

Statistical bulletin

# GDP quarterly national accounts, UK: January to March 2020

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



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# 1 . Main points

- UK gross domestic product (GDP) in volume terms fell by 2.2% in Quarter 1 (Jan to Mar) 2020, revised downwards by 0.2 percentage points from the first quarterly estimate; the largest fall in UK GDP since Quarter 3 (July to Sept) 1979 when it also fell by 2.2%.
- When compared with the same quarter a year ago, UK GDP decreased by 1.7% in Quarter 1 2020, a downward revision of 0.1 percentage points from the previous estimate.
- This release captures the first direct effects of the coronavirus (COVID-19) pandemic, and the government measures taken to reduce transmission of the virus.
- The services, production and construction sectors provided a negative contribution to growth in the output approach to GDP in Quarter 1 2020; with services output falling by a record 2.3% in the latest quarter.
- Household consumption declined by 2.9% in Quarter 1 2020, revised downwards by 1.2 percentage points from the first quarterly estimate; this is now the largest decline in household consumption since Quarter 3 (July to Sept) 1979.
- UK GDP increased by 1.5% between 2018 and 2019, revised upwards by 0.1 percentage points from the previous estimate.
- The households saving ratio increased to 8.6% in Quarter 1 2020, compared with 6.6% in Quarter 4 (Oct to Dec) 2019.

GDP estimates for Quarter 1 (Jan to Mar) 2020 are subject to more uncertainty than usual as a result of the [challenges](#) we faced in collecting the data during the coronavirus (COVID-19) pandemic. More information is available in the [Things you need to know about this release](#) section.

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

Gross domestic product (GDP) growth is the main indicator of economic performance. There are three approaches used to measure GDP:

- the output approach
- the expenditure approach
- the income approach

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

However, as a result of the challenges with producing GDP estimates for Quarter 1 (Jan to Mar) 2020, see 'Impact of the coronavirus' later in this section, the data content in this release is lower than we would usually expect at this stage (Figure 15, Figure 16). Further information on all three approaches to measuring GDP can be found in the [Guide to the UK National Accounts](#).

Usual practice would have seen the introduction of Value Added Tax (VAT) information for Quarter 4 (Oct to Dec) 2019 for the first time in the output approach to GDP. However, some quality concerns were identified with the VAT information for services and production industries. To allow further time to quality assure the data, we are delaying its introduction until the Blue Book-consistent Quarterly National Accounts published on 30 September 2020. VAT information for construction in Quarter 4 2019 has been included in this release as usual.

There were increased challenges around balancing GDP growth for Quarter 4 2019, in part because of heightened uncertainty around the impact of the UK's planned exit from the EU on the activity of businesses. This has been reflected in the adjustments that have been applied to the expenditure estimates (Table 5). For this reason, we recommend the breakdown of the expenditure approach to GDP is considered in the context of these adjustments. Further information on these adjustments is available in the [Quality and methodology section](#).

Quarterly sector accounts estimates for March and Quarter 1 (Jan to Mar) 2020 are subject to more uncertainty than usual as a result of the [challenges we faced in collecting data](#) during the coronavirus (COVID-19) pandemic. Given the uncertainties in estimating the impact of the pandemic on the accounts, users should be aware of the wider than normal statistical discrepancy between the Rest of the World financial and non-financial accounts.

Data in chained volume measures within this bulletin have had the effect of price changes removed (in other words, the data are deflated), except for income data, which are only available in current prices.

In line with the [National Accounts Revisions Policy](#), revisions are open back to Quarter 1 (Jan to Mar) 2019 as part of this publication.

## Impact of the coronavirus

In response to the coronavirus (COVID-19) pandemic, we are working to ensure that we continue to publish economic statistics. For more information please see [COVID-19 and the production of statistics](#).

This release captures the first direct effects of the coronavirus pandemic and the government measures taken to reduce transmission of the virus. Because of the disruption to business and implementation of these government measures, which include restrictions in movement, we faced an increased number of challenges in producing the Quarter 1 (Jan to Mar) 2020 GDP estimate for the UK. These challenges include lower than usual response to surveys that feed into this estimate. For more information on response rates, please see the [Quality and methodology section](#) of this release.

More detailed information on the challenges compiling GDP and sector accounts estimates during the coronavirus pandemic, and the steps taken to mitigate them can be found in [Coronavirus and the effects on UK GDP](#) and [Coronavirus and the effects on the UK Institutional Sector Accounts](#).

As a result of these challenges, GDP estimates for Quarter 1 2020 are subject to more uncertainty than usual. Users are advised that some components of the three approaches to measuring GDP should be interpreted with caution. More information can be found in the [output](#), [expenditure](#) and [income](#) sections of this bulletin.

In view of the heightened uncertainty, estimates in this release are likely to have larger than usual revisions in subsequent releases.

## 3 . Headline GDP

UK gross domestic product (GDP) is estimated to have fallen by a revised 2.2% in Quarter 1 (Jan to Mar) 2020. This is the joint-third largest quarterly contraction in GDP and reflects the imposing of public health restrictions and voluntary social distancing put in place in response to the coronavirus (COVID-19) pandemic.

The decline in the first quarter largely reflects the large fall in output in March 2020, with widespread monthly declines in output across the services, production and construction industries. In comparison with the same quarter a year ago, UK GDP fell by a revised 1.7% (Figure 1).

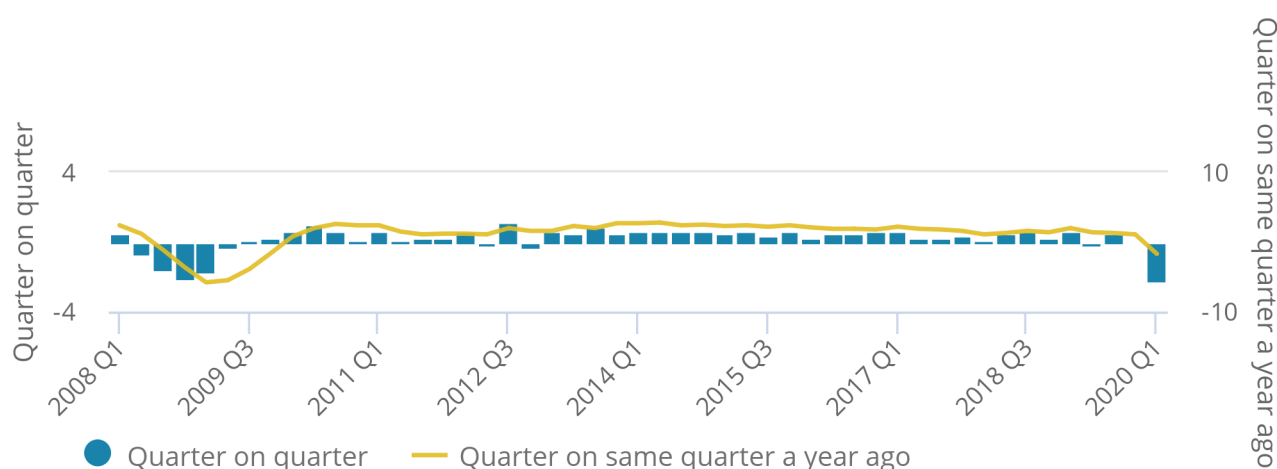
The Office for National Statistics (ONS) recently published the [monthly GDP figures for April 2020](#), which showed a 10.4% fall in GDP in the three months to April, reflecting the impact of government measures to reduce transmission of COVID-19 on economic activity. It should be noted that the April figures, which were published on 12 June 2020 and which began the production cycle for the first quarterly estimate for Quarter 2 2020, are not consistent with the figures in today's publication, which uses additional data sources to provide an updated estimate of economic growth in Quarter 1 2020 compared with the first quarterly estimate.

**Figure 1: Following flat growth in Quarter 4 2019, real GDP fell by a revised 2.2% in Quarter 1 2020**

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020

Figure 1: Following flat growth in Quarter 4 2019, real GDP fell by a revised 2.2% in Quarter 1 2020

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

#### 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. Real GDP figures are volume estimates that are adjusted for the effects of inflation over time.

Other countries have published estimates of GDP for the first quarter of 2020, highlighting how the coronavirus pandemic and the response to it has impacted upon the global economy. The Resolution Foundation has highlighted that [the size of these effects \(PDF, 323KB\)](#) will reflect “the duration of the outbreak, the public health restrictions imposed to contain the spread of the virus, and other voluntary social distancing measures that people take to reduce their chances of catching it”.

The [Oxford COVID-19 Government Response Tracker](#) captures this information by collecting information on government policy responses to create a “stringency” index. Figure 2 plots the stringency index values in Quarter 1 2020 against the latest estimates of quarterly GDP growth over the same period for a selection of countries. It shows that there is a negative correlation – higher stringency of lockdowns is associated with lower GDP growth.

When compared internationally, it implies that the size of the contraction in the UK economy in Quarter 1 was broadly in line with what might have been expected, given the policies that were in place in the UK in Quarter 1.

## **Figure 2: Greater stringency of lockdowns is associated with lower GDP growth in the first quarter**

Selection of countries, Quarter 1 (Jan to Mar) 2020

In line with the [National Accounts Revisions Policy](#), the dataset is open to revision back to Quarter 1 (Jan to Mar) 2019 as part of this publication. Revisions to the quarterly path of GDP throughout 2019 have been minimal. Annual GDP growth is now estimated to have been 1.5% in 2019.

The implied GDP deflator represents the broadest measure of inflation in the economy, reflecting changes in the price of all goods and services that comprise GDP. This includes the price movements in private and government consumption, investment and the relative price of exports and imports. In the year to Quarter 1 2020, the GDP deflator increased by 2.1%, reflecting growth in the government consumption implied deflator, which was driven by health and education. This marks an upward revision of 0.4 percentage points, mainly reflecting revisions to the government consumption implied deflator as a result of updated NHS data feeding into health. Nominal GDP contracted by 1.2% in Quarter 1 2020.

Table 1 provides an overview of some of the headline economic indicators for the UK.

Table 1: Headline National Accounts indicators for the UK

% growth<sup>1</sup>

	Chained volume measures				Current market prices		
	GDP	Household expenditure	Gross fixed capital formation	GDP per head <sup>3</sup>	GDP	Compensation of employees	GDP implied deflator
Seasonally adjusted							
2018	1.3	1.6	-0.2	0.7	3.5	4.4	2.1
2019	1.5	1.0	0.7	0.9	3.4	4.5	1.9
Q1 2018	0.1	0.4	-1.2	-0.1	0.7	1.2	0.6
Q2 2018	0.5	0.6	-0.2	0.4	1.0	0.8	0.5
Q3 2018	0.6	0.4	0.3	0.4	1.1	1.5	0.5
Q4 2018	0.2	0.2	-0.1	0.1	0.4	1.5	0.2
Q1 2019	0.7	0.2	1.2	0.5	1.3	0.5	0.7
Q2 2019	-0.1	0.4	-0.6	-0.2	0.5	1.5	0.5
Q3 2019	0.5	0.1	0.6	0.4	1.0	1.0	0.5
Q4 2019	0.0	-0.1	-1.4	-0.1	0.1	0.8	0.1
Q1 2020	-2.2	-2.9	-1.1	-2.3	-1.2	1.1	1.0

Source: Office for National Statistics – UK National Accounts

## Notes

1. Percentage change on previous period. [Back to table](#)
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec). [Back to table](#)
3. Population data are consistent with the 26 June 2019 published estimates. [Back to table](#)

## 4 . Output

In response to the coronavirus (COVID-19) pandemic, public health restrictions and social distancing measures were put in place in the UK, leading to a widespread disruption to economic activity. These measures have impacted upon the spending behaviours of consumers as well as how businesses and their employees operate. It has also affected the provision of services provided by government, including health and education.

The revisions to Quarter 1 (Jan to Mar) 2020 GDP growth have resulted in revisions to the monthly path through the quarter. In particular, there is now a fall of 6.9% for March, a downwards revision of 1.1 percentage points from the previous estimate. A more detailed breakdown of the monthly estimates will be published in the Monthly GDP release on 14 July 2020, but an indicative monthly path for January, February and March 2020 can be found in the [Links to related statistics](#) section of this article.

