1	97.3	102.4	104.4	98.7	100.4	101.2	104.6	101.6
Q2	104.6	102.3	102.8	97.0	103.4	107.1	98.5	101.3	101.7	106.6	102.8
Q3	105.8	103.9	103.7	97.7	104.2	109.0	98.4	101.7	102.5	106.9	103.9
Q4	107.6	105.2	105.0	100.6	104.3	111.1	98.1	101.4	102.7	107.0	104.9
2015 Q1	108.4	105.5	106.5	101.1	104.6	111.2	97.2	101.7	101.7	106.8	105.1
Q2	109.6	106.4	106.7	99.2	105.1	112.3	96.2	101.9	103.4	107.3	105.6
Q3	110.5	107.0	107.2	98.4	105.6	113.9	95.3	102.3	104.2	107.7	106.1
Q4	111.5	108.3	109.6	101.0	105.6	114.8	95.2	102.2	105.1	110.6	107.1
2016 Q1	113.8	108.7	110.6	101.8	106.2	115.0	94.8	102.2	106.2	111.8	107.8
Q2	114.7	109.3	112.2	101.8	106.1	117.1	94.3	101.7	106.6	113.2	108.5
Q3	115.8	112.1	113.8	103.0	105.9	118.4	94.1	101.7	107.1	114.4	109.4
Q4	118.0	113.1	116.7	102.1	106.2	120.1	93.9	102.2	107.8	114.2	110.2
2017 Q1	116.9	112.8	117.4	102.6	106.8	121.0	93.9	102.9	108.2	115.2	110.5
<b>Percentage change, latest year on previous year</b>											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2013	5.0	1.8	-2.6	-3.3	1.9	5.8	-2.2	0.4	2.5	-0.8	1.8
2014	5.2	3.0	3.1	-1.8	3.6	7.9	-1.6	1.2	2.0	6.3	3.3
2015	4.5	3.7	4.2	1.8	1.6	4.8	-2.5	0.8	1.6	1.7	2.6
2016	5.1	3.7	5.4	2.3	0.8	4.1	-1.8	-0.1	3.2	4.9	2.9
<b>Percentage change, latest quarter on previous quarter</b>											
2013 Q4	0.5	0.2	-0.4	0.2	0.7	1.0	-0.9	0.3	0.6	1.9	0.5
2014 Q1	1.5	0.8	1.4	-1.5	1.4	1.9	-0.3	0.4	0.7	3.2	1.0
Q2	1.6	1.8	1.7	-0.3	0.9	2.6	-0.2	0.9	0.5	1.8	1.2
Q3	1.1	1.6	0.9	0.8	0.8	1.8	-0.1	0.4	0.9	0.3	1.0
Q4	1.7	1.2	1.3	3.0	0.1	1.9	-0.3	-0.3	0.2	0.1	1.0
2015 Q1	0.7	0.3	1.4	0.5	0.2	-	-1.0	0.3	-1.0	-0.2	0.1
Q2	1.1	0.9	0.2	-1.9	0.5	1.0	-1.0	0.2	1.7	0.5	0.5
Q3	0.8	0.5	0.4	-0.8	0.4	1.4	-0.9	0.4	0.8	0.3	0.5
Q4	0.9	1.2	2.3	2.7	-	0.8	-0.2	-0.1	0.8	2.8	1.0
2016 Q1	2.0	0.4	0.9	0.7	0.6	0.1	-0.4	0.1	1.1	1.1	0.7
Q2	0.8	0.6	1.5	-	-0.1	1.9	-0.5	-0.5	0.4	1.3	0.6
Q3	1.0	2.6	1.4	1.2	-0.1	1.1	-0.2	-	0.5	1.1	0.9
Q4	1.9	0.8	2.6	-0.9	0.2	1.4	-0.2	0.6	0.6	-0.2	0.8
2017 Q1	-0.9	-0.2	0.5	0.4	0.5	0.7	-	0.6	0.4	0.8	0.2
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2013 Q4	5.5	0.6	-2.6	-4.0	1.7	5.8	-3.2	-1.0	1.6	2.4	1.4
2014 Q1	5.1	-0.2	1.1	-5.2	3.2	7.4	-2.2	0.1	1.1	4.7	2.0
Q2	5.1	2.3	2.4	-3.0	3.8	8.0	-1.7	1.3	2.0	7.4	3.1
Q3	4.8	4.4	3.6	-0.9	4.0	7.6	-1.5	2.1	2.7	7.4	3.7
Q4	6.0	5.5	5.4	1.9	3.3	8.5	-0.8	1.4	2.3	5.6	4.3
2015 Q1	5.2	5.0	5.4	3.9	2.1	6.5	-1.5	1.3	0.5	2.0	3.4
Q2	4.7	4.1	3.8	2.3	1.7	4.9	-2.3	0.6	1.7	0.7	2.7
Q3	4.4	2.9	3.4	0.6	1.3	4.5	-3.1	0.5	1.7	0.7	2.1
Q4	3.6	2.9	4.4	0.4	1.2	3.3	-3.0	0.7	2.3	3.4	2.1
2016 Q1	5.0	3.0	3.8	0.7	1.6	3.4	-2.4	0.5	4.4	4.7	2.6
Q2	4.6	2.7	5.1	2.6	0.9	4.3	-2.0	-0.2	3.1	5.5	2.7
Q3	4.8	4.8	6.2	4.7	0.3	4.0	-1.3	-0.6	2.8	6.3	3.1
Q4	5.8	4.4	6.5	1.1	0.6	4.6	-1.4	0.1	2.6	3.2	2.9
2017 Q1	2.7	3.8	6.1	0.8	0.5	5.2	-1.0	0.6	1.9	3.0	2.4

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

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

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

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



# C1 Gross domestic product: expenditure at current market prices<sup>1</sup>

£ million

National expenditure on goods and services at market prices															
Final consumption expenditure						Gross capital formation								Statistical discrepancy (expenditure)	Gross domestic product at market prices
Households	Non-profit institutions <sup>2</sup>	General government	Gross fixed capital formation	Of which business investment <sup>3</sup>	Change in inventories <sup>4</sup>	Of which alignment adjustment	Acquisitions less disposals of valuables <sup>5</sup>	Total	Total exports	Gross final expenditure	less Total imports	Trade balance <sup>6</sup>			
ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2013	1 084 011	54 535	349 615	280 224	162 326	5 074	–	5 342 1	778 801 517 642 2	296 443 556 880	–39 238	–	1 739 563		
2014	1 126 230	56 672	358 529	302 495	169 254	13 073	–	1 704 1	858 703 511 654 2	370 357 547 877	–36 223	–	1 822 480		
2015	1 156 561	58 126	362 839	317 056	180 163	5 737	–	–1 064 1	899 255 517 446 2	416 701 547 234	–29 788	3 247	1 872 714		
2016	1 202 758	59 448	368 639	323 227	180 258	6 378	–	667 1	961 117 547 590 2	508 707 584 616	–37 026	15 546	1 939 637		
Seasonally adjusted															
2013 Q4	275 237	13 865	88 824	73 122	42 075	1 876	266	2 465	455 389 126 385	581 774 141 462	–15 077	–	440 312		
2014 Q1	277 150	14 000	89 016	76 308	40 185	2 611	–2 005	–685	458 400 126 083	584 483 137 826	–11 743	–	446 657		
Q2	279 459	14 119	89 072	74 741	43 020	4 506	550	–412	461 485 128 579	590 064 135 215	–6 636	–	454 849		
Q3	284 929	14 227	90 924	75 408	42 542	2 813	–413	554	468 855 126 698	595 553 135 875	–9 177	–	459 678		
Q4	284 692	14 326	89 517	76 038	43 507	3 143	1 868	2 247	469 963 130 294	600 257 138 961	–8 667	–	461 296		
2015 Q1	286 127	14 405	89 785	77 864	44 663	936	1 115	2 501	471 618 130 942	602 560 140 314	–9 372	499	462 745		
Q2	287 241	14 498	90 882	80 009	45 270	2 725	453	–419	474 936 129 937	604 873 136 012	–6 075	724	469 585		
Q3	290 343	14 563	91 576	79 944	45 762	1 221	–2 047	–708	476 939 126 160	603 099 134 638	–8 478	828	469 289		
Q4	292 850	14 660	90 596	79 239	44 468	855	479	–2 438	475 762 130 407	606 169 136 270	–5 863	1 196	471 095		
2016 Q1	295 487	14 774	91 585	79 357	44 218	1 064	–1 079	646	482 913 129 035	611 948 138 575	–9 540	2 753	476 126		
Q2	298 753	14 847	92 407	80 556	45 230	2 193	–882	–1 121	487 635 135 094	622 729 142 938	–7 844	3 673	483 464		
Q3	302 218	14 879	92 045	81 344	45 608	2 781	1 988	3 661	496 928 136 512	633 440 151 309	–14 797	4 347	486 478		
Q4	306 300	14 948	92 602	81 970	45 202	340	–27	–2 519	493 641 146 949	640 590 151 794	–4 845	4 773	493 569		
2017 Q1	309 454	15 059	93 377	83 017	45 642	2 571	1 233	858	504 336 146 216	650 552 158 106	–11 890	4 763	497 209		
Percentage change, latest year on previous year															
	KG7Y	KGZ8	KH2C	KG6O	KG6N			KGX3	KH2O	KG7V	KH3H			IHYM	
2013	3.9	3.2	0.7	5.0	3.9			3.9	3.7	3.8	3.8			3.9	
2014	3.9	3.9	2.5	7.9	4.3			4.5	–1.2	3.2	–1.6			4.8	
2015	2.7	2.6	1.2	4.8	6.4			2.2	1.1	2.0	–0.1			2.8	
2016	4.0	2.3	1.6	1.9	0.1			3.3	5.8	3.8	6.8			3.6	
Percentage change, latest quarter on previous quarter															
	KG78	KGZ9	KH2D	KG6W	KG6V			KGX4	KH2P	KG78	KH3I			IHYN	
2013 Q4	0.9	1.1	2.1	2.8	1.8			1.5	–3.0	0.5	0.8			0.4	
2014 Q1	0.7	1.0	0.2	4.4	–4.5			0.7	–0.2	0.5	–2.6			1.4	
Q2	0.8	0.8	0.1	–2.1	7.1			0.7	2.0	1.0	–1.9			1.8	
Q3	2.0	0.8	2.1	0.9	–1.1			1.6	–1.5	0.9	0.5			1.1	
Q4	–0.1	0.7	–1.5	0.8	2.3			0.2	2.8	0.8	2.3			0.4	
2015 Q1	0.5	0.6	0.3	2.4	2.7			0.4	0.5	0.4	1.0			0.3	
Q2	0.4	0.6	1.2	2.8	1.4			0.7	–0.8	0.4	–3.1			1.5	
Q3	1.1	0.4	0.8	–0.1	1.1			0.4	–2.9	–0.3	–1.0			–0.1	
Q4	0.9	0.7	–1.1	–0.9	–2.8			–0.2	3.4	0.5	1.2			0.4	
2016 Q1	0.9	0.8	1.1	0.1	–0.6			1.5	–1.1	1.0	1.7			1.1	
Q2	1.1	0.5	0.9	1.5	2.3			1.0	4.7	1.8	3.1			1.5	
Q3	1.2	0.2	–0.4	1.0	0.8			1.9	1.0	1.7	5.9			0.6	
Q4	1.4	0.5	0.6	0.8	–0.9			–0.7	7.6	1.1	0.3			1.5	
2017 Q1	1.0	0.7	0.8	1.3	1.0			2.2	–0.5	1.6	4.2			0.7	
Percentage change, latest quarter on corresponding quarter of previous year															
	KG79	KH22	KH2E	KG76	KG75			KGX5	KH2Q	KG79	KH3J			IHYO	
2013 Q4	4.0	4.5	2.1	7.3	2.3			4.7	2.0	4.1	5.8			3.6	
2014 Q1	3.8	4.5	3.9	13.7	2.6			5.3	–1.9	3.7	2.2			4.1	
Q2	3.9	4.1	1.1	8.6	8.2			5.0	–3.0	3.1	–3.5			5.3	
Q3	4.5	3.7	4.5	6.0	3.0			4.5	–2.7	2.9	–3.2			4.9	
Q4	3.4	3.3	0.8	4.0	3.4			3.2	3.1	3.2	–1.8			4.8	
2015 Q1	3.2	2.9	0.9	2.0	11.1			2.9	3.9	3.1	1.8			3.6	
Q2	2.8	2.7	2.0	7.0	5.2			2.9	1.1	2.5	0.6			3.2	
Q3	1.9	2.4	0.7	6.0	7.6			1.7	–0.4	1.3	–0.9			2.1	
Q4	2.9	2.3	1.2	4.2	2.2			1.2	0.1	1.0	–1.9			2.1	
2016 Q1	3.3	2.6	2.0	1.9	–1.0			2.4	–1.5	1.6	–1.2			2.9	
Q2	4.0	2.4	1.7	0.7	–0.1			2.7	4.0	3.0	5.1			3.0	
Q3	4.1	2.2	0.5	1.8	–0.3			4.2	8.2	5.0	12.4			3.7	
Q4	4.6	2.0	2.2	3.4	1.7			3.8	12.7	5.7	11.4			4.8	
2017 Q1	4.7	1.9	2.0	4.6	3.2			4.4	13.3	6.3	14.1			4.4	

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

# C2 Gross domestic product by category of expenditure: chained volume measures<sup>1</sup>

Reference year 2013, £ million

National expenditure on goods and services at market prices															
Final consumption expenditure								Gross capital formation							
	Households	Non-profit institutions <sup>2</sup>	General government	Gross fixed capital formation	Of which business investment <sup>3</sup>	Change in inventories <sup>4</sup>	Of which alignment adjustment	Acquisitions less disposals of valuables <sup>5</sup>	Total	Exports	Gross final expenditure	less imports	Trade balance <sup>6</sup>	Statistical discrepancy (expenditure)	Gross domestic product at market prices
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI
2013	1 084 011	54 535	349 615	280 224	162 326	5 074	–	5 342	1 778 801	517 642	2 296 443	556 880	–39 238	–	1 739 563
2014	1 107 154	55 982	357 590	298 872	168 627	16 630	–	2 561	1 838 789	525 176	2 363 965	570 989	–45 813	–	1 792 976
2015	1 134 372	56 417	362 262	309 144	177 233	12 371	–	–28	1 874 538	557 023	2 431 561	602 420	–45 397	3 177	1 832 318
2016	1 166 394	57 233	365 281	310 816	174 548	2 567	–	479	1 902 770	567 238	2 470 008	619 532	–52 294	14 934	1 865 410
<b>Seasonally adjusted</b>															
2013 Q4	273 686	13 618	87 904	72 933	41 830	1 894	266	2 490	453 299	127 950	581 288	142 549	–14 599	–	438 707
2014 Q1	274 157	13 833	89 221	74 953	40 412	1 804	–1 983	–402	453 566	131 232	584 798	142 373	–11 141	–	442 425
Q2	275 226	14 126	89 395	73 762	42 832	3 941	543	–217	456 233	130 782	587 015	140 496	–9 714	–	446 519
Q3	279 074	14 051	89 598	74 821	42 294	4 867	–401	790	463 201	129 030	592 231	142 090	–13 060	–	450 141
Q4	278 697	13 972	89 376	75 336	43 089	6 018	1 841	2 390	465 789	134 132	599 921	146 030	–11 898	–	453 891
2015 Q1	280 745	14 130	89 752	76 447	44 234	4 319	1 096	2 773	468 166	138 399	606 565	152 030	–13 631	491	455 026
Q2	282 061	14 243	90 551	77 394	44 119	3 600	439	–210	467 639	137 418	605 057	148 548	–11 130	705	457 214
Q3	285 218	13 974	91 058	78 003	44 977	2 638	–2 002	–449	470 442	136 575	607 017	149 370	–12 795	809	458 456
Q4	286 348	14 070	90 901	77 300	43 903	1 814	467	–2 142	468 291	144 631	612 922	152 472	–7 841	1 172	461 622
2016 Q1	288 325	14 287	91 239	77 320	43 415	673	–1 046	584	472 428	140 382	612 810	153 150	–12 768	2 673	462 333
Q2	290 533	14 299	91 441	77 501	43 741	434	–845	–1 184	473 024	142 175	615 199	153 620	–11 445	3 534	465 113
Q3	292 747	14 267	91 307	77 941	43 897	1 448	1 914	3 627	481 337	139 129	620 466	157 206	–18 077	4 177	467 437
Q4	294 789	14 380	91 294	78 054	43 495	12	–23	–2 548	475 981	145 552	621 533	155 556	–10 004	4 550	470 527
2017 Q1	295 772	14 450	91 999	78 993	43 756	1 273	1 169	830	483 317	143 276	626 593	159 721	–16 445	4 516	471 388
<b>Percentage change, latest year on previous year</b>															
	KGZ5	KH26	KH2I	KG7M					KGX9	KH2U	KGW5	KH3N			IHYP
2013	1.6	–	0.3	3.2					2.6	1.1	2.3	3.4			1.9
2014	2.1	2.7	2.3	6.7					3.4	1.5	2.9	2.5			3.1
2015	2.5	0.8	1.3	3.4					1.9	6.1	2.9	5.5			2.2
2016	2.8	1.4	0.8	0.5	–1.5				1.5	1.8	1.6	2.8			1.8
<b>Percentage change, latest quarter on previous quarter</b>															
	KGZ6	KH27	KH2J	KG7Q	KG7P				KGY2	KH2V	KGW6	KH3O			IHYQ
2013 Q4	0.7	–0.7	0.8	2.6	1.8				1.4	–1.3	0.8	1.7			0.5
2014 Q1	0.2	1.6	1.5	2.8	–3.4				0.1	2.6	0.6	–0.1			0.8
Q2	0.4	2.1	0.2	–1.6	6.0				0.6	–0.3	0.4	–1.3			0.9
Q3	1.4	–0.5	0.2	1.4	–1.3				1.5	–1.3	0.9	1.1			0.8
Q4	–0.1	–0.6	–0.2	0.7	1.9				0.6	4.0	1.3	2.8			0.8
2015 Q1	0.7	1.1	0.4	1.5	2.7				0.5	3.2	1.1	4.1			0.3
Q2	0.5	0.8	0.9	1.2	–0.3				–0.1	–0.7	–0.2	–2.3			0.5
Q3	1.1	–1.9	0.6	0.8	1.9				0.6	–0.6	0.3	0.6			0.3
Q4	0.4	0.7	–0.2	–0.9	–2.4				–0.5	5.9	1.0	2.1			0.7
2016 Q1	0.7	1.5	0.4	–	–1.1				0.9	–2.9	–	0.4			0.2
Q2	0.8	0.1	0.2	0.2	0.8				0.1	1.3	0.4	0.3			0.6
Q3	0.8	–0.2	–0.1	0.6	0.4				1.8	–2.1	0.9	2.3			0.5
Q4	0.7	0.8	–	0.1	–0.9				–1.1	4.6	0.2	–1.0			0.7
2017 Q1	0.3	0.5	0.8	1.2	0.6				1.5	–1.6	0.8	2.7			0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
	KGZ7	KH28	KH2K	KG7T	KG7S				KGY3	KH2W	KGW7	KH3P			IHYR
2013 Q4	1.7	3.4	0.9	5.3	2.7				4.0	0.9	3.3	5.9			2.4
2014 Q1	1.9	2.0	2.1	11.0	1.7				3.5	3.4	3.5	6.3			2.6
Q2	2.1	3.6	2.7	7.4	7.9				3.6	–1.7	2.4	0.2			3.1
Q3	2.7	2.5	2.7	5.3	2.9				3.6	–0.5	2.7	1.4			3.1
Q4	1.8	2.6	1.7	3.3	3.0				2.8	4.8	3.2	2.4			3.5
2015 Q1	2.4	2.1	0.6	2.0	9.5				3.2	5.5	3.7	6.8			2.8
Q2	2.5	0.8	1.3	4.9	3.0				2.5	5.1	3.1	5.7			2.4
Q3	2.2	–0.5	1.6	4.3	6.3				1.6	5.8	2.5	5.1			1.8
Q4	2.7	0.7	1.7	2.6	1.9				0.5	7.8	2.2	4.4			1.7
2016 Q1	2.7	1.1	1.7	1.1	–1.9				0.9	1.4	1.0	0.7			1.6
Q2	3.0	0.4	1.0	0.1	–0.9				1.2	3.5	1.7	3.4			1.7
Q3	2.6	2.1	0.3	–0.1	–2.4				2.3	1.9	2.2	5.2			2.0
Q4	2.9	2.2	0.4	1.0	–0.9				1.6	0.6	1.4	2.0			1.9
2017 Q1	2.6	1.1	0.8	2.2	0.8				2.3	2.1	2.2	4.3			2.0