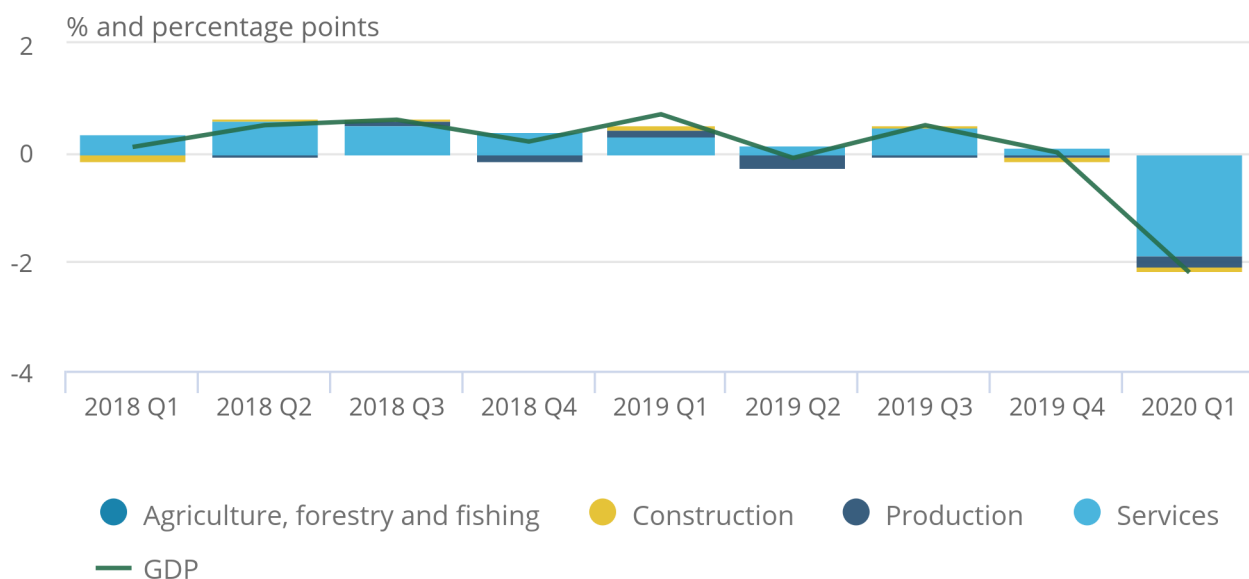
Services output decreased by a revised 2.3% in Quarter 1 2020, the largest quarterly fall since records began. Production output fell by a revised 1.5% in Quarter 1 2020, driven primarily by declines in manufacturing, while there was a fall in construction output of 1.7% (Figure 3).

**Figure 3: There was a widespread fall in output across the services, production and construction sectors in the first quarter**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 3: There was a widespread fall in output across the services, production and construction sectors in the first quarter

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

**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. Chart shows contribution to real GDP quarter-on-quarter growth.
3. Components contributions may not sum to total because of rounding.

## Services

Services output contracted by 2.3% in Quarter 1 2020, a downward revision of 0.4 percentage points.

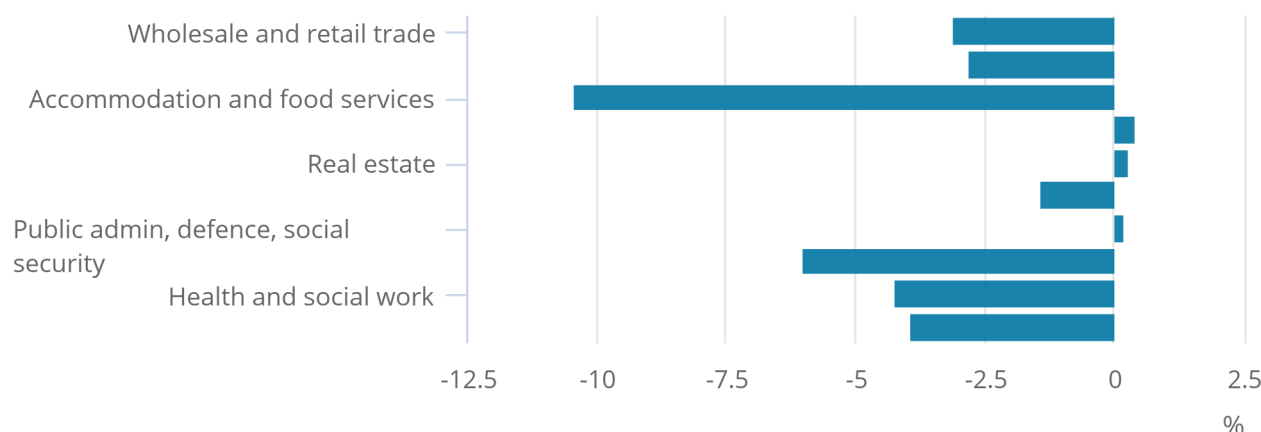
This reflects declines in the output of most industries, notably in education, wholesale and retail trade and repair of motor vehicles and motorcycles, food and beverage, accommodation and travel agencies (Figure 4). A small number of sub-industries – such as computer programming – showed an increase in output.

**Figure 4: There were widespread falls across the majority of services industries in Quarter 1 2020**

UK, Quarter 1 (Jan to Mar) 2020

Figure 4: There were widespread falls across the majority of services industries in Quarter 1 2020

UK, Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

Notes:

1. Chart shows the quarter-on-quarter growth rates of services industries.
2. "Other Services" comprises of sections R, S and T of SIC (2007).

The decline in services output in the first quarter is reflected in the March [IHS Markit UK Services PMI \(PDF, 164KB\)](#), which reported a survey-record fall in activity caused by business shutdowns and cancelled orders in response to the coronavirus pandemic. Moreover, the Quarter 1 [Bank of England Agents' Summary of Business Conditions](#) reported "a sharp decline in spending on consumer services and non-food goods", adding that the travel, leisure and hospitality sectors were the most affected.

Government and other services fell by a downwardly revised 3.7% in Quarter 1 2020, reflecting revisions to estimates of health and education. Health and social work output is now estimated to have fallen by 4.2%, whilst education output is now estimated to have fallen by 6.0% in the first quarter.

The revision to health output reflects updated information from the NHS whilst the revision to education output is because of improved alignment with government expenditure data. The decline in health output reflects the postponement or cancellation of healthcare treatments as the NHS made preparations to increase its critical care capacity in response to the pandemic, whilst the fall in education output was driven by the [partial closure of schools from 23 March onwards](#) as part of the UK government's response to the coronavirus pandemic.



## Production

Production output fell by a revised 1.5% in Quarter 1 2020 (Figure 5), marking its fourth consecutive quarterly decline.

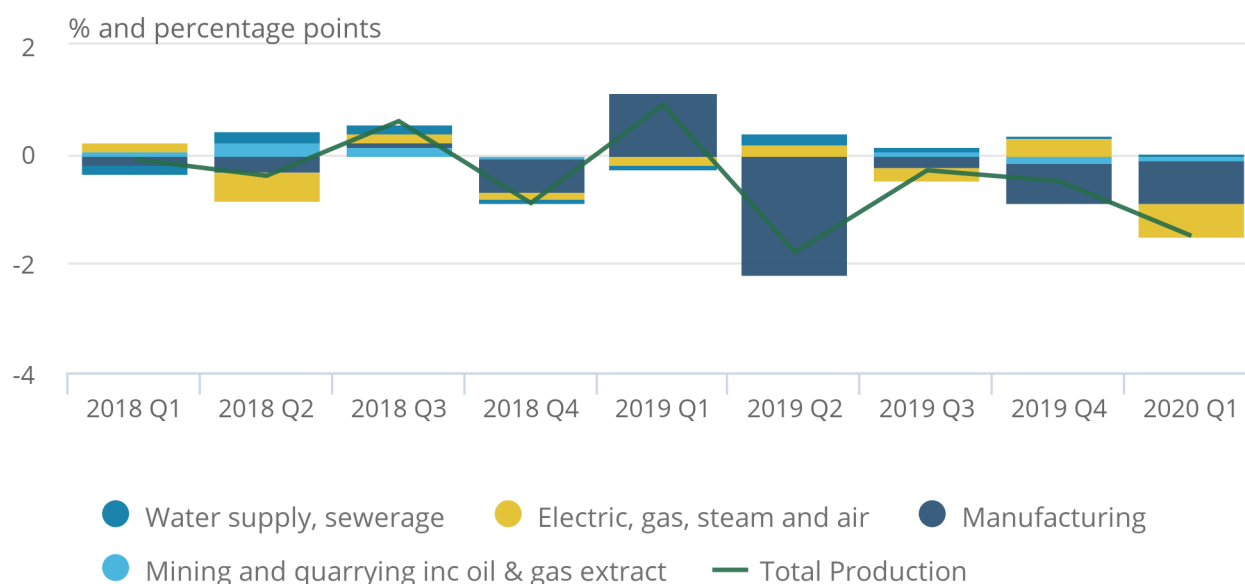
The fall in the first quarter reflects declines in manufacturing, mining and quarrying, and electricity, gas, steam and air output. The revision to production output growth is largely driven by manufacturing, and in particular the pharmaceutical industry, where new annual data have been taken on.

**Figure 5: Production output fell by a revised 1.5% in Quarter 1 2020, marking the fourth consecutive quarterly decline**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 5: Production output fell by a revised 1.5% in Quarter 1 2020, marking the fourth consecutive quarterly decline

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

### 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. Chart shows contribution to quarter-on-quarter production growth.
3. Components contributions may not sum to total because of rounding.

Manufacturing output fell by 1.1% in the first quarter of 2020, an upwards revision largely reflecting new data on the manufacture of pharmaceutical products.

External survey evidence further corroborates the decline in manufacturing output. The March IHS Markit UK Manufacturing PMI reported that [UK manufacturing output fell to its greatest extent since mid-2012 \(PDF, 164KB\)](#), reflecting “disruption resulting from the coronavirus outbreak, lower market confidence and company shutdowns”. Similarly, the Quarter 1 [Bank of England Agents' Summary of Business Conditions](#) stated that “a combination of supply-chain disruption, declining demand and measures to avoid contagion” resulted in a considerable weakening in manufacturing output.

The contraction in manufacturing was driven by decreases in the manufacture of transport equipment, machinery and equipment not elsewhere classified, and textiles. This was partially offset by increases in the manufacture of pharmaceutical, chemical, wood, and rubber and plastic products (Figure 6).