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

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

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

# D Gross domestic product by category of income: current prices<sup>1</sup>

£ million

	Compensation of employees	Gross operating surplus of corporations <sup>2,3</sup>	Of which alignment adjustment	Other income <sup>4</sup>	Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	DTWM	CGBZ	DMUQ	CGBX	CGCB	CMVL	GIXQ	YBHA
2013	879 055	364 980	—	283 924	1 527 959	211 604	—	1 739 563
2014	899 342	394 289	—	306 634	1 600 265	222 215	—	1 822 480
2015	928 147	398 839	—	318 478	1 645 464	228 798	–1 548	1 872 714
2016	962 635	405 816	—	333 965	1 702 416	238 286	–1 065	1 939 637
<b>Seasonally adjusted</b>								
2013 Q4	221 959	91 820	–1 142	72 055	385 834	54 478	—	440 312
2014 Q1	222 706	94 543	–294	74 643	391 892	54 765	—	446 657
Q2	223 080	99 439	–740	76 857	399 376	55 473	—	454 849
Q3	225 342	102 050	1 455	77 213	404 605	55 073	—	459 678
Q4	228 214	98 257	–421	77 921	404 392	56 904	—	461 296
2015 Q1	229 391	100 003	–517	78 166	407 560	55 422	–237	462 745
Q2	231 222	102 521	1 880	79 377	413 120	56 810	–345	469 585
Q3	233 209	98 692	–34	80 000	411 901	57 782	–394	469 289
Q4	234 325	97 623	–1 329	80 935	412 883	58 784	–572	471 095
2016 Q1	235 343	101 036	–924	81 807	418 186	58 243	–303	476 126
Q2	240 350	101 086	–2	83 300	424 736	58 959	–231	483 464
Q3	242 951	100 472	–458	84 164	427 587	59 114	–223	486 478
Q4	243 991	103 222	1 384	84 694	431 907	61 970	–308	493 569
2017 Q1	245 388	108 645	2 627	85 961	439 994	57 381	–166	497 209
<b>Percentage change, latest year on previous year</b>								
	KGI3	KH4V		KH6T	KH6N	KH65		IHYM
2013	3.4	5.6		2.5	3.7	4.7		3.9
2014	2.3	8.0		8.0	4.7	5.0		4.8
2015	3.2	1.2		3.9	2.8	3.0		2.8
2016	3.7	1.7		4.9	3.5	4.1		3.6
<b>Percentage change, latest quarter on previous quarter</b>								
	KGI4	KH4W		KH6U	KH6O	KH66		IHYN
2013 Q4	0.5	–1.3		1.6	0.3	1.5		0.4
2014 Q1	0.3	3.0		3.6	1.6	0.5		1.4
Q2	0.2	5.2		3.0	1.9	1.3		1.8
Q3	1.0	2.6		0.5	1.3	–0.7		1.1
Q4	1.3	–3.7		0.9	–0.1	3.3		0.4
2015 Q1	0.5	1.8		0.3	0.8	–2.6		0.3
Q2	0.8	2.5		1.5	1.4	2.5		1.5
Q3	0.9	–3.7		0.8	–0.3	1.7		–0.1
Q4	0.5	–1.1		1.2	0.2	1.7		0.4
2016 Q1	0.4	3.5		1.1	1.3	–0.9		1.1
Q2	2.1	—		1.8	1.6	1.2		1.5
Q3	1.1	–0.6		1.0	0.7	0.3		0.6
Q4	0.4	2.7		0.6	1.0	4.8		1.5
2017 Q1	0.6	5.3		1.5	1.9	–7.4		0.7
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>								
	KGI5	KH4X		KH6V	KH6P	KH67		IHYO
2013 Q4	3.9	2.4		3.5	3.5	4.8		3.6
2014 Q1	3.5	2.6		6.2	3.7	6.8		4.1
Q2	0.9	13.0		8.8	5.2	6.3		5.3
Q3	2.1	9.8		8.9	5.2	2.6		4.9
Q4	2.8	7.0		8.1	4.8	4.5		4.8
2015 Q1	3.0	5.8		4.7	4.0	1.2		3.6
Q2	3.6	3.1		3.3	3.4	2.4		3.2
Q3	3.5	–3.3		3.6	1.8	4.9		2.1
Q4	2.7	–0.6		3.9	2.1	3.3		2.1
2016 Q1	2.6	1.0		4.7	2.6	5.1		2.9
Q2	3.9	–1.4		4.9	2.8	3.8		3.0
Q3	4.2	1.8		5.2	3.8	2.3		3.7
Q4	4.1	5.7		4.6	4.6	5.4		4.8
2017 Q1	4.3	7.5		5.1	5.2	–1.5		4.4

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 Including financial corporations and public corporations.

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

# H1 Exports and imports of goods and services

## Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total <sup>1</sup>
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2013	303 147	214 495	517 642	423 811	133 069	556 880	-120 664	81 426	-39 238
2014	292 894	218 760	511 654	415 469	132 408	547 877	-122 575	86 352	-36 223
2015	287 584	229 862	517 446	407 304	139 930	547 234	-119 720	89 932	-29 788
2016	301 405	246 185	547 590	435 472	149 144	584 616	-134 067	97 041	-37 026
<b>Seasonally adjusted</b>									
2013 Q4	73 541	52 844	126 385	107 219	34 243	141 462	-33 678	18 601	-15 077
2014 Q1	73 109	52 974	126 083	102 062	35 764	137 826	-28 953	17 210	-11 743
Q2	73 463	55 116	128 579	102 862	32 353	135 215	-29 399	22 763	-6 636
Q3	72 324	54 374	126 698	103 489	32 386	135 875	-31 165	21 988	-9 177
Q4	73 998	56 296	130 294	107 056	31 905	138 961	-33 058	24 391	-8 667
2015 Q1	71 727	59 215	130 942	106 184	34 130	140 314	-34 457	25 085	-9 372
Q2	74 309	55 628	129 937	101 639	34 373	136 012	-27 330	21 255	-6 075
Q3	70 627	55 533	126 160	99 435	35 203	134 638	-28 808	20 330	-8 478
Q4	70 921	59 486	130 407	100 046	36 224	136 270	-29 125	23 262	-5 863
2016 Q1	70 065	58 970	129 035	102 384	36 191	138 575	-32 319	22 779	-9 540
Q2	74 835	60 259	135 094	105 700	37 238	142 938	-30 865	23 021	-7 844
Q3	74 448	62 064	136 512	113 687	37 622	151 309	-39 239	24 442	-14 797
Q4	82 057	64 892	146 949	113 701	38 093	151 794	-31 644	26 799	-4 845
2017 Q1	82 550	63 666	146 216	119 425	38 681	158 106	-36 875	24 985	-11 890
<b>Percentage change, latest year on previous year</b>									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2013	0.5	8.6	3.7	2.7	7.4	3.8			
2014	-3.4	2.0	-1.2	-2.0	-0.5	-1.6			
2015	-1.8	5.1	1.1	-2.0	5.7	-0.1			
2016	4.8	7.1	5.8	6.9	6.6	6.8			
<b>Percentage change, latest quarter on previous quarter</b>									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2013 Q4	-4.4	-0.9	-3.0	0.8	0.7	0.8			
2014 Q1	-0.6	0.2	-0.2	-4.8	4.4	-2.6			
Q2	0.5	4.0	2.0	0.8	-9.5	-1.9			
Q3	-1.6	-1.3	-1.5	0.6	0.1	0.5			
Q4	2.3	3.5	2.8	3.4	-1.5	2.3			
2015 Q1	-3.1	5.2	0.5	-0.8	7.0	1.0			
Q2	3.6	-6.1	-0.8	-4.3	0.7	-3.1			
Q3	-5.0	-0.2	-2.9	-2.2	2.4	-1.0			
Q4	0.4	7.1	3.4	0.6	2.9	1.2			
2016 Q1	-1.2	-0.9	-1.1	2.3	-0.1	1.7			
Q2	6.8	2.2	4.7	3.2	2.9	3.1			
Q3	-0.5	3.0	1.0	7.6	1.0	5.9			
Q4	10.2	4.6	7.6	-	1.3	0.3			
2017 Q1	0.6	-1.9	-0.5	5.0	1.5	4.2			
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2013 Q4	-	5.0	2.0	4.2	11.1	5.8			
2014 Q1	-2.6	-0.9	-1.9	-1.3	13.6	2.2			
Q2	-5.3	0.4	-3.0	-3.7	-2.9	-3.5			
Q3	-6.0	2.0	-2.7	-2.7	-4.8	-3.2			
Q4	0.6	6.5	3.1	-0.2	-6.8	-1.8			
2015 Q1	-1.9	11.8	3.9	4.0	-4.6	1.8			
Q2	1.2	0.9	1.1	-1.2	6.2	0.6			
Q3	-2.3	2.1	-0.4	-3.9	8.7	-0.9			
Q4	-4.2	5.7	0.1	-6.5	13.5	-1.9			
2016 Q1	-2.3	-0.4	-1.5	-3.6	6.0	-1.2			
Q2	0.7	8.3	4.0	4.0	8.3	5.1			
Q3	5.4	11.8	8.2	14.3	6.9	12.4			
Q4	15.7	9.1	12.7	13.6	5.2	11.4			
2017 Q1	17.8	8.0	13.3	16.6	6.9	14.1			