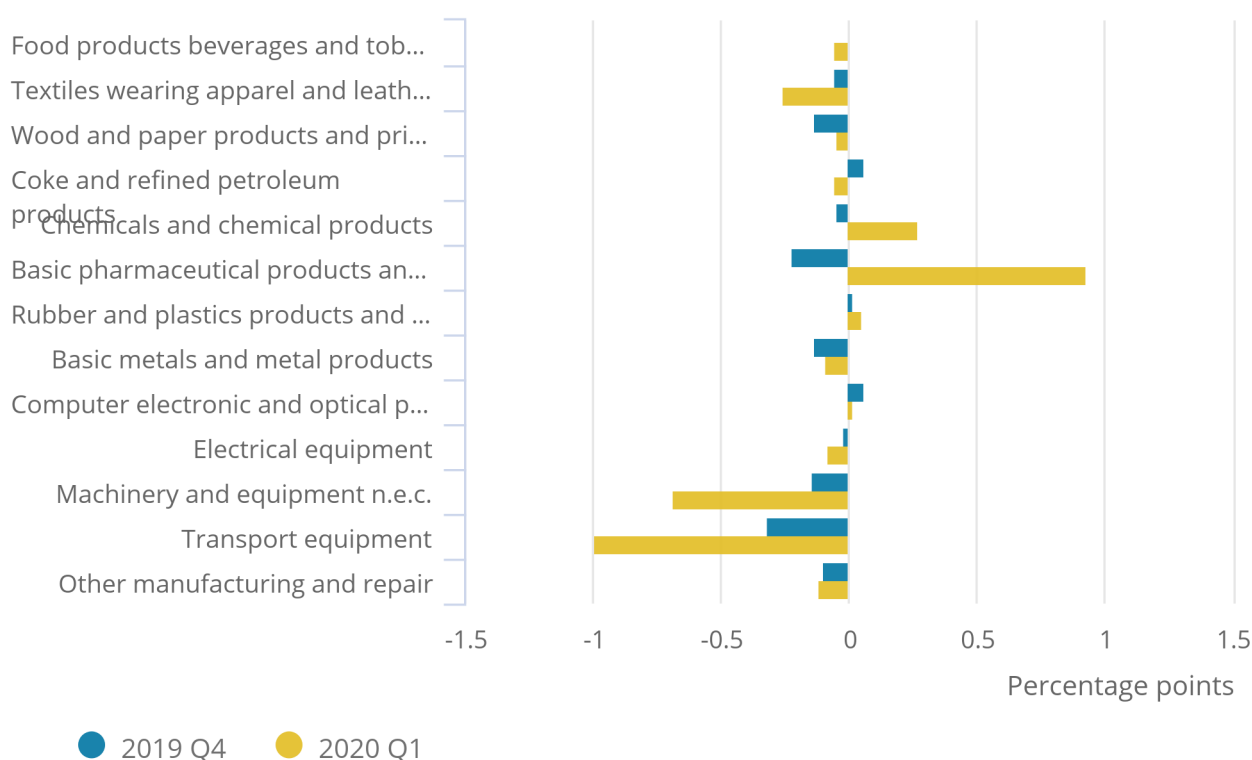
Manufacturing output of transport equipment fell by a revised 7.2% in the first quarter, largely reflecting a 15.2% decline in motor vehicle manufacturing caused by factory shutdowns in March in response to the coronavirus pandemic. This is broadly in line with data from the Society of Motor Manufacturers and Traders (SMMT), which showed a [decrease in UK car manufacturing in March](#) because of car plant closures. The SMMT figures show that UK car manufacturing fell by 37.6% in March 2020 compared with the same month in the previous year, with an overall fall of 13.8% in car manufacturing in Quarter 1 2020 compared with the same quarter in 2019.

**Figure 6: Manufacturing output fell by 1.1% in Quarter 1 2020, reflecting falls in the manufacture of transport equipment, machinery and equipment, and textiles**

UK, Quarter 4 (Oct to Dec) 2019 and Quarter 1 (Jan to Mar) 2020

**Figure 6: Manufacturing output fell by 1.1% in Quarter 1 2020, reflecting falls in the manufacture of transport equipment, machinery and equipment, and textiles**

UK, Quarter 4 (Oct to Dec) 2019 and Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

**Notes:**

1. Q1 refers to Quarter 1 (Jan to Mar) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contributions to quarter-on-quarter manufacturing growth.
3. Components contributions may not sum to total because of rounding.

Meanwhile, the manufacture of pharmaceutical products increased by an upwardly revised 12.5%, driven by stronger than usual demand for medicinal products. However, we were unable to directly identify any coronavirus-related evidence for this increase. There were also increases in the manufacture of chemical products, likely to be reflecting increased demand (in part linked to consumer stockpiling) of soaps and cleaning products in response to the coronavirus pandemic.

Following a decline of 2.2% in Quarter 4 (Oct to Dec) 2019, mining and quarrying output fell 2.1% in the first quarter of 2020. Output of electricity, gas, steam and air fell by an unrevised 5.8% in Quarter 1 2020, driven by a fall in industrial demand for electricity caused by the temporary closures of businesses.

## Construction

Following a decline of 1.0% in Quarter 4 2019, construction output fell by 1.7% in Quarter 1 2020. Growth in Quarter 4 2019 has been downwardly revised, reflecting updated Value Added Tax (VAT) and survey data, whilst growth in Quarter 1 2020 has been upwardly revised, mainly driven by base effects from the revision to construction output in Quarter 4 2019.

The decline in construction output in the first quarter is corroborated by external evidence, such as the March IHS Markit UK Construction PMI which reported that [construction output declined at the steepest rate since April 2009 \(PDF, 154KB\)](#) because of “stoppages of work on site and a slump in new orders”. It cited the impact of the coronavirus pandemic as the main reason for lower activity, with falls in output across the three broad categories of housing, commercial and civil engineering.

The Quarter 1 [Bank of England Agents' Summary of Business Conditions](#) states that construction projects were postponed “either due to economic uncertainty or because of delays caused by planning office closures”, adding that staff absence on some construction sites led to further delays.

## 5 . Expenditure

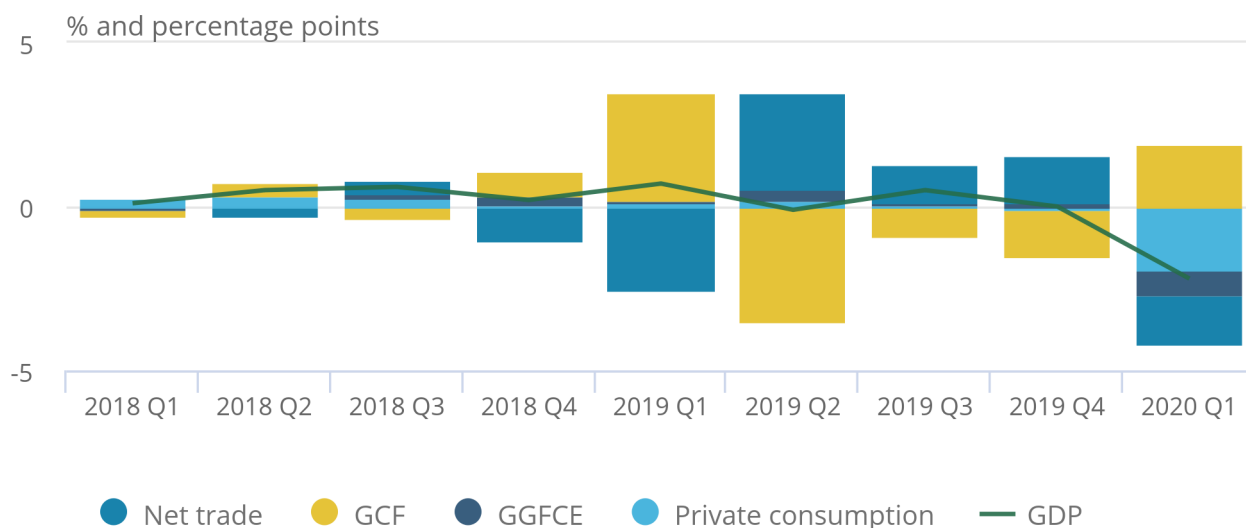
Private consumption, government consumption and net trade are estimated to have had a negative contribution to growth in Quarter 1 (Jan to Mar) 2020, with only gross capital formation contributing positively to growth (Figure 7). The positive contribution from gross capital formation in the first quarter reflects movements in valuables as well as balancing and alignment adjustments.

## Figure 7: Private consumption, government consumption and net trade contributed negatively to growth in Quarter 1 2020

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

### Figure 7: Private consumption, government consumption and net trade contributed negatively to growth in Quarter 1 2020

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

#### 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. Chart shows contribution to real GDP quarter-on-quarter growth.
3. Components contributions may not sum to total because of rounding. The statistical discrepancy is also not displayed.
4. Private consumption is household final consumption expenditure and non-profit institutions serving households.

## Private consumption

Household consumption fell by 2.9% in Quarter 1 2020, a downward revision primarily reflecting updated data on clothing and footwear, miscellaneous goods and services, and transport. This marks the largest fall in household consumption since Quarter 3 (July to Sept) 1979.

External survey evidence reinforces this weakness in consumer demand. The GfK interim COVID-19 flash report found that [UK consumer confidence fell sharply](#) to negative 34 in the last two weeks of March, stating that “the last time we saw such a decline was during the 2008 economic downturn”.

Compared with the first estimate of gross domestic product (GDP), this release includes updated data from the Retail Sales Index, trade and energy data from the Department for Business, Energy and Industrial Strategy.

Additionally, today's estimates incorporate data from the Living Costs and Food Survey, though it should be noted that the survey was suspended on 16 March 2020 and hence does not cover the lockdown period for the first quarter. In order to mitigate the impact of this temporary suspension, the Office for National Statistics (ONS) carried out additional analysis to compare the household expenditure estimates with data from business surveys relating to the production of the same goods and services. It should be noted that the Living Costs and Food Survey resumed on 14 April 2020. More information is available in [Consumer trends, UK: January to March 2020](#).

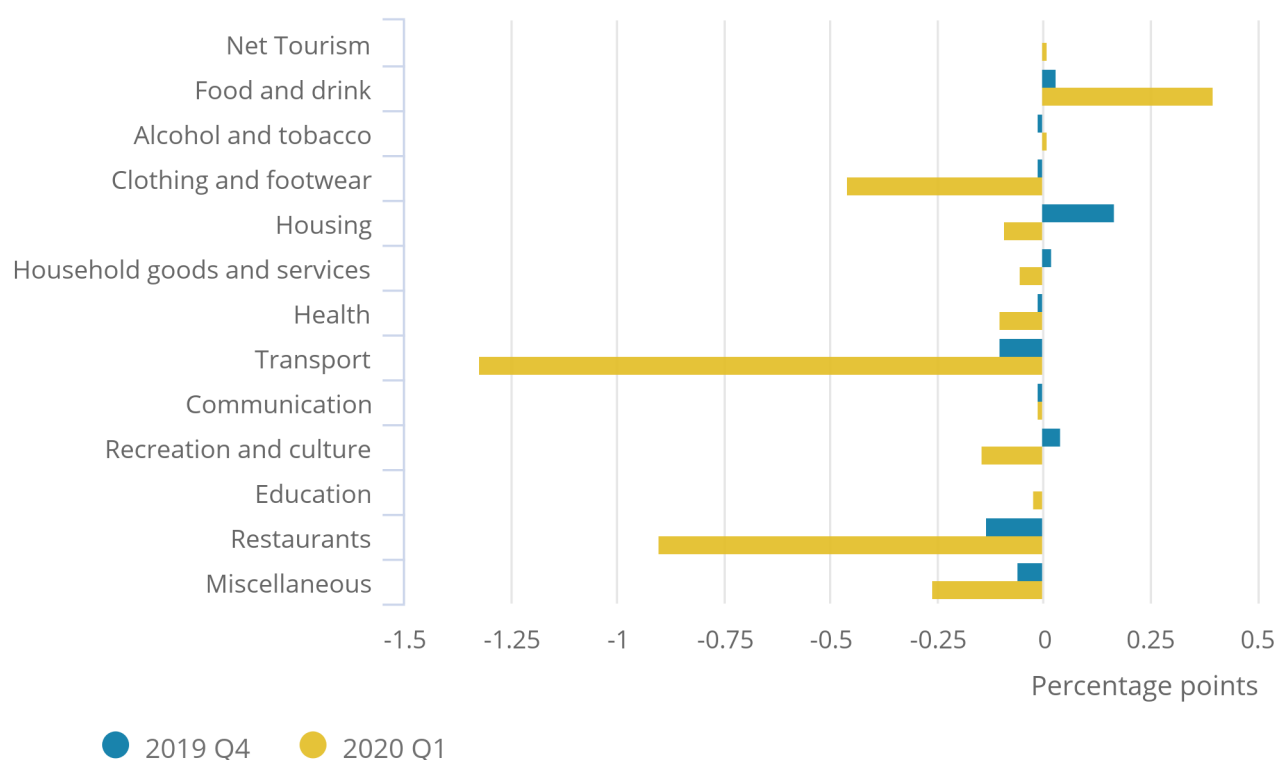
The decline in household consumption in the first quarter reflects falls in spending on transport, restaurants and hotels, and clothing and footwear (Figure 8), in line with expectations of the effects of social distancing that was put in place in March. However, these falls were partially offset by higher spending on food and drink, and to a lesser extent, net tourism, and alcohol and tobacco.