<sup>1</sup> 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 2013, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total <sup>1</sup>
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2013	303 147	214 495	517 642	423 811	133 069	556 880	-39 238
2014	307 435	217 741	525 176	434 438	136 551	570 989	-45 813
2015	329 548	227 475	557 023	458 051	144 369	602 420	-45 397
2016	326 551	240 687	567 238	473 564	145 968	619 532	-52 294
<b>Seasonally adjusted</b>							
2013 Q4	74 480	53 481	127 950	108 204	34 343	142 549	-14 599
2014 Q1	75 542	55 690	131 232	105 704	36 669	142 373	-11 141
Q2	76 328	54 454	130 782	107 321	33 175	140 496	-9 714
Q3	75 968	53 062	129 030	108 550	33 540	142 090	-13 060
Q4	79 597	54 535	134 132	112 863	33 167	146 030	-11 898
2015 Q1	80 011	58 388	138 399	117 061	34 969	152 030	-13 631
Q2	83 889	53 529	137 418	112 757	35 791	148 548	-11 130
Q3	82 157	54 418	136 575	112 865	36 505	149 370	-12 795
Q4	83 491	61 140	144 631	115 368	37 104	152 472	-7 841
2016 Q1	81 523	58 859	140 382	116 276	36 874	153 150	-12 768
Q2	82 513	59 662	142 175	116 724	36 896	153 620	-11 445
Q3	78 633	60 496	139 129	121 261	35 945	157 206	-18 077
Q4	83 882	61 670	145 552	119 303	36 253	155 556	-10 004
2017 Q1	84 054	59 222	143 276	123 280	36 441	159 721	-16 445
<b>Percentage change, latest year on previous year</b>							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2013	-0.7	3.8	1.1	2.9	5.2	3.4	
2014	1.4	1.5	1.5	2.5	2.6	2.5	
2015	7.2	4.5	6.1	5.4	5.7	5.5	
2016	-0.9	5.8	1.8	3.4	1.1	2.8	
<b>Percentage change, latest quarter on previous quarter</b>							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2013 Q4	-2.5	0.4	-1.3	1.8	1.6	1.7	
2014 Q1	1.4	4.1	2.6	-2.3	6.8	-0.1	
Q2	1.0	-2.2	-0.3	1.5	-9.5	-1.3	
Q3	-0.5	-2.6	-1.3	1.1	1.1	1.1	
Q4	4.8	2.8	4.0	4.0	-1.1	2.8	
2015 Q1	0.5	7.1	3.2	3.7	5.4	4.1	
Q2	4.8	-8.3	-0.7	-3.7	2.4	-2.3	
Q3	-2.1	1.7	-0.6	0.1	2.0	0.6	
Q4	1.6	12.4	5.9	2.2	1.6	2.1	
2016 Q1	-2.4	-3.7	-2.9	0.8	-0.6	0.4	
Q2	1.2	1.4	1.3	0.4	0.1	0.3	
Q3	-4.7	1.4	-2.1	3.9	-2.6	2.3	
Q4	6.7	1.9	4.6	-1.6	0.9	-1.0	
2017 Q1	0.2	-4.0	-1.6	3.3	0.5	2.7	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2013 Q4	-	2.1	0.9	4.7	10.0	5.9	
2014 Q1	1.5	6.0	3.4	3.3	16.0	6.3	
Q2	-2.0	-1.4	-1.7	0.4	-0.4	0.2	
Q3	-0.5	-0.4	-0.5	2.1	-0.8	1.4	
Q4	6.9	2.0	4.8	4.3	-3.4	2.4	
2015 Q1	5.9	4.8	5.5	10.7	-4.6	6.8	
Q2	9.9	-1.7	5.1	5.1	7.9	5.7	
Q3	8.1	2.6	5.8	4.0	8.8	5.1	
Q4	4.9	12.1	7.8	2.2	11.9	4.4	
2016 Q1	1.9	0.8	1.4	-0.7	5.4	0.7	
Q2	-1.6	11.5	3.5	3.5	3.1	3.4	
Q3	-4.3	11.2	1.9	7.4	-1.5	5.2	
Q4	0.5	0.9	0.6	3.4	-2.3	2.0	
2017 Q1	3.1	0.6	2.1	6.0	-1.2	4.3	

<sup>1</sup> 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 (2013 = 100)				
	Expenditure-based estimate at chained volume measures	At current prices			Value indices at current prices		Chained volume indices		
		Expenditure-based estimate	Income-based estimate	Residual error <sup>1</sup>	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate <sup>2</sup>	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2013	1 551 553	1 551 553	1 551 553	–	100.0	100.0	100.0	100.0	100.0
2014	1 604 169	1 624 276	1 624 276	–	104.7	104.7	103.4	103.4	103.4
2015	1 639 625	1 665 945	1 670 740	–4 795	107.4	107.7	105.7	106.0	106.0
2016	1 657 150	1 710 414	1 727 025	–16 611	110.2	111.3	106.8	107.8	108.7
<b>Seasonally adjusted</b>									
2013 Q4	390 771	391 799	391 799	–	101.0	101.0	100.7	100.7	100.7
2014 Q1	394 815	397 901	397 901	–	102.6	102.6	101.8	101.8	101.8
Q2	399 298	405 358	405 358	–	104.5	104.5	102.9	102.9	102.9
Q3	403 266	410 620	410 620	–	105.9	105.9	104.0	104.0	104.0
Q4	406 790	410 397	410 397	–	105.8	105.8	104.9	104.9	104.9
2015 Q1	407 297	412 992	413 728	–736	106.5	106.7	105.0	105.2	105.2
Q2	409 101	418 366	419 435	–1 069	107.9	108.1	105.5	105.7	105.7
Q3	410 331	417 107	418 329	–1 222	107.5	107.8	105.8	106.1	106.1
Q4	412 896	417 480	419 248	–1 768	107.6	108.1	106.4	106.9	106.9
2016 Q1	411 875	421 398	424 454	–3 056	108.6	109.4	106.2	107.0	107.5
Q2	413 413	427 060	430 964	–3 904	110.1	111.1	106.6	107.6	108.4
Q3	414 761	429 171	433 741	–4 570	110.6	111.8	106.9	108.1	109.0
Q4	417 101	432 785	437 866	–5 081	111.6	112.9	107.5	108.8	109.8
2017 Q1	417 989	440 911	445 840	–4 929	113.7	114.9	107.8	109.0	110.0
<b>Percentage change, latest year on previous year</b>									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2013	1.4	3.7	3.7		3.7	3.7	1.4	1.4	1.4
2014	3.4	4.7	4.7		4.7	4.7	3.4	3.4	3.4
2015	2.2	2.6	2.9		2.6	2.9	2.2	2.5	2.5
2016	1.1	2.7	3.4		2.7	3.4	1.1	1.8	2.5
<b>Percentage change, latest quarter on previous quarter</b>									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2013 Q4	0.5	0.3	0.3		0.3	0.3	0.5	0.5	0.5
2014 Q1	1.0	1.6	1.6		1.6	1.6	1.0	1.0	1.0
Q2	1.1	1.9	1.9		1.9	1.9	1.1	1.1	1.1
Q3	1.0	1.3	1.3		1.3	1.3	1.0	1.0	1.0
Q4	0.9	–0.1	–0.1		–0.1	–0.1	0.9	0.9	0.9
2015 Q1	0.1	0.6	0.8		0.6	0.8	0.1	0.3	0.3
Q2	0.4	1.3	1.4		1.3	1.4	0.4	0.5	0.5
Q3	0.3	–0.3	–0.3		–0.3	–0.3	0.3	0.3	0.3
Q4	0.6	0.1	0.2		0.1	0.2	0.6	0.8	0.8
2016 Q1	–0.2	0.9	1.2		0.9	1.2	–0.2	–	0.5
Q2	0.4	1.3	1.5		1.3	1.5	0.4	0.6	0.8
Q3	0.3	0.5	0.6		0.5	0.6	0.3	0.5	0.6
Q4	0.6	0.8	1.0		0.8	1.0	0.6	0.7	0.7
2017 Q1	0.2	1.9	1.8		1.9	1.8	0.2	0.2	0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2013 Q4	1.7	3.4	3.4		3.4	3.4	1.7	1.7	1.7
2014 Q1	2.4	3.7	3.7		3.7	3.7	2.4	2.4	2.4
Q2	3.3	5.1	5.1		5.1	5.1	3.3	3.3	3.3
Q3	3.7	5.1	5.1		5.1	5.1	3.7	3.7	3.7
Q4	4.1	4.7	4.7		4.7	4.7	4.1	4.1	4.1
2015 Q1	3.2	3.8	4.0		3.8	4.0	3.2	3.3	3.4
Q2	2.5	3.2	3.5		3.2	3.5	2.5	2.7	2.7
Q3	1.8	1.6	1.9		1.6	1.9	1.8	2.0	2.1
Q4	1.5	1.7	2.2		1.7	2.2	1.5	1.9	1.9
2016 Q1	1.1	2.0	2.6		2.0	2.6	1.1	1.7	2.2
Q2	1.1	2.1	2.7		2.1	2.7	1.1	1.7	2.5
Q3	1.1	2.9	3.7		2.9	3.7	1.1	1.9	2.8
Q4	1.0	3.7	4.4		3.7	4.4	1.0	1.8	2.7
2017 Q1	1.5	4.6	5.0		4.6	5.0	1.5	1.9	2.4