**Figure 8: The decline in household consumption in Quarter 1 2020 reflects falls in spending on transport, restaurants and hotels, and clothing and footwear**

UK, Quarter 4 (Oct to Dec) 2019 and Quarter 1 (Jan to Mar) 2020

**Figure 8: The decline in household consumption in Quarter 1 2020 reflects falls in spending on transport, restaurants and hotels, and clothing and footwear**

UK, Quarter 4 (Oct to Dec) 2019 and Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

**Notes:**

1. Q1 refers to Quarter 1 (Jan to Mar) and Q4 refers to Quarter 4 (Oct to Dec).
2. Contributions represent contributions to overall household consumption growth. Contributions may not sum exactly because of rounding.

[Official retail sales figures](#) point to lower spending on clothing, with a sharp fall in clothing store sales in March as consumers focused their spending on essential purchases such as food. Similarly, the Quarter 1 Bank of England Agents' Summary of Business Conditions stated that there was a “sharp decline in spending on consumer services and non-food goods”, highlighting that the [travel, leisure and hospitality sectors were the most affected](#).

In other external survey evidence, the [CBI Distributive Trends Survey](#) reported that “grocers reported exceptionally strong growth in sales volumes in the year to March” because of consumer stockpiling, though “most other sectors reported sharp falls in sales volumes” as households put off purchases of non-essential items. The BRC Retail Sales Monitor for March 2020 also highlights the [divergence between food and non-food retail sales](#), noting that “staying home has seen a surge in sales of food and drink” whilst “non-food categories like fashion have been forced into hibernation.”

The decline in transport spending is in line with Department for Transport figures, which show a [decline in transport use in Great Britain](#) during the second half of March as a result of the imposition of social distancing rules. The data show a decline in transport use across motor vehicles, National Rail, the London Underground (Transport for London (TfL)) and bus travel (TfL). Furthermore, data from the Society of Motor Manufacturers and Traders (SMMT) show that [new car registrations fell by 44.4% in March](#), reflecting the closure of showrooms in response to government advice to contain the spread of the coronavirus (COVID-19).

Spending by non-profit institutions serving households (NPISH) declined by 2.8% in Quarter 1 2020, revised from the initial estimate of a 0.8% increase, largely because of revisions to education that are in line with the revisions to government spending on education.

## Government consumption

Government consumption fell by a revised 4.1% in Quarter 1 2020, largely driven by revisions to health. This primarily reflects updated information relating to the postponement or cancellation of healthcare treatments as the NHS increased its critical care capacity in its response to dealing with the pandemic.

The decline in government consumption in the first quarter reflects falls in health and education expenditure. In volume terms, government healthcare consumption fell by a revised 6.2% whilst education fell by a revised 6.4% in the first quarter. The initial impact of the coronavirus on government healthcare consumption was mixed, with increased activity in some areas (calls to NHS 111) and reduced activity in other areas (elective operations and accident and emergency).

The fall in estimated education consumption was a result of school closures across the UK, with schools closed to all from 23 March, except for vulnerable pupils or those whose parents or guardians are key workers. We include the education consumed by pupils who are learning at home using materials provided by teachers. For more information on estimates of education consumption in this release please refer to [Coronavirus and the impact on measures of UK government education output](#).

## Gross capital formation

Gross fixed capital formation (GFCF) decreased by 1.1% in Quarter 1 2020, reflecting declines in government investment, dwellings investment and business investment (Figure 9). Business investment fell by 0.3% in the first quarter, reflecting falls in investment in other buildings and structures as well as transport equipment, though these were partially offset by increases in investment in information and communication technology (ICT) equipment, and other machinery and equipment.

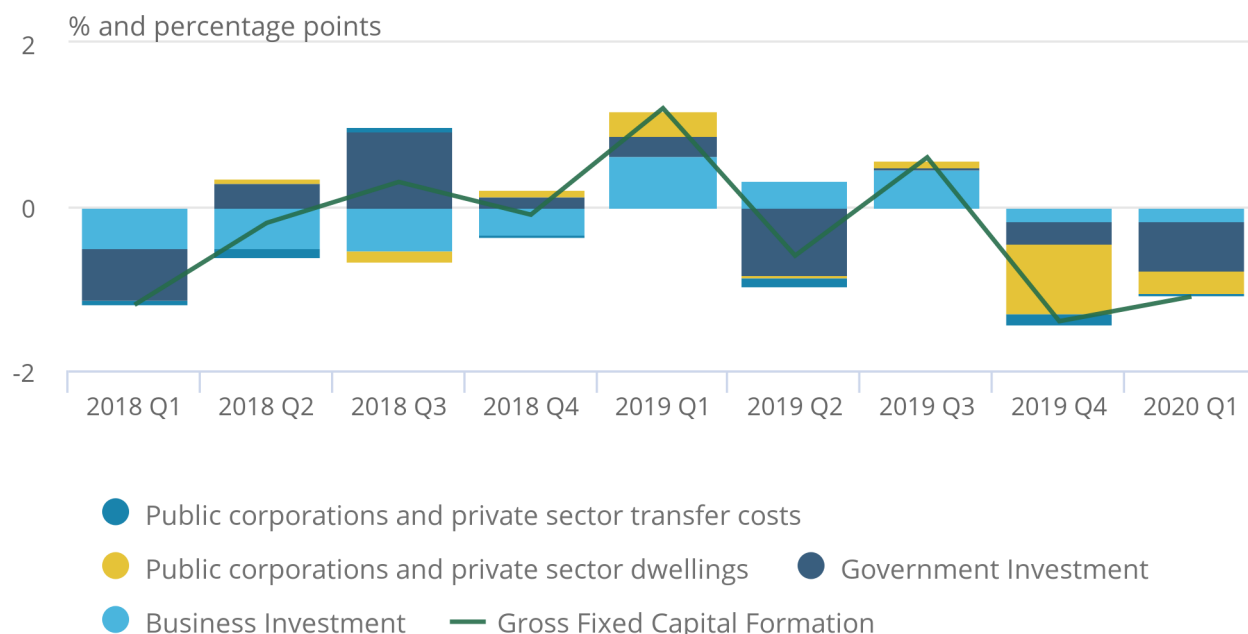


**Figure 9: Gross fixed capital formation decreased by 1.1% in Quarter 1 2020, reflecting declines in government investment, dwellings investment and business investment**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 9: Gross fixed capital formation decreased by 1.1% in Quarter 1 2020, reflecting declines in government investment, dwellings investment and business investment

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

**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. Charts shows contributions to GFCF quarter-on-quarter growth.
3. Public corporations and private sector transfer costs refers to public corporations and private sector cost of transfer of ownership of non-produced assets.

According to the Quarter 1 Bank of England Agents' Summary of Business Conditions, [investment intentions had improved slightly at the start of 2020](#) following the general election in December 2019. However, the uncertainty created by the coronavirus developments in the last few weeks of the first quarter meant that some companies were “halting investment plans and retaining cash buffers, in particular in retail, leisure, travel and hospitality”, though noting that companies in other sectors were planning to proceed with investment plans aimed at reducing staffing costs and improving efficiency.

The Quarter 1 2020 [Decision Maker's Panel](#) reports that “81% of businesses reported that COVID-19 was one of the top three sources of uncertainty for their business”, adding that “the percentage who thought that COVID-19 was an important source of uncertainty for their business in the March survey exceeded the previous peak for Brexit uncertainty of 58%”. Meanwhile, the latest Deloitte CFO Survey stated that [business confidence had declined to its lowest ever level](#), as chief financial officers (CFOs) expect a protracted hit to demand.

Dwellings investment fell by 1.4% in the first quarter of 2020, driven by falls in private sector new housing, and repair and maintenance. Investment was impacted by adverse weather conditions in February 2020 and government restrictions relating to the coronavirus in March 2020. Meanwhile, government investment fell by 3.8% in Quarter 1 2020, revised from the previous estimate of a 1.9% fall.

Alignment and balancing adjustments are typically applied to the inventories component to help balance the different approaches to GDP – more detail on these can be found in the Quality and methodology section of this bulletin. Therefore, the unadjusted data provide a better understanding of the change in the inventory position of businesses. Here, the underlying data show a substantial decrease of £2.7 billion in stocks being held by UK companies in Quarter 1 2020 (Table 2). This was led by a fall in the level of stocks held within the wholesale and retail trades.

Respondent-led evidence suggests that the decline in stock levels in the wholesale industry was largely a result of firms facing increased difficulty obtaining stock from within the UK and abroad whilst some wholesalers reported reduced stock levels because of increased demand from customers further down in the supply chain. Meanwhile, the decline in the level of stocks held within the retail industry was predominantly because of increased consumer spending on household goods, and food and drink.

Evidence from external surveys on business stockpiling was mixed. According to the March IHS Markit UK Manufacturing PMI (PDF, 168KB), [pre- and post-production inventory levels decreased in March](#), reflecting “production delays and longer times taken to receive input purchases”. However, the report adds that “there were some firms that reported attempts to build up stocks in response to the uncertainty caused by COVID-19”. In other survey evidence, the March CBI Industrial Trends Survey stated that [stock adequacy in the manufacturing sector was in line with its long-run average](#).

Table 2: Change in inventories, including and excluding balancing and alignment adjustments  
UK, Quarter 1 (Jan to Mar) 2019 to Quarter 1 (Jan to Mar) 2020

		<b>Change in inventories</b>	<b>Of which alignment</b>	<b>Of which balancing</b>	<b>Change in inventories excluding alignment and balancing</b>
2019 Q1	Current price	7,720	309	-1,000	8,411
	Chained volume measure	6,881	293	1,000	5,588
2019 Q2	Current price	2,632	1,848	-500	1,284
	Chained volume measure	-804	1,742	-2,000	-546
2019 Q3	Current price	-3,128	800	500	-4,428
	Chained volume measure	-5,223	747	500	-6,470
2019 Q4	Current price	-1,117	-2,957	-750	2,590
	Chained volume measure	-2,585	-2,782	-3,750	3,947
2020 Q1	Current price	-2,213	1,963	-1,250	-2,926
	Chained volume measure	-346	1,819	500	-2,665

Source: Office for National Statistics – UK National Accounts

#### Notes

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

Despite the falls in GFCF and change in inventories, gross capital formation – which includes GFCF, changes in inventories and acquisitions less disposals of valuables – made a positive contribution to GDP growth in the first quarter of 2020. This reflects movements in valuables, which were driven by the large export of non-monetary gold in Quarter 4 2019 and which are offset in the trade in goods figures.

## Net trade

Today's estimates show that the UK posted a trade deficit of 0.2% of nominal GDP in Quarter 1 2020, compared with an initial estimate of 0.9%. This revision reflects downward revisions to import volumes, which more than offset downward revisions to export volumes.

The coronavirus pandemic has led to a marked fall in global trade demand, whilst restrictions have also disrupted international supply chains that might have impacted on the trade intensity of demand. According to the CPB World trade monitor, [world trade volumes were 1.4% lower in March 2020](#) compared with the previous month. The report states that the decline was particularly strong in Europe where trade fell by more than 7% month-on-month, though noting that trade in China “rebounded in March, following a sharp decline in January and a consolidation in February.”

External survey evidence points towards weakened exports activity in the first quarter. The March IHS Markit UK Manufacturing PMI stated that [new export business declined at the fastest rate since July 2012 \(PDF, 168KB\)](#) “as the outbreak of COVID-19 led to lower demand from across the global economy”. According to the monthly [CBI Industrial Trends Survey](#), “manufacturers reported that both total and export order books worsened considerably” in March compared with the previous month. Meanwhile, the latest [Quarterly Economic Survey \(PDF, 1.03MB\)](#) by the British Chambers of Commerce reports that “export activity in the manufacturing sector remained underwhelming”, adding that indicators for export activity in the services sector were at their lowest levels since 2011.