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

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

# M Alignment adjustments

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2013)	
<b>Seasonally adjusted</b>			
2013 Q4	DMUN 266	DMUM 266	DMUQ -1 142
2014 Q1	-2 005	-1 983	-294
Q2	550	543	-740
Q3	-413	-401	1 455
Q4	1 868	1 841	-421
2015 Q1	1 115	1 096	-517
Q2	453	439	1 880
Q3	-2 047	-2 002	-34
Q4	479	467	-1 329
2016 Q1	-1 079	-1 046	-924
Q2	-882	-845	-2
Q3	1 988	1 914	-458
Q4	-27	-23	1 384
2017 Q1	1 233	1 169	2 627

# N Selected financial year variables 1,2

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

	Current prices					Chained Volume Measures (reference year 2013)				
	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 <sup>3 4</sup>
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2013/14	1 757 219	1 759 560	1 565 840	352 959	49 178	1 750 963	1 560 852	351 436	48 495	95.9422
2014/15	1 838 568	1 834 812	1 639 866	359 298	47 051	1 805 577	1 617 142	358 121	46 760	97.3514
2015/16	1 886 095	1 885 846	1 679 852	364 639	49 222	1 839 625	1 649 562	363 749	47 087	98.0187
2016/17	1 960 720	1 955 426	1 747 483	370 431	51 997	1 874 465	1 680 041	366 041	49 265	100.0000
<b>Seasonally adjusted</b>										
2013 Q4	440 312	445 281	391 799	88 824	11 714	438 707	390 771	87 904	11 857	95.9535
2014 Q1	446 657	453 938	397 901	89 016	14 703	442 425	394 815	89 221	13 769	96.5182
Q2	454 849	449 736	405 358	89 072	11 255	446 519	399 298	89 395	10 946	97.3873
Q3	459 678	455 439	410 620	90 924	11 841	450 141	403 266	89 598	11 946	97.6293
Q4	461 296	463 367	410 397	89 517	11 732	453 891	406 790	89 376	11 874	97.1635
2015 Q1	462 745	466 270	413 491	89 785	12 223	455 026	407 788	89 752	11 994	97.2255
Q2	469 585	462 910	419 090	90 882	12 740	457 214	409 806	90 551	11 902	98.1905
Q3	469 289	466 894	417 935	91 576	12 098	458 456	411 140	91 058	11 708	97.8628
Q4	471 095	476 640	418 676	90 596	12 195	461 622	414 068	90 901	11 670	97.5656
2016 Q1	476 126	479 402	424 151	91 585	12 189	462 333	414 548	91 239	11 807	98.4559
Q2	483 464	479 469	430 733	92 407	12 454	465 113	416 947	91 441	11 856	99.3758
Q3	486 478	484 592	433 518	92 045	12 922	467 437	418 938	91 307	12 349	99.4981
Q4	493 569	496 174	437 558	92 602	13 294	470 527	421 651	91 294	12 505	100.2855
2017 Q1	497 209	495 191	445 674	93 377	13 327	471 388	422 505	91 999	12 555	100.8406
<b>Percentage change, latest financial year on previous financial year</b>										
2013/14	3.9	4.1	3.6	2.2	9.7	2.2	1.6	1.0	6.0	1.6
2014/15	4.6	4.3	4.7	1.8	-4.3	3.1	3.6	1.9	-3.6	1.5
2015/16	2.6	2.8	2.4	1.5	4.6	1.9	2.0	1.6	0.7	0.7
2016/17	4.0	3.7	4.0	1.6	5.6	1.9	1.8	0.6	4.6	2.0
<b>Percentage change, latest quarter on previous quarter</b>										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2013 Q4	0.4	2.6	0.3	2.1	3.0	0.5	0.5	0.8	2.6	-
2014 Q1	1.4	1.9	1.6	0.2	25.5	0.8	1.0	1.5	16.1	0.6
Q2	1.8	-0.9	1.9	0.1	-23.5	0.9	1.1	0.2	-20.5	0.9
Q3	1.1	1.3	1.3	2.1	5.2	0.8	1.0	0.2	9.1	0.2
Q4	0.4	1.7	-0.1	-1.5	-0.9	0.8	0.9	-0.2	-0.6	-0.5
2015 Q1	0.3	0.6	0.8	0.3	4.2	0.3	0.2	0.4	1.0	0.1
Q2	1.5	-0.7	1.4	1.2	4.2	0.5	0.5	0.9	-0.8	1.0
Q3	-0.1	0.9	-0.3	0.8	-5.0	0.3	0.3	0.6	-1.6	-0.3
Q4	0.4	2.1	0.2	-1.1	0.8	0.7	0.7	-0.2	-0.3	-0.3
2016 Q1	1.1	0.6	1.3	1.1	-	0.2	0.1	0.4	1.2	0.9
Q2	1.5	-	1.6	0.9	2.2	0.6	0.6	0.2	0.4	0.9
Q3	0.6	1.1	0.6	-0.4	3.8	0.5	0.5	-0.1	4.2	0.1
Q4	1.5	2.4	0.9	0.6	2.9	0.7	0.6	-	1.3	0.8
2017 Q1	0.7	-0.2	1.9	0.8	0.2	0.2	0.2	0.8	0.4	0.6
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2013 Q4	3.6	3.8	3.4	2.1	7.4	2.4	1.7	0.9	5.0	1.2
2014 Q1	4.1	4.6	3.7	3.9	30.4	2.6	2.4	2.1	24.9	1.4
Q2	5.3	5.5	5.1	1.1	-1.2	3.1	3.3	2.7	-3.3	2.2
Q3	4.9	4.9	5.1	4.5	4.1	3.1	3.7	2.7	3.4	1.7
Q4	4.8	4.1	4.7	0.8	0.2	3.5	4.1	1.7	0.1	1.3
2015 Q1	3.6	2.7	3.9	0.9	-16.9	2.8	3.3	0.6	-12.9	0.7
Q2	3.2	2.9	3.4	2.0	13.2	2.4	2.6	1.3	8.7	0.8
Q3	2.1	2.5	1.8	0.7	2.2	1.8	2.0	1.6	-2.0	0.2
Q4	2.1	2.9	2.0	1.2	3.9	1.7	1.8	1.7	-1.7	0.4
2016 Q1	2.9	2.8	2.6	2.0	-0.3	1.6	1.7	1.7	-1.6	1.3
Q2	3.0	3.6	2.8	1.7	-2.2	1.7	1.7	1.0	-0.4	1.2
Q3	3.7	3.8	3.7	0.5	6.8	2.0	1.9	0.3	5.5	1.7
Q4	4.8	4.1	4.5	2.2	9.0	1.9	1.8	0.4	7.2	2.8
2017 Q1	4.4	3.3	5.1	2.0	9.3	2.0	1.9	0.8	6.3	2.4

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 2016/2017 = 100 for presentational purposes, whereas in table A1 it is expressed as 2013 = 100.

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



# O Selected implied deflators<sup>1</sup>

2016 = 100

	Implied deflators <sup>2</sup>		
	Gross national expenditure	Gross domestic product at market prices <sup>3</sup>	Gross value added at basic prices
	MNE2	MNF2	MNX5
2013	97.0215	96.1747	96.8798
2014	98.0779	97.7573	98.0948
2015	98.3061	98.2971	98.4387
2016	100.0000	100.0000	100.0000
<b>Seasonally adjusted</b>			
2013 Q4	97.4741	96.5290	97.1363
2014 Q1	98.0608	97.0971	97.6387
Q2	98.1437	97.9713	98.3518
Q3	98.2111	98.2148	98.6482
Q4	97.8962	97.7462	97.7405
2015 Q1	97.7421	97.8086	98.2364
Q2	98.5407	98.7794	99.0763
Q3	98.3667	98.4497	98.4826
Q4	98.5747	98.1508	97.9596
2016 Q1	99.1801	99.0464	99.1257
Q2	100.0237	99.9718	100.0848
Q3	100.1695	100.0949	100.2532
Q4	100.6266	100.8870	100.5364
2017 Q1	101.2463	101.4454	102.1942
<b>Percentage change, latest year on previous year</b>			
	MNE3	MNF3	MNX6
2013	1.2	1.9	2.3
2014	1.1	1.6	1.3
2015	0.2	0.6	0.4
2016	1.7	1.7	1.6
<b>Percentage change, latest quarter on previous quarter</b>			
	MNE4	MNF4	MNX7
2013 Q4	0.1	–	–0.2
2014 Q1	0.6	0.6	0.5
Q2	0.1	0.9	0.7
Q3	0.1	0.2	0.3
Q4	–0.3	–0.5	–0.9
2015 Q1	–0.2	0.1	0.5
Q2	0.8	1.0	0.9
Q3	–0.2	–0.3	–0.6
Q4	0.2	–0.3	–0.5
2016 Q1	0.6	0.9	1.2
Q2	0.9	0.9	1.0
Q3	0.1	0.1	0.2
Q4	0.5	0.8	0.3
2017 Q1	0.6	0.6	1.6
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>			
	MNE5	MNF5	MNX8
2013 Q4	0.8	1.2	1.7
2014 Q1	1.7	1.4	1.3
Q2	1.4	2.2	1.8
Q3	0.9	1.7	1.3
Q4	0.4	1.3	0.6
2015 Q1	–0.3	0.7	0.6
Q2	0.4	0.8	0.7
Q3	0.2	0.2	–0.2
Q4	0.7	0.4	0.2
2016 Q1	1.5	1.3	0.9
Q2	1.5	1.2	1.0
Q3	1.8	1.7	1.8
Q4	2.1	2.8	2.6
2017 Q1	2.1	2.4	3.1

1 Implied deflator is expressed in terms of 2016 = 100, whereas in table A1 it is expressed as 2013 = 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 Head<sup>1</sup>

£

	UK resident population mid-year estimates (persons thousands) <sup>2</sup>	Current Prices		Chained volume measures (Reference year 2013)	
		Gross domestic product at market prices <sup>3</sup>	Gross domestic product per head	Gross domestic product at market prices <sup>3</sup>	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2013	64 106	1 739 563	27 136	1 739 563	27 136
2014	64 597	1 822 480	28 213	1 792 976	27 756
2015	65 110	1 872 714	28 762	1 832 318	28 142
2016	65 572	1 939 637	29 580	1 865 410	28 448
<b>Seasonally adjusted</b>					
2013 Q4	64 351	440 312	6 842	438 707	6 817
2014 Q1	64 474	446 657	6 928	442 425	6 862
Q2	64 597	454 849	7 041	446 519	6 912
Q3	64 725	459 678	7 102	450 141	6 955
Q4	64 854	461 296	7 113	453 891	6 999
2015 Q1	64 982	462 745	7 121	455 026	7 002
Q2	65 110	469 585	7 212	457 214	7 022
Q3	65 226	469 289	7 195	458 456	7 029
Q4	65 341	471 095	7 210	461 622	7 065
2016 Q1	65 457	476 126	7 274	462 333	7 063
Q2	65 572	483 464	7 373	465 113	7 093
Q3	65 686	486 478	7 406	467 437	7 116
Q4	65 801	493 569	7 501	470 527	7 151
2017 Q1	65 915	497 209	7 543	471 388	7 151
<b>Percentage change, latest year on previous year</b>					
		IHYM	N3Y3	IHYP	N3Y6
2013		3.9	3.2	1.9	1.3
2014		4.8	4.0	3.1	2.3
2015		2.8	1.9	2.2	1.4
2016		3.6	2.8	1.8	1.1
<b>Percentage change, latest quarter on previous quarter</b>					
		IHYN	N3Y4	IHYQ	N3Y7
2013 Q4		0.4	0.2	0.5	0.3
2014 Q1		1.4	1.3	0.8	0.7
Q2		1.8	1.6	0.9	0.7
Q3		1.1	0.9	0.8	0.6
Q4		0.4	0.2	0.8	0.6
2015 Q1		0.3	0.1	0.3	–
Q2		1.5	1.3	0.5	0.3
Q3		–0.1	–0.2	0.3	0.1
Q4		0.4	0.2	0.7	0.5
2016 Q1		1.1	0.9	0.2	–
Q2		1.5	1.4	0.6	0.4
Q3		0.6	0.4	0.5	0.3
Q4		1.5	1.3	0.7	0.5
2017 Q1		0.7	0.6	0.2	–
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>					
		IHYO	N3Y5	IHYR	N3Y8
2013 Q4		3.6	2.9	2.4	1.7
2014 Q1		4.1	3.4	2.6	1.9
Q2		5.3	4.5	3.1	2.3
Q3		4.9	4.1	3.1	2.3
Q4		4.8	4.0	3.5	2.7
2015 Q1		3.6	2.8	2.8	2.0
Q2		3.2	2.4	2.4	1.6
Q3		2.1	1.3	1.8	1.1
Q4		2.1	1.4	1.7	0.9
2016 Q1		2.9	2.1	1.6	0.9
Q2		3.0	2.2	1.7	1.0
Q3		3.7	2.9	2.0	1.2
Q4		4.8	4.0	1.9	1.2
2017 Q1		4.4	3.7	2.0	1.2

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 population estimates in this publication are those available at 23 June 2016

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

# AA Annex A - Growth and contributions to growth - output components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2013

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction	Total Services	Distri- bution, hotels & catering	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
<b>Percentage change, latest year on previous year</b>												
<b>Growth</b>	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2014	13.9	1.5	0.6	2.9	-6.0	0.7	8.0	3.3	4.8	3.0	3.9	1.7
2015	1.2	1.2	8.4	-0.2	0.5	3.4	4.9	2.6	4.5	3.7	2.9	0.5
2016	-3.4	1.2	0.6	0.7	1.7	5.6	2.4	2.9	5.1	3.7	2.4	1.6
<b>Contributions to growth</b>	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2014	0.1	0.2	-	0.3	-0.1	-	0.5	2.6	0.7	0.3	1.2	0.4
2015	-	0.2	0.1	-	-	-	0.3	2.0	0.6	0.4	0.9	0.1
2016	-	0.2	-	0.1	-	0.1	0.2	2.3	0.7	0.4	0.8	0.3
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Growth</b>	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2014 Q3	2.0	0.2	-2.0	0.3	3.3	-0.7	2.5	1.0	1.1	1.6	1.2	0.4
Q4	2.6	0.3	1.4	0.3	-2.1	1.3	0.3	1.0	1.6	1.2	1.5	-0.1
2015 Q1	-3.1	0.4	1.8	-0.1	2.1	0.5	2.7	0.1	0.9	0.3	0.2	-0.5
Q2	1.0	0.6	8.1	-0.5	-2.5	4.0	0.6	0.5	0.9	0.9	0.2	0.5
Q3	0.5	0.1	1.7	-0.4	1.4	-	-0.9	0.5	0.8	0.5	0.5	0.2
Q4	0.3	-0.4	-2.3	0.1	-2.2	0.5	1.0	1.0	1.2	1.2	0.9	0.7
2016 Q1	-3.4	-0.3	-2.6	-0.3	0.4	2.5	1.2	0.7	1.8	0.4	0.4	0.5
Q2	-1.2	2.2	2.3	1.8	5.6	2.0	0.9	0.6	0.9	0.6	0.7	0.1
Q3	-	-0.4	4.5	-0.7	-4.3	-0.1	-0.3	0.9	1.1	2.6	0.7	0.3
Q4	1.0	0.4	-6.9	1.2	4.0	0.9	1.0	0.8	2.0	0.8	0.5	0.3
2017 Q1	0.3	0.1	1.8	0.3	-4.3	0.7	0.2	0.2	-0.6	-0.2	0.6	0.4
<b>Contributions to growth</b>	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2014 Q3	-	-	-	-	-	-	0.2	0.8	0.1	0.2	0.4	0.1
Q4	-	-	-	-	-	-	-	0.8	0.2	0.1	0.5	-
2015 Q1	-	0.1	-	-	-	-	0.2	0.1	0.1	-	0.1	-0.1
Q2	-	0.1	0.1	-0.1	-	-	-	0.4	0.1	0.1	0.1	0.1
Q3	-	-	-	-	-	-	-0.1	0.4	0.1	0.1	0.2	-
Q4	-	-0.1	-	-	-	-	0.1	0.8	0.2	0.1	0.3	0.2
2016 Q1	-	-	-	-	-	-	0.1	0.5	0.3	-	0.1	0.1
Q2	-	0.3	-	0.2	0.1	-	0.1	0.4	0.1	0.1	0.2	-
Q3	-	-0.1	0.1	-0.1	-0.1	-	-	0.7	0.2	0.3	0.2	0.1
Q4	-	0.1	-0.1	0.1	0.1	-	0.1	0.6	0.3	0.1	0.2	0.1
2017 Q1	-	-	-	-	-0.1	-	-	0.2	-0.1	-	0.2	0.1
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>												
<b>Growth</b>	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2014 Q3	13.9	1.4	-2.4	2.9	-0.2	-3.3	8.2	3.7	4.6	4.4	4.2	2.4
Q4	15.3	1.3	-0.3	2.8	-3.8	-2.5	7.1	4.3	5.9	5.5	4.9	1.9
2015 Q1	3.2	1.2	1.6	1.1	3.8	-1.9	7.5	3.4	5.3	5.0	4.2	0.6
Q2	2.4	1.5	9.3	-0.1	0.6	5.1	6.2	2.7	4.5	4.1	3.1	0.3
Q3	0.8	1.3	13.4	-0.8	-1.2	5.8	2.7	2.1	4.2	2.9	2.4	0.1
Q4	-1.5	0.7	9.3	-0.9	-1.3	4.9	3.4	2.1	3.8	2.9	1.9	0.9
2016 Q1	-1.7	-	4.6	-1.1	-2.9	7.1	1.8	2.6	4.8	3.0	2.1	1.9
Q2	-3.8	1.6	-0.9	1.2	5.1	5.0	2.1	2.7	4.7	2.7	2.6	1.5
Q3	-4.3	1.2	1.8	0.9	-0.8	4.9	2.7	3.1	5.1	4.8	2.8	1.6
Q4	-3.7	1.9	-3.0	2.0	5.4	5.3	2.8	2.9	6.0	4.4	2.3	1.2
2017 Q1	-	2.3	1.4	2.6	0.5	3.5	1.9	2.4	3.5	3.8	2.4	1.1
<b>Contributions to growth</b>	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2014 Q3	0.1	0.2	-	0.3	-	-	0.5	2.9	0.6	0.5	1.3	0.5
Q4	0.1	0.2	-	0.3	-0.1	-	0.4	3.4	0.8	0.6	1.6	0.4
2015 Q1	-	0.2	-	0.1	0.1	-	0.5	2.7	0.7	0.5	1.3	0.1
Q2	-	0.2	0.2	-	-	0.1	0.4	2.1	0.6	0.4	1.0	0.1
Q3	-	0.2	0.2	-0.1	-	0.1	0.2	1.7	0.6	0.3	0.8	-
Q4	-	0.1	0.2	-0.1	-	0.1	0.2	1.6	0.5	0.3	0.6	0.2
2016 Q1	-	-	0.1	-0.1	-	0.1	0.1	2.1	0.7	0.3	0.7	0.4
Q2	-	0.2	-	0.1	0.1	0.1	0.1	2.1	0.7	0.3	0.8	0.3
Q3	-	0.2	-	0.1	-	0.1	0.2	2.5	0.7	0.5	0.9	0.4
Q4	-	0.3	-0.1	0.2	0.1	0.1	0.2	2.3	0.8	0.5	0.7	0.3
2017 Q1	-	0.3	-	0.3	-	-	0.1	1.9	0.5	0.4	0.8	0.3