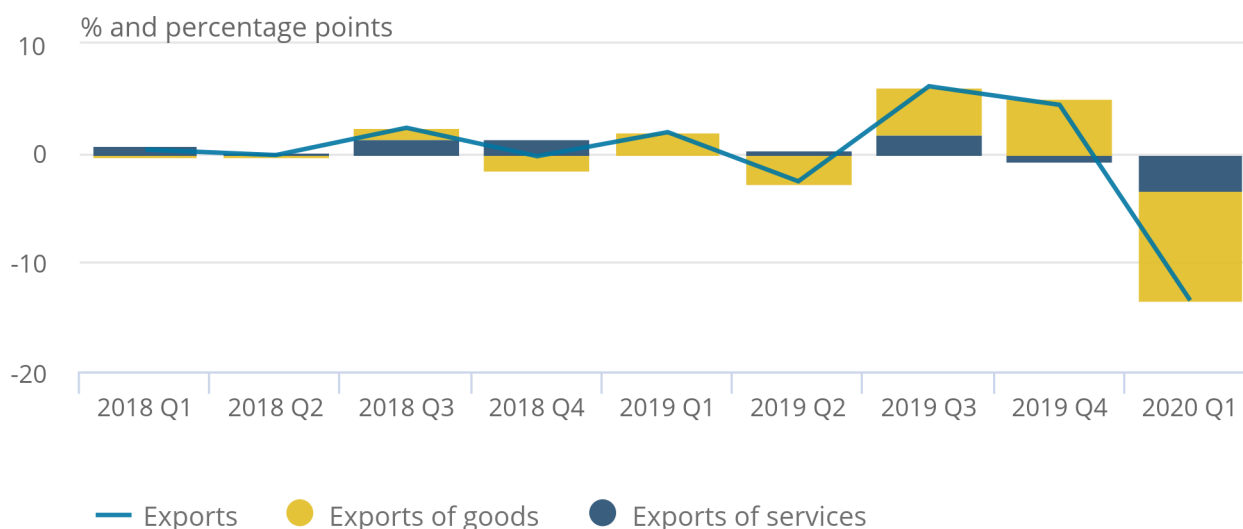
Export volumes fell by 13.5% in the first quarter of 2020, reflecting declines in both trade in goods and trade in services exports (Figure 10). Trade in goods exports declined by 18.7%, reflecting falls in unspecified goods, machinery and transport equipment, miscellaneous manufactures and chemicals, whilst trade in services exports decreased by 7.3%, driven by travel services and intellectual property.

**Figure 10: Export volumes fell by 13.5% in Quarter 1 2020, reflecting declines in both trade in goods and trade in services exports**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 10: Export volumes fell by 13.5% in Quarter 1 2020, reflecting declines in both trade in goods and trade in services exports

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

**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. Charts shows contributions to quarter-on-quarter growth of export volumes.
3. Components contributions may not sum to total because of rounding.

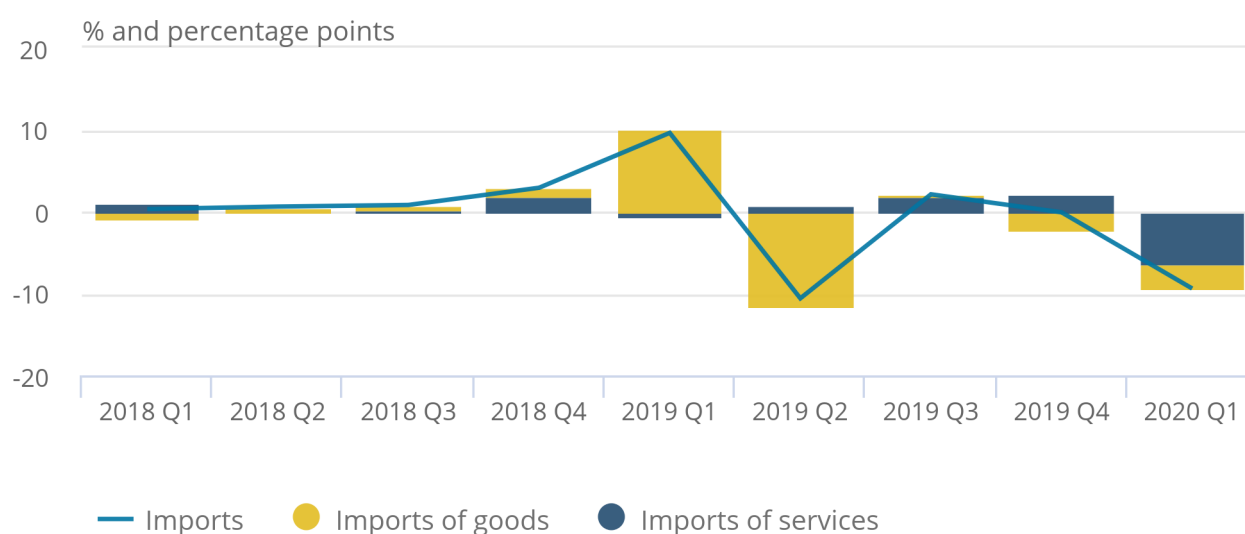
Meanwhile, import volumes decreased by 9.4% in Quarter 1 2020, with falls in both trade in goods and trade in services imports (Figure 11). Trade in goods imports fell by 4.7%, reflecting falls in machinery and transport equipment, miscellaneous manufactures and material manufactures, though these were partially offset by an increase in unspecified goods. Trade in services imports declined by 18.2%, driven by other business services and travel.

**Figure 11: Import volumes decreased by 9.4% in Quarter 1 2020, with falls in both trade in goods and trade in services imports**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

Figure 11: Import volumes decreased by 9.4% in Quarter 1 2020, with falls in both trade in goods and trade in services imports

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

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. Charts shows contributions to quarter-on-quarter growth of import volumes.
3. Components contributions may not sum to total because of rounding.

## 6 . Income

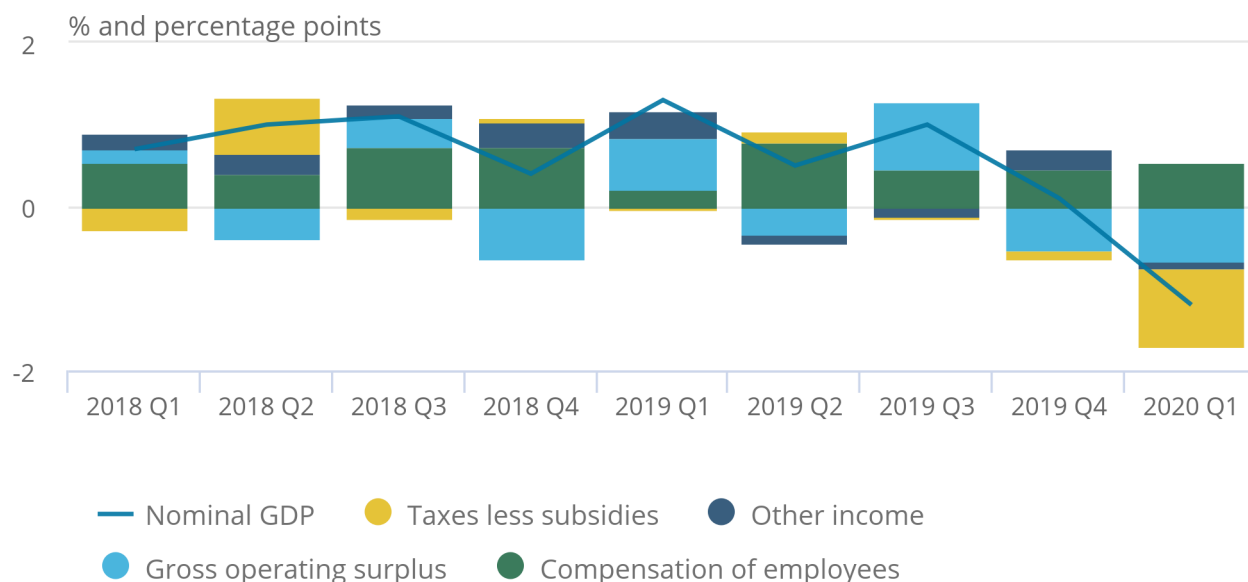
Nominal gross domestic product (GDP) fell by 1.2% in Quarter 1 (Jan to Mar) 2020, revised from the first estimate of a 1.4% fall (Figure 12). This is the largest quarterly fall in nominal GDP since Quarter 1 2009.

**Figure 12: Nominal GDP fell by a revised 1.2% in the first quarter of 2020, driven by a decline in taxes less subsidies**

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

## Figure 12: Nominal GDP fell by a revised 1.2% in the first quarter of 2020, driven by a decline in taxes less subsidies

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

### 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. Chart shows contribution to nominal GDP quarter-on-quarter growth.
3. Components contributions may not sum to total because of rounding. The statistical discrepancy is also not displayed.

Compensation of employees (CoE) increased by 1.1% in Quarter 1 2020. Wages and salaries increased by a downwardly revised 1.0%, because of actual labour market data replacing forecast data. Employers' social contributions grew by a revised 1.8% in the first quarter. These revisions reflect revised National Insurance data as well as revised data on employers' contributions to funded pension schemes.

Excluding the alignment adjustment, which is applied to private non-financial corporations (PNFC) gross operating surplus (GOS) in the income approach, GOS of corporations fell by 2.1% in Quarter 1 2020. Once the alignment adjustment is removed, PNFC GOS fell by 3.6% in the first quarter, the second consecutive quarter of decline. Meanwhile, financial corporations' GOS grew 7.8%, signalling the highest growth rate since Quarter 4 (Oct to Dec) 2017. This was driven by an increase in net spread earnings, reflecting the extreme volatility in markets and elevated trading volumes in the first quarter.

According to the latest EY UK profit warnings report, [UK companies issued 301 profit warnings in Quarter 1 2020 \(PDF, 1.17MB\)](#); this is a 238% increase from Quarter 1 2019 and more than double the previous high in Quarter 4 (Oct to Dec) 2001. The report highlights that 77% of profit warnings cited the coronavirus (COVID-19), with travel and leisure being the most affected industry.

Taxes less subsidies fell by 8.6% in Quarter 1 2020. This represents an upward revision from the first estimate of a 13.6% fall, reflecting updates to the Office for Budget Responsibility (OBR) [coronavirus reference scenario](#) as well as updated information on the extent to which Value Added Tax (VAT) receipts were impacted in the first quarter. The [updated OBR coronavirus reference scenario \(XLS, 718KB\)](#), published on 4 June 2020, incorporates updated HM Revenue and Customs weekly outturn data, which point to a lower average grant per job than previously estimated because of an apparent concentration of furloughing among part-time and lower-paid jobs. As a result of these changes as well as other less material changes, the OBR has revised down their estimate of the gross cost of the Coronavirus Job Retention Scheme (CJRS).

Transactions are recorded on an accrual basis within the national accounts. Therefore, whilst payments may not be completed on a cash basis, for reporting purposes the transaction is registered at the point when it was adjudged to take place.

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

Table 3: International GDP growth rate comparisons  
Quarter 1 (Jan to Mar) 2018 to Quarter 1 (Jan to Mar) 2020

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2018	0.3	0.2	0.3	0.2	0.1	0.0	0.1	0.5	-0.5	0.6
Q2 2018	0.4	0.4	0.6	0.2	0.4	0.0	0.5	0.4	0.4	0.9
Q3 2018	0.3	0.2	0.3	0.3	-0.1	-0.1	0.6	0.6	-0.8	0.7
Q4 2018	0.5	0.4	0.3	0.6	0.2	0.2	0.2	0.2	0.6	0.3
Q1 2019	0.6	0.5	0.6	0.5	0.5	0.2	0.7	0.3	0.6	0.8
Q2 2019	0.2	0.1	0.3	0.3	-0.2	0.1	-0.1	0.8	0.5	0.5
Q3 2019	0.3	0.3	0.4	0.2	0.3	0.0	0.5	0.3	0.0	0.5
Q4 2019	0.1	0.1	0.0	-0.1	-0.1	-0.2	0.0	0.1	-1.9	0.5
Q1 2020	-3.2	-3.6	-1.9	-5.3	-2.2	-5.3	-2.2	-2.1	-0.6	-1.3

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

### Notes

1. Table shows quarter-on-quarter percentage change. [Back to table](#)
2. Data are in chained volume measures and are seasonally adjusted. [Back to table](#)

None of the countries included within this internal comparison reported positive economic growth in Quarter 1 (Jan to Mar) 2020. This is the first time all countries have experienced negative growth in the same quarter since Quarter 1 2009.