1 Estimates are accurate to 1 decimal place

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

# AB Annex B - Growth and contributions to growth - expenditure components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2013

Final consumption expenditure									
	House-holds	Non-prof- it instit- utions	General govern- ment	Gross capital formation	Gross fixed capital formation	Business investme- nt	Total exports	less Total imports	Net trade
<b>Percentage change, latest year on previous year</b>									
<b>Growth</b>									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2014	2.1	2.7	2.3	9.4	6.7	3.9	1.5	2.5	
2015	2.5	0.8	1.3	1.1	3.4	5.1	6.1	5.5	
2016	2.8	1.4	0.8	-2.4	0.5	-1.5	1.8	2.8	
<b>Contributions to growth</b>									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2014	1.3	0.1	0.5	1.6	1.1	0.4	0.4	0.8	-0.4
2015	1.5	-	0.3	0.2	0.6	0.5	1.8	1.8	-
2016	1.7	-	0.2	-0.4	0.1	-0.1	0.6	0.9	-0.4
<b>Percentage change, latest quarter on previous quarter</b>									
<b>Growth</b>									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2014 Q3	1.4	-0.5	0.2	3.9	1.4	-1.3	-1.3	1.1	
Q4	-0.1	-0.6	-0.2	4.1	0.7	1.9	4.0	2.8	
2015 Q1	0.7	1.1	0.4	-0.2	1.5	2.7	3.2	4.1	
Q2	0.5	0.8	0.9	-3.3	1.2	-0.3	-0.7	-2.3	
Q3	1.1	-1.9	0.6	-0.7	0.8	1.9	-0.6	0.6	
Q4	0.4	0.7	-0.2	-4.0	-0.9	-2.4	5.9	2.1	
2016 Q1	0.7	1.5	0.4	2.1	-	-1.1	-2.9	0.4	
Q2	0.8	0.1	0.2	-2.3	0.2	0.8	1.3	0.3	
Q3	0.8	-0.2	-0.1	8.2	0.6	0.4	-2.1	2.3	
Q4	0.7	0.8	-	-9.0	0.1	-0.9	4.6	-1.0	
2017 Q1	0.3	0.5	0.8	7.4	1.2	0.6	-1.6	2.7	
<b>Contributions to growth</b>									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2014 Q3	0.9	-	-	0.7	0.2	-0.1	-0.4	0.4	-0.7
Q4	-0.1	-	-	0.7	0.1	0.2	1.1	0.9	0.3
2015 Q1	0.5	-	0.1	-	0.2	0.3	0.9	1.3	-0.4
Q2	0.3	-	0.2	-0.6	0.2	-	-0.2	-0.8	0.5
Q3	0.7	-0.1	0.1	-0.1	0.1	0.2	-0.2	0.2	-0.4
Q4	0.2	-	-	-0.7	-0.2	-0.2	1.8	0.7	1.1
2016 Q1	0.4	-	0.1	0.3	-	-0.1	-0.9	0.1	-1.1
Q2	0.5	-	-	-0.4	-	0.1	0.4	0.1	0.3
Q3	0.5	-	-	1.3	0.1	-	-0.7	0.8	-1.4
Q4	0.4	-	-	-1.6	-	-0.1	1.4	-0.4	1.7
2017 Q1	0.2	-	0.1	1.2	0.2	0.1	-0.5	0.9	-1.4
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
<b>Growth</b>									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2014 Q3	2.7	2.5	2.7	8.4	5.3	2.9	-0.5	1.4	
Q4	1.8	2.6	1.7	7.5	3.3	3.0	4.8	2.4	
2015 Q1	2.4	2.1	0.6	9.4	2.0	9.5	5.5	6.8	
Q2	2.5	0.8	1.3	4.3	4.9	3.0	5.1	5.7	
Q3	2.2	-0.5	1.6	-0.4	4.3	6.3	5.8	5.1	
Q4	2.7	0.7	1.7	-8.1	2.6	1.9	7.8	4.4	
2016 Q1	2.7	1.1	1.7	-5.9	1.1	-1.9	1.4	0.7	
Q2	3.0	0.4	1.0	-5.0	0.1	-0.9	3.5	3.4	
Q3	2.6	2.1	0.3	3.5	-0.1	-2.4	1.9	5.2	
Q4	2.9	2.2	0.4	-1.9	1.0	-0.9	0.6	2.0	
2017 Q1	2.6	1.1	0.8	3.2	2.2	0.8	2.1	4.3	
<b>Contributions to growth</b>									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2014 Q3	1.7	0.1	0.5	1.4	0.9	0.3	-0.1	0.5	-0.6
Q4	1.1	0.1	0.3	1.3	0.5	0.3	1.4	0.8	0.6
2015 Q1	1.5	0.1	0.1	1.6	0.3	0.9	1.6	2.2	-0.6
Q2	1.5	-	0.3	0.7	0.8	0.3	1.5	1.8	-0.3
Q3	1.4	-	0.3	-0.1	0.7	0.6	1.7	1.6	0.1
Q4	1.7	-	0.3	-1.5	0.4	0.2	2.3	1.4	0.9
2016 Q1	1.7	-	0.3	-1.1	0.2	-0.2	0.4	0.2	0.2
Q2	1.9	-	0.2	-0.9	-	-0.1	1.0	1.1	-0.1
Q3	1.6	0.1	0.1	0.6	-	-0.2	0.6	1.7	-1.2
Q4	1.8	0.1	0.1	-0.3	0.2	-0.1	0.2	0.7	-0.5
2017 Q1	1.6	-	0.2	0.5	0.4	0.1	0.6	1.4	-0.8

<sup>1</sup> Estimates are accurate to 1 decimal place and are available from 2013 annually, Q1 2014 quarterly

<sup>2</sup> 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

# AC Annex C - Growth and contributions to growth - income components of GDP<sup>1,2</sup>

## Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
<b>Percentage change, latest year on previous year</b>				
<b>Growth</b>				
	KGI3	KH4V	KH6T	KH65
2014	2.3	8.0	8.0	5.0
2015	3.2	1.2	3.9	3.0
2016	3.7	1.7	4.9	4.1
<b>Contributions to growth</b>				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2014	1.2	1.7	1.3	0.6
2015	1.6	0.2	0.6	0.4
2016	1.8	0.4	0.8	0.5
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Growth</b>				
	KGI4	KH4W	KH6U	KH66
2014 Q3	1.0	2.6	0.5	-0.7
Q4	1.3	-3.7	0.9	3.3
2015 Q1	0.5	1.8	0.3	-2.6
Q2	0.8	2.5	1.5	2.5
Q3	0.9	-3.7	0.8	1.7
Q4	0.5	-1.1	1.2	1.7
2016 Q1	0.4	3.5	1.1	-0.9
Q2	2.1	-	1.8	1.2
Q3	1.1	-0.6	1.0	0.3
Q4	0.4	2.7	0.6	4.8
2017 Q1	0.6	5.3	1.5	-7.4
<b>Contributions to growth</b>				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2014 Q3	0.5	0.6	0.1	-0.1
Q4	0.6	-0.8	0.2	0.4
2015 Q1	0.3	0.4	0.1	-0.3
Q2	0.4	0.5	0.3	0.3
Q3	0.4	-0.8	0.1	0.2
Q4	0.2	-0.2	0.2	0.2
2016 Q1	0.2	0.7	0.2	-0.1
Q2	1.1	-	0.3	0.2
Q3	0.5	-0.1	0.2	-
Q4	0.2	0.6	0.1	0.6
2017 Q1	0.3	1.1	0.3	-0.9
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Growth</b>				
	KGI5	KH4X	KH6V	KH67
2014 Q3	2.1	9.8	8.9	2.6
Q4	2.8	7.0	8.1	4.5
2015 Q1	3.0	5.8	4.7	1.2
Q2	3.6	3.1	3.3	2.4
Q3	3.5	-3.3	3.6	4.9
Q4	2.7	-0.6	3.9	3.3
2016 Q1	2.6	1.0	4.7	5.1
Q2	3.9	-1.4	4.9	3.8
Q3	4.2	1.8	5.2	2.3
Q4	4.1	5.7	4.6	5.4
2017 Q1	4.3	7.5	5.1	-1.5
<b>Contributions to growth</b>				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2014 Q3	1.0	2.1	1.4	0.3
Q4	1.4	1.5	1.3	0.6
2015 Q1	1.5	1.2	0.8	0.1
Q2	1.8	0.7	0.6	0.3
Q3	1.7	-0.7	0.6	0.6
Q4	1.3	-0.1	0.7	0.4
2016 Q1	1.3	0.2	0.8	0.6
Q2	1.9	-0.3	0.8	0.5
Q3	2.1	0.4	0.9	0.3
Q4	2.1	1.2	0.8	0.7
2017 Q1	2.1	1.6	0.9	-0.2

<sup>1</sup> Estimates are accurate to 1 decimal place and are available from 2013 annually, Q1 2014 quarterly