The smallest decline seen over the latest quarter was in Japan, where a 0.6% fall in gross domestic product (GDP) was reported following a 1.9% fall in Quarter 4 (Oct to Dec) 2019. European Union (EU27) economies fell by 3.2% in Quarter 1 2020, which is the weakest growth since Organisation for Economic Co-operation and Development (OECD) records began (Quarter 1 1995).

The estimates quoted in this international comparison section are the latest available estimates at the time of preparation of this statistical bulletin and may subsequently have been revised. The data are gathered from the OECD's website excluding the data from the UK, which is compiled by the Office for National Statistics.

## 8 . Quarterly sector accounts

As announced in the article [Coronavirus and the effects on UK GDP](#), the Office for National Statistics (ONS) has temporarily withdrawn the comprehensive Quarterly sector accounts (QSA) statistical bulletin, with a brief overview now provided in this bulletin along with the release of a [QSA headline bulletin](#).

The QSA and the associated national accounts statistical compendium, [UK Economic Accounts](#), presents the net lending or borrowing of an institutional sector from both their financial and non-financial accounts as well a number of main economic indicators, including the household sector's saving ratio. Definitions of these can be found in the [QSA headline bulletin](#). All data in this section are in current ("nominal") prices meaning that the effect of inflation is included.

Figure 13 shows that in the non-financial accounts, UK net borrowing from the rest of the world increased to 3.9% of gross domestic product (GDP) in the latest quarter. Within this, general government and non-financial corporations saw an increase in their net borrowing positions to negative 4.4% of GDP and negative 2.4% of GDP respectively.

The increase in the net borrowing of general government was driven by the introduction of the Coronavirus Job Retention Scheme (CJRS) late in the quarter, recorded in the UK's National Accounts as a subsidy paid to the employer, and a fall in Value Added Tax (VAT) based on updated projections of future tax receipts. Gross operating surplus fell by £5 billion, reflecting a broad-based decline in profits across most industries and contributing to increased borrowing by non-financial corporations.

Meanwhile, financial corporations saw a decrease in their net lending position as they increased their acquisition of non-monetary gold. Conversely, the households' net lending position increased to 2.6% of GDP in Quarter 1 (Jan to Mar) 2020 from 0.8% in Quarter 4 (Oct to Dec) 2019. The reasons for this are now discussed in the context of the households' saving ratio.

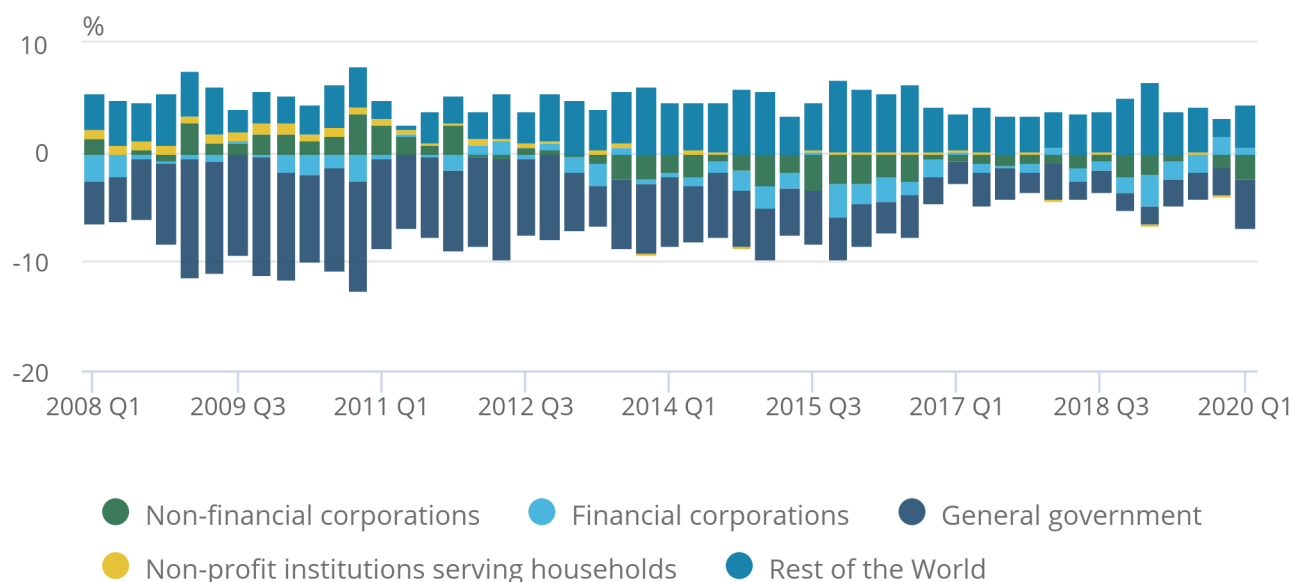


**Figure 13: UK net borrowing from the rest of the world increased to 3.9% of GDP in the latest quarter**

Net lending (+) or borrowing (-) position as a percentage of GDP, non-financial account, seasonally adjusted, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020

## Figure 13: UK net borrowing from the rest of the world increased to 3.9% of GDP in the latest quarter

Net lending (+) or borrowing (-) position as a percentage of GDP, non-financial account, seasonally adjusted, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020



**Source: Office for National Statistics – UK National Accounts**

### Notes:

1 - Sum of net lending or borrowing positions may not sum to zero in later years because of unbalanced supply and use tables in the compilation of GDP.

Figure 14 shows that the households' saving ratio increased markedly to 8.6% in the latest quarter, compared with 6.6% in the previous quarter, as households reduced their consumption spending by £9.5 billion (negative 2.7%). Before adjusting for inflationary effects, this is the largest quarterly fall in household spending since quarterly records began in 1955 and is driven by large falls in expenditure on motor vehicles, restaurants and hotels, and clothing and footwear.

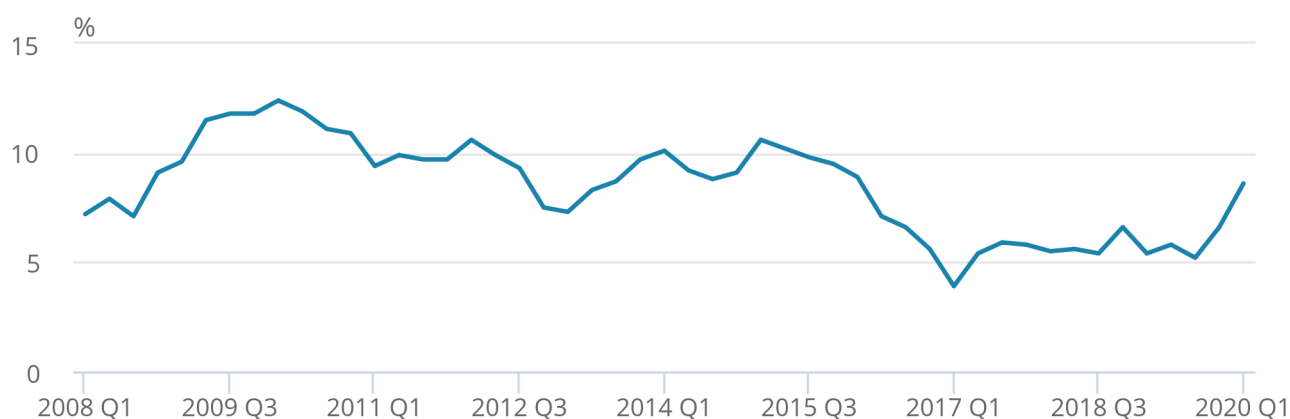
Adding to the decreased spending was an increase in net social benefits other than social transfers in kind (SBOTTIK). The rise in SBOTTIK came from two sources: increased pension receipts and a smaller, broad-based increase in state benefits being paid to households.

## Figure 14: Households' saving ratio increased to 8.6%, compared with 6.6% in the previous quarter, as household expenditure sharply declined

UK households' saving ratio, quarterly, percentage, seasonally adjusted, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020

### Figure 14: Households' saving ratio increased to 8.6%, compared with 6.6% in the previous quarter, as household expenditure sharply declined

UK households' saving ratio, quarterly, percentage, seasonally adjusted, Quarter 1 (Jan to Mar) 2008 to Quarter 1 (Jan to Mar) 2020



Source: Office for National Statistics – UK National Accounts

In the financial accounts, sectors saw large changes in the value of assets and liabilities they held as the UK and world financial markets anticipated the effects of the global coronavirus (COVID-19) pandemic. The value of listed share liabilities fell by nearly 26% in Quarter 1 2020 in line with the fall in the FTSE All Share index of 1,100 points in the same period as fears over the impact of the pandemic on economic fortunes began to intensify.

At the same time, there were large balance sheet movements in the value of derivatives. The UK's assets and liabilities of the financial instrument increased by approximately 59%. A similar movement was seen in Quarter 4 2008 in reaction to the worldwide financial crisis. Derivatives are often referred to as "hedging instruments" as they are mostly used for hedging against risk in uncertain times. In Quarter 1 2020, it was thought banks exchanged in financial derivatives because their financial profile might make them vulnerable to losses from changes in the underlying security.

Finally, in the financial account there has been evidence of a "Dash for Cash" as UK monetary financial institutions (MFIs) saw record increases in deposits placed with them on the quarter of £819.6 billion as investors switched to [safer investments](#). In part, these deposits have been funded by the issuance of new loans by UK MFIs. They recorded their highest rise ever in short-term loans of £304.8 billion.

## 9 . Links to related statistics

## Release content

All data in this bulletin are seasonally adjusted estimates. Non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). These data can be downloaded directly from the [UKEA dataset](#) and on the [UKEA main aggregates](#) dataset table. Data published in the UKEA reflect data as published on 30 June 2020 and are consistent with the data in this release.

A number of other economic indicators were published on 30 June 2020, these include:

- [Business investment](#)
- [Balance of payments](#)
- [Consumer trends](#)

## Monthly GDP

On 12 June 2020, estimates of [Monthly GDP](#) were published for April 2020. The [Index of Services](#), [Index of Production](#) and [Construction output in Great Britain](#) publications covering April 2020 are also available.

This release sees revisions to Quarter 1 (January to March) 2020. Although this release focuses on providing the best quarterly estimate of GDP, an indicative monthly path for the quarter is provided in Table 4. A full breakdown of the monthly data consistent with this release will be available in the next monthly GDP release (on 14 July 2020).

Table 4: Indicative path of monthly GDP  
UK, January to March 2020

	January 2020	February 2020	March 2020
GDP	0.2%	0.0%	-6.9%
Services	0.1%	0.0%	-7.5%
Production	0.2%	0.4%	-4.3%
Construction	1.2%	-1.8%	-5.4%
Agriculture	0.1%	0.0%	-0.9%

Source: Office for National Statistics – UK National Accounts

### Notes

1. Table shows month-on-month percentage change. [Back to table](#)
2. This is an indicative monthly path for Quarter 1 2020. A full breakdown of the monthly data consistent with this release will be available in the next monthly GDP release (14 July 2020) . [Back to table](#)

## 10 . Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Gross domestic product \(GDP\) QMI](#).

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 information

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 “Accuracy and reliability” section in the [Quality and Methodology Information report](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

### Reaching the GDP balance

The different data content and quality of the three approaches – the output approach, the expenditure approach and the income approach – dictates the approach taken in balancing quarterly data. In the UK, there are more data available on output in the short-term than in either of the other two approaches. However, to obtain the best estimate of GDP (the published figure), the estimates from all three approaches are balanced to produce an average, except in the latest two quarters where the output data takes the lead because of its larger data content.

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

Alignment adjustments, found in Table M of the [quarterly national accounts 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, larger alignment adjustments are sometimes needed. This has been the case in Quarter 4 (Oct to Dec) 2019 for expenditure.

To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the components of GDP where required. They are applied to the individual components where data content is particularly weak in a given quarter because of a higher level of forecast content.

The balancing adjustments applied in this quarter are shown in Table 5, the resulting series should be considered accordingly.

Table 5: Balancing adjustments applied to the GDP quarterly national accounts dataset for Quarter 1 (Jan to Mar) 2019 to Quarter 1 (Jan to Mar) 2020

GDP measurement approach and component adjustment applied to		Q1 2019	Q2 2019	Q3 2019	Q4 2019	Q1 2020
<b>Expenditure</b>						
Trade in Services (exports)	Current prices	500		-1,000	-1,950	
	Chained volume measure	1,200		-1,000	-2,450	
Trade in Services (imports)	Current prices	800		1,000	4,500	
	Chained volume measure		250	1,500	4,500	
Change in inventories	Current prices	-1,000	-500	500	-750	-1,250
	Chained volume measure	1,000	-2,000	500	-3,750	500
<b>Income</b>						
Financial corporations GOS	Current prices		-500		500	
Private non-financial corporations GOS	Current prices		-750		500	

Source: Office for National Statistics – UK National Accounts

#### Notes

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

We have applied larger than usual adjustments to the expenditure approach in Quarter 4 (Oct to Dec) 2019 in part after heightened uncertainty around the impact of the UK's planned exit from the EU on the timing of activity of businesses.

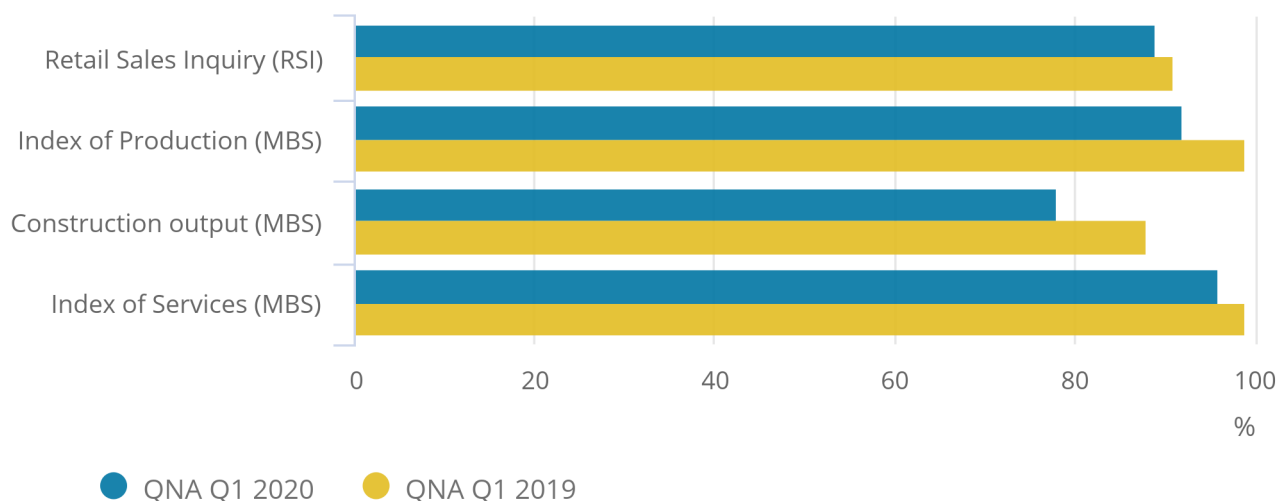
## Coronavirus (COVID-19) impact on response rates

**Figure 15: Response rates for surveys feeding into the output approach to GDP**

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019

### Figure 15: Response rates for surveys feeding into the output approach to GDP

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019



**Source: Office for National Statistics – UK National Accounts**

**Notes:**

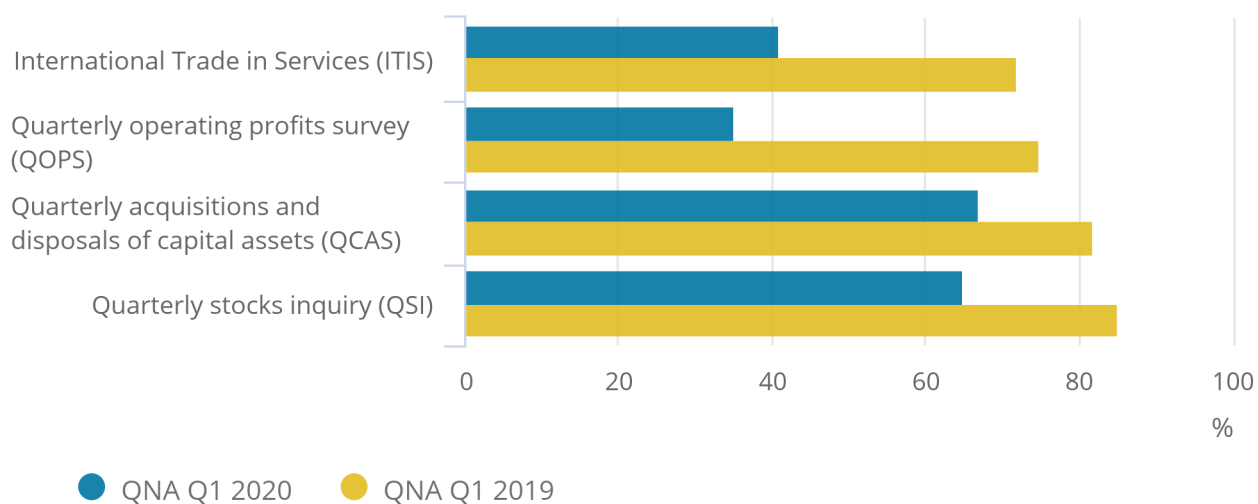
1. QNA refers to GDP quarterly national accounts. Q1 refers to Quarter 1 (Jan to Mar).
2. Chart shows MBS and RSI turnover response rates.
3. For MBS and RSI, an average of the Jan, Feb and Mar response rates have been taken to produce the Q1 response rate.
4. Response rate for all months, both questionnaire and turnover, can be found in [Index of Production](#), [Index of Services](#), [Construction](#), and [Retail Sales Inquiry](#).

## Figure 16: Response rates for surveys feeding into the expenditure and income approaches to GDP

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019

### Figure 16: Response rates for surveys feeding into the expenditure and income approaches to GDP

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019



Source: Office for National Statistics – UK National Accounts

#### Notes:

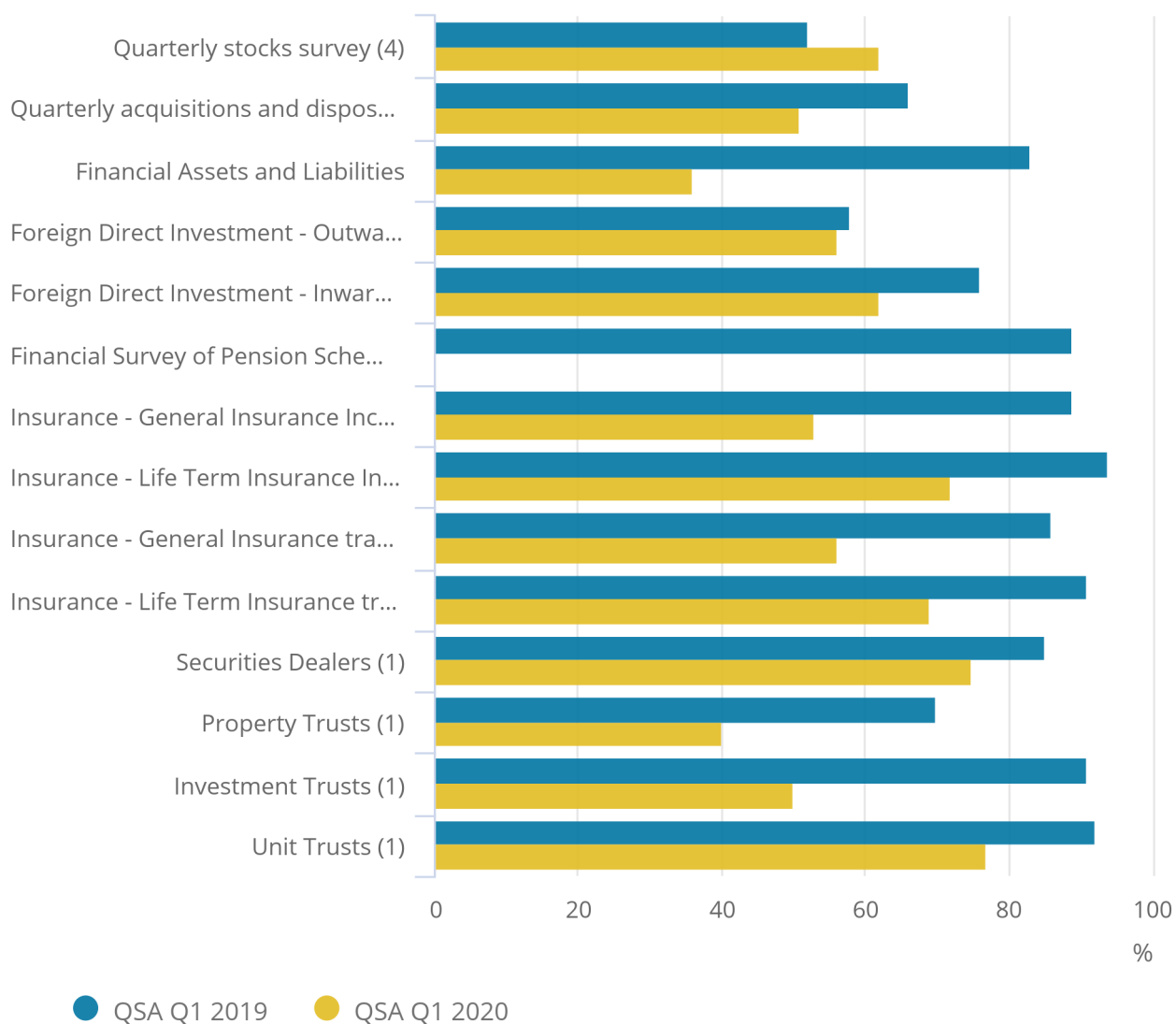
1. QNA refers to GDP quarterly national accounts. Q1 refers to Quarter 1 (Jan to Mar).
2. Chart shows questionnaire response rates.

**Figure 17: Survey response rates for Quarterly sector accounts**

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019

## Figure 17: Survey response rates for Quarterly sector accounts

Quarter 1 (Jan to Mar) 2020 and Quarter 1 (Jan to Mar) 2019



Source: Office for National Statistics – UK National Accounts

Notes:



1. Part of the Other Financial Intermediaries sector.
2. Part of the Insurance and Pensions sector.
3. Latest data for this survey is always forecast. March 2019 value = 2019Q2 the date at which this survey was launched.
4. Quarter 1 provisional.

Figure 15, Figure 16 and Figure 17 highlight a decline in response rates for surveys that feed into the GDP quarterly national accounts and Quarterly sector accounts estimates for Quarter 1 (Jan to Mar) 2020. We have undertaken a significant amount of work to ensure that the effect on the quality of our estimates are mitigated as much as possible.

This includes focusing resources on main respondents and industries, methodology reviews including but not limited to seasonal adjustment, forecast and imputation, and the use of additional sources of data (in quality assurance). More information on the measures taken can be found in Section 6 of [Coronavirus and the effects on UK GDP](#).

More information on [Monthly Business Survey response rates](#) by industry is available.

## **Quarterly Stocks Survey temporary expansion**

The Quarterly Stocks Survey (formerly Inquiry) is used in the compilation of the changes in inventories component. To address users' concerns about the sample size of the survey and the potential impact on quality, we temporarily increased the sample size from 5,500 to 9,500 businesses for Quarter 2 (Apr to June) 2019. We have continued to boost the sample in subsequent quarters and will continue to do so until further notice.