<sup>2</sup> 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

# AD Annex D - Implied GDP deflator growths- Expenditure components of GDP<sup>1</sup>

Seasonally adjusted data

Reference year 2013

	Final consumption expenditure							
	House- holds	Non-prof- it instit- utions	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	
2014	1.7	1.2	0.3	-0.2	1.2	-2.6	-4.0	
2015	0.2	1.8	-0.1	0.3	1.3	-4.7	-5.3	
2016	1.1	0.8	0.8	5.1	1.4	3.9	3.9	
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T	
2014 Q3	0.6	1.3	1.8	-3.8	-0.5	-0.1	-0.6	
Q4	0.1	1.3	-1.3	-0.7	0.1	-1.1	-0.5	
2015 Q1	-0.2	-0.6	-0.1	0.1	0.9	-2.6	-3.0	
Q2	-0.1	-0.2	0.3	4.7	1.5	-0.1	-0.8	
Q3	-	2.4	0.2	-1.5	-0.9	-2.3	-1.6	
Q4	0.5	-	-0.9	0.6	-	-2.4	-0.8	
2016 Q1	0.2	-0.8	0.7	2.3	0.1	1.9	1.2	
Q2	0.3	0.4	0.7	3.1	1.3	3.4	2.8	
Q3	0.4	0.4	-0.2	-0.6	0.4	3.3	3.4	
Q4	0.6	-0.3	0.6	-0.1	0.6	2.9	1.4	
2017 Q1	0.7	0.3	0.1	0.9	0.1	1.1	1.4	
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92	
2014 Q3	1.7	1.2	1.7	-3.0	0.7	-2.2	-4.6	
Q4	1.6	0.7	-0.9	-2.2	0.7	-1.7	-4.1	
2015 Q1	0.8	0.7	0.3	-5.0	-	-1.5	-4.7	
Q2	0.3	1.8	0.7	0.2	2.0	-3.8	-4.9	
Q3	-0.3	2.9	-0.9	2.5	1.7	-5.9	-5.7	
Q4	0.1	1.6	-0.5	3.8	1.6	-7.2	-6.1	
2016 Q1	0.6	1.4	0.3	6.0	0.8	-2.8	-2.0	
Q2	1.0	2.0	0.7	4.4	0.5	0.5	1.6	
Q3	1.4	0.1	0.2	5.4	1.8	6.2	6.8	
Q4	1.6	-0.2	1.8	4.7	2.4	12.0	9.2	
2017 Q1	2.1	0.8	1.1	3.3	2.4	11.0	9.4	

<sup>1</sup> Estimates accurate to 1 decimal place and are available from 2013 annually, Q1 2014 quarterly

# AE

## Annex E - Output components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

Seasonally adjusted data

Reference year 2013

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distri- bution, hotels & catering	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
<b>Percentage change, latest year on previous year</b>												
<b>Current estimates<sup>3</sup></b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2014	13.9	1.5	0.6	2.9	-6.0	0.7	8.0	3.3	4.8	3.0	3.9	1.7
2015	1.2	1.2	8.4	-0.2	0.5	3.4	4.9	2.6	4.5	3.7	2.9	0.5
2016	-3.4	1.2	0.6	0.7	1.7	5.6	2.4	2.9	5.1	3.7	2.4	1.6
<b>Previous estimates<sup>2</sup></b>												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2014	13.9	1.5	0.6	2.9	-6.0	0.7	8.0	3.3	4.8	3.0	3.9	1.7
2015	1.2	1.2	8.4	-0.2	0.5	3.4	4.9	2.6	4.5	3.7	2.9	0.5
2016	-3.4	1.2	0.6	0.7	1.7	5.6	2.4	2.9	5.1	3.7	2.4	1.6
<b>Revisions</b>												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2014	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Current estimates<sup>3</sup></b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2014 Q3	2.0	0.2	-2.0	0.3	3.3	-0.7	2.5	1.0	1.1	1.6	1.2	0.4
Q4	2.6	0.3	1.4	0.3	-2.1	1.3	0.3	1.0	1.6	1.2	1.5	-0.1
2015 Q1	-3.1	0.4	1.8	-0.1	2.1	0.5	2.7	0.1	0.9	0.3	0.2	-0.5
Q2	1.0	0.6	8.1	-0.5	-2.5	4.0	0.6	0.5	0.9	0.9	0.2	0.5
Q3	0.5	0.1	1.7	-0.4	1.4	-	-0.9	0.5	0.8	0.5	0.5	0.2
Q4	0.3	-0.4	-2.3	0.1	-2.2	0.5	1.0	1.0	1.2	1.2	0.9	0.7
2016 Q1	-3.4	-0.3	-2.6	-0.3	0.4	2.5	1.2	0.7	1.8	0.4	0.4	0.5
Q2	-1.2	2.2	2.3	1.8	5.6	2.0	0.9	0.6	0.9	0.6	0.7	0.1
Q3	-	-0.4	4.5	-0.7	-4.3	-0.1	-0.3	0.9	1.1	2.6	0.7	0.3
Q4	1.0	0.4	-6.9	1.2	4.0	0.9	1.0	0.8	2.0	0.8	0.5	0.3
2017 Q1	0.3	0.1	1.8	0.3	-4.3	0.7	0.2	0.2	-0.6	-0.2	0.6	0.4
<b>Previous estimates<sup>2</sup></b>												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2014 Q3	2.0	0.2	-2.0	0.3	3.3	-0.7	2.5	1.0	1.1	1.6	1.2	0.4
Q4	2.6	0.3	1.4	0.3	-2.1	1.3	0.3	1.0	1.6	1.2	1.5	-0.1
2015 Q1	-3.1	0.4	1.8	-0.1	2.1	0.5	2.7	0.1	0.9	0.3	0.2	-0.5
Q2	1.0	0.6	8.1	-0.5	-2.5	4.0	0.6	0.5	0.9	0.9	0.2	0.5
Q3	0.5	0.1	1.7	-0.4	1.4	-	-0.9	0.5	0.8	0.5	0.5	0.2
Q4	0.3	-0.4	-2.3	0.1	-2.2	0.5	1.0	1.0	1.2	1.2	0.9	0.7
2016 Q1	-3.4	-0.3	-2.6	-0.3	0.4	2.5	1.2	0.7	1.8	0.4	0.4	0.5
Q2	-1.2	2.2	2.3	1.8	5.6	2.0	0.9	0.6	0.9	0.6	0.7	0.1
Q3	-	-0.4	4.5	-0.7	-4.3	-0.1	-0.3	0.9	1.1	2.6	0.7	0.3
Q4	1.0	0.4	-6.9	1.2	4.0	0.9	1.0	0.8	2.0	0.8	0.5	0.3
2017 Q1	0.3	0.3	1.3	0.5	-3.2	0.5	0.2	0.3	-0.5	-0.2	0.7	0.5
<b>Revisions</b>												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2014 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2015 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-	-0.2	0.5	-0.2	-1.1	0.2	-	-0.1	-0.1	-	-0.1	-0.1

1 Estimates are accurate to 1 decimal place

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

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

# AE

## Annex E - Output components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

continued

Seasonally adjusted data

Reference year 2013

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distri- bution, hotels & catering	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
<b>Percentage growths, latest quarter on corresponding quarter of previous year</b>												
<b>Current estimates<sup>3</sup></b>												
2014 Q3	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
Q4	13.9	1.4	-2.4	2.9	-0.2	-3.3	8.2	3.7	4.6	4.4	4.2	2.4
	15.3	1.3	-0.3	2.8	-3.8	-2.5	7.1	4.3	5.9	5.5	4.9	1.9
2015 Q1	3.2	1.2	1.6	1.1	3.8	-1.9	7.5	3.4	5.3	5.0	4.2	0.6
Q2	2.4	1.5	9.3	-0.1	0.6	5.1	6.2	2.7	4.5	4.1	3.1	0.3
Q3	0.8	1.3	13.4	-0.8	-1.2	5.8	2.7	2.1	4.2	2.9	2.4	0.1
Q4	-1.5	0.7	9.3	-0.9	-1.3	4.9	3.4	2.1	3.8	2.9	1.9	0.9
2016 Q1	-1.7	-	4.6	-1.1	-2.9	7.1	1.8	2.6	4.8	3.0	2.1	1.9
Q2	-3.8	1.6	-0.9	1.2	5.1	5.0	2.1	2.7	4.7	2.7	2.6	1.5
Q3	-4.3	1.2	1.8	0.9	-0.8	4.9	2.7	3.1	5.1	4.8	2.8	1.6
Q4	-3.7	1.9	-3.0	2.0	5.4	5.3	2.8	2.9	6.0	4.4	2.3	1.2
2017 Q1	-	2.3	1.4	2.6	0.5	3.5	1.9	2.4	3.5	3.8	2.4	1.1
<b>Previous estimates<sup>2</sup></b>												
2014 Q3	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
Q4	13.9	1.4	-2.4	2.9	-0.2	-3.3	8.2	3.7	4.6	4.4	4.2	2.4
	15.3	1.3	-0.3	2.8	-3.8	-2.5	7.1	4.3	5.9	5.5	4.9	1.9
2015 Q1	3.2	1.2	1.6	1.1	3.8	-1.9	7.5	3.4	5.3	5.0	4.2	0.6
Q2	2.4	1.5	9.3	-0.1	0.6	5.1	6.2	2.7	4.5	4.1	3.1	0.3
Q3	0.8	1.3	13.4	-0.8	-1.2	5.8	2.7	2.1	4.2	2.9	2.4	0.1
Q4	-1.5	0.7	9.3	-0.9	-1.3	4.9	3.4	2.1	3.8	2.9	1.9	0.9
2016 Q1	-1.7	-	4.6	-1.1	-2.9	7.1	1.8	2.6	4.8	3.0	2.1	1.9
Q2	-3.8	1.6	-0.9	1.2	5.1	5.0	2.1	2.7	4.7	2.7	2.6	1.5
Q3	-4.3	1.2	1.8	0.9	-0.8	4.9	2.7	3.1	5.1	4.8	2.8	1.6
Q4	-3.7	1.9	-3.0	2.0	5.4	5.3	2.8	2.9	6.0	4.4	2.3	1.2
2017 Q1	-	2.5	0.8	2.8	1.7	3.3	1.9	2.5	3.6	3.8	2.6	1.2
<b>Revisions</b>												
2014 Q3	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2015 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2016 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2017 Q1	-	-0.2	0.6	-0.2	-1.2	0.2	-	-0.1	-0.1	-	-0.2	-0.1

1 Estimates are accurate to 1 decimal place

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

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