# A1 National accounts aggregates<sup>1,2</sup>

2016 = 100

	Value indices at current prices		Chained volume indices				Implied deflators <sup>3</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	Gross national disposable income at market prices	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	YBFP	L48H	YBFV	YBGB	CGBV
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.8	103.9	101.9	102.0	103.0	102.8	102.2	101.9	101.8
2018	107.5	107.6	103.3	103.3	104.3	104.9	104.3	104.1	104.1
2019	111.1	111.3	104.8	104.8	105.5	106.1	106.0	106.0	106.2
<b>Seasonally adjusted</b>									
2016 Q4	101.7	101.7	100.8	100.9	102.0	101.0	100.7	100.9	100.8
2017 Q1	102.9	103.0	101.4	101.5	102.9	102.2	102.0	101.5	101.4
Q2	103.3	103.5	101.7	101.8	102.3	102.5	101.8	101.6	101.7
Q3	103.8	103.7	102.0	102.1	103.2	103.0	102.1	101.7	101.6
Q4	105.2	105.3	102.4	102.5	103.8	103.7	102.9	102.7	102.7
2018 Q1	106.0	106.3	102.5	102.6	103.7	103.9	103.5	103.4	103.7
Q2	107.0	106.9	103.0	103.1	104.5	104.6	104.0	103.9	103.7
Q3	108.2	108.3	103.6	103.7	104.5	105.3	104.8	104.4	104.5
Q4	108.6	108.7	103.9	103.9	104.4	105.6	104.9	104.6	104.6
2019 Q1	110.1	110.2	104.5	104.6	105.9	106.1	105.2	105.3	105.4
Q2	110.6	110.8	104.5	104.6	105.6	105.8	106.0	105.9	106.0
Q3	111.7	112.0	105.0	105.1	104.8	106.3	106.7	106.4	106.6
Q4	111.8	112.2	105.0	105.1	105.7	106.1	106.2	106.5	106.8
2020 Q1	110.4	111.3	102.7	102.8	102.6	103.8	107.6	107.5	108.3
<b>Percentage change, latest year on previous year</b>									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2016	4.1	4.0	1.9	1.9	2.1	2.5	1.9	2.1	2.0
2017	3.8	3.9	1.9	2.0	3.0	2.8	2.2	1.9	1.8
2018	3.5	3.6	1.3	1.3	1.2	2.0	2.1	2.1	2.2
2019	3.4	3.5	1.5	1.5	1.2	1.2	1.6	1.9	2.0
<b>Percentage change, latest quarter on previous quarter</b>									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2016 Q4	1.3	1.2	0.6	0.7	1.7	0.9	0.4	0.7	0.5
2017 Q1	1.2	1.2	0.6	0.6	0.8	1.1	1.3	0.6	0.7
Q2	0.4	0.5	0.3	0.3	-0.6	0.3	-0.2	0.2	0.2
Q3	0.4	0.2	0.3	0.3	0.9	0.5	0.2	0.1	-0.1
Q4	1.4	1.5	0.4	0.4	0.6	0.7	0.8	1.0	1.2
2018 Q1	0.7	0.9	0.1	-	-0.1	0.2	0.6	0.6	0.9
Q2	1.0	0.5	0.5	0.5	0.7	0.7	0.4	0.5	-
Q3	1.1	1.4	0.6	0.6	-	0.7	0.8	0.5	0.8
Q4	0.4	0.4	0.2	0.2	-0.1	0.2	-	0.2	0.2
2019 Q1	1.3	1.4	0.7	0.7	1.5	0.5	0.3	0.7	0.7
Q2	0.5	0.5	-0.1	-0.1	-0.3	-0.3	0.8	0.5	0.6
Q3	1.0	1.1	0.5	0.5	-0.8	0.5	0.6	0.5	0.6
Q4	0.1	0.2	-	-	0.9	-0.1	-0.4	0.1	0.2
2020 Q1	-1.2	-0.8	-2.2	-2.2	-2.9	-2.2	1.3	1.0	1.4
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2016 Q4	4.8	4.8	1.8	2.0	5.4	3.5	2.9	3.0	2.7
2017 Q1	4.8	5.0	2.2	2.3	4.4	3.2	2.9	2.5	2.6
Q2	3.6	3.7	1.9	2.1	3.1	2.6	1.8	1.6	1.6
Q3	3.4	3.2	1.8	1.9	2.9	2.9	1.8	1.6	1.3
Q4	3.5	3.6	1.6	1.6	1.7	2.7	2.2	1.8	2.0
2018 Q1	2.9	3.3	1.1	1.0	0.8	1.7	1.5	1.9	2.2
Q2	3.6	3.3	1.3	1.3	2.1	2.1	2.1	2.2	2.0
Q3	4.3	4.4	1.6	1.5	1.3	2.3	2.7	2.6	2.9
Q4	3.3	3.2	1.4	1.4	0.6	1.8	1.9	1.8	1.9
2019 Q1	3.9	3.7	2.0	2.0	2.1	2.1	1.6	1.9	1.7
Q2	3.4	3.7	1.4	1.4	1.1	1.1	2.0	1.9	2.2
Q3	3.3	3.4	1.3	1.4	0.3	0.9	1.8	1.9	2.0
Q4	2.9	3.2	1.1	1.1	1.3	0.5	1.3	1.8	2.1
2020 Q1	0.3	1.0	-1.7	-1.7	-3.1	-2.2	2.3	2.1	2.8

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

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

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

# A2 National accounts aggregates<sup>1</sup>

£ million

	Current prices					Chained Volume Measures (Reference year 2016)				
	Gross national income at market prices	Net income from abroad <sup>2</sup>	Gross domestic product at market prices	less Basic price adjust-ment <sup>3</sup>	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjust-ment <sup>3</sup>	Gross value added at basic prices	Gross value added excluding oil & gas <sup>4</sup>	
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2	
2016	1 947 547	-47 931	1 995 478	217 344	1 778 134	1 995 478	217 344	1 778 134	1 769 730	
2017	2 046 968	-24 699	2 071 667	224 764	1 846 903	2 033 234	219 805	1 813 429	1 804 895	
2018	2 116 774	-27 530	2 144 304	231 722	1 912 582	2 060 494	223 392	1 837 102	1 827 953	
2019	2 179 103	-37 349	2 216 452	236 982	1 979 470	2 090 632	226 404	1 864 228	1 854 889	
Seasonally adjusted										
2016 Q4	499 011	-8 364	507 375	55 293	452 082	503 083	54 379	448 704	446 651	
2017 Q1	509 166	-4 292	513 458	55 757	457 701	505 983	54 682	451 301	449 181	
Q2	507 982	-7 552	515 534	55 579	459 955	507 255	54 823	452 432	450 296	
Q3	511 882	-5 906	517 788	56 732	461 056	508 982	55 022	453 960	451 784	
Q4	517 938	-6 949	524 887	56 696	468 191	511 014	55 278	455 736	453 634	
2018 Q1	522 413	-6 176	528 589	55 957	472 632	511 318	55 377	455 941	453 775	
Q2	528 203	-5 641	533 844	58 803	475 041	514 011	55 709	458 302	456 025	
Q3	533 708	-6 170	539 878	58 331	481 547	517 029	56 071	460 958	458 781	
Q4	532 450	-9 543	541 993	58 631	483 362	518 136	56 235	461 901	460 298	
2019 Q1	542 556	-6 658	549 214	59 158	490 056	521 546	56 499	465 047	462 705	
Q2	545 246	-6 614	551 860	59 305	492 555	521 251	56 437	464 814	462 485	
Q3	544 575	-12 868	557 443	59 546	497 897	523 918	56 713	467 206	464 843	
Q4	546 726	-11 209	557 935	58 973	498 962	523 917	56 755	467 161	464 856	
2020 Q1	537 361	-13 613	550 973	56 115	494 858	512 458	55 481	456 977	454 751	
Percentage change,latest year on previous year										
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8	
2016	4.0		4.1		4.0	1.9		1.9	1.9	
2017	5.1		3.8		3.9	1.9		2.0	2.0	
2018	3.4		3.5		3.6	1.3		1.3	1.3	
2019	2.9		3.4		3.5	1.5		1.5	1.5	
Percentage change, latest quarter on previous quarter										
	KH75		IHYN		KGL8	IHYQ		KGM9		
2016 Q4	1.8		1.3		1.2	0.6		0.7	0.8	
2017 Q1	2.0		1.2		1.2	0.6		0.6	0.6	
Q2	-0.2		0.4		0.5	0.3		0.3	0.2	
Q3	0.8		0.4		0.2	0.3		0.3	0.3	
Q4	1.2		1.4		1.5	0.4		0.4	0.4	
2018 Q1	0.9		0.7		0.9	0.1		-	-	
Q2	1.1		1.0		0.5	0.5		0.5	0.5	
Q3	1.0		1.1		1.4	0.6		0.6	0.6	
Q4	-0.2		0.4		0.4	0.2		0.2	0.3	
2019 Q1	1.9		1.3		1.4	0.7		0.7	0.7	
Q2	0.5		0.5		0.5	-0.1		-0.1	-	
Q3	-0.1		1.0		1.1	0.5		0.5	0.5	
Q4	0.4		0.1		0.2	-		-	-	
2020 Q1	-1.7		-1.2		-0.8	-2.2		-2.2	-2.2	
Percentage change, latest quarter on corresponding quarter of previous year										
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9	
2016 Q4	7.2		4.8		4.8	1.8		2.0	2.0	
2017 Q1	7.2		4.8		5.0	2.2		2.3	2.3	
Q2	5.1		3.6		3.7	1.9		2.1	2.1	
Q3	4.4		3.4		3.2	1.8		1.9	1.9	
Q4	3.8		3.5		3.6	1.6		1.6	1.6	
2018 Q1	2.6		2.9		3.3	1.1		1.0	1.0	
Q2	4.0		3.6		3.3	1.3		1.3	1.3	
Q3	4.3		4.3		4.4	1.6		1.5	1.5	
Q4	2.8		3.3		3.2	1.4		1.4	1.5	
2019 Q1	3.9		3.9		3.7	2.0		2.0	2.0	
Q2	3.2		3.4		3.7	1.4		1.4	1.4	
Q3	2.0		3.3		3.4	1.3		1.4	1.4	
Q4	2.7		2.9		3.2	1.1		1.1	1.2	
2020 Q1	-1.0		0.3		1.0	-1.7		-1.7	-1.7	

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

<sup>2</sup> Includes employment, entrepreneurial and property income.

<sup>3</sup> Taxes on products less subsidies.

<sup>4</sup> 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>

2016 = 100

	Production							Service industries						
	Agri- culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr- uction <sup>5</sup>	Distrib- ution, hotels & restaura- nts	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added <sup>4</sup>	Gross value added excluding oil & gas
2016 Weights <sup>3</sup>	7	6	102	15	13	136	61	133	108	339	217	796	1000	995
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	105.7	101.7	102.2	98.2	102.0	101.7	106.4	102.4	103.6	101.0	101.2	101.7	102.0	102.0
2018	102.5	107.1	103.1	96.7	102.5	102.5	106.4	105.5	107.6	102.8	101.9	103.7	103.3	103.3
2019	101.4	108.5	101.3	95.0	104.2	101.3	108.5	108.4	112.2	103.5	103.6	105.5	104.8	104.8
<b>Seasonally adjusted</b>														
2016 Q4	100.9	98.0	100.5	101.6	101.4	100.6	101.7	101.6	101.5	101.0	100.1	100.9	100.9	101.0
2017 Q1	105.6	100.9	101.5	97.4	104.5	101.3	106.0	101.8	101.8	100.8	101.0	101.1	101.5	101.5
Q2	105.7	101.9	101.3	98.4	100.3	100.9	106.2	102.3	103.4	100.6	101.5	101.5	101.8	101.8
Q3	106.3	103.3	102.3	98.7	101.3	101.8	106.4	102.7	104.0	101.1	101.2	101.8	102.1	102.1
Q4	105.3	100.6	103.8	98.5	101.9	102.9	107.2	102.9	105.1	101.6	101.1	102.2	102.5	102.5
2018 Q1	103.3	102.1	103.6	100.0	100.1	102.8	105.3	103.3	105.0	102.4	101.3	102.6	102.6	102.6
Q2	102.3	107.0	103.2	94.9	102.3	102.4	106.1	105.3	106.5	102.7	101.7	103.4	103.1	103.1
Q3	102.0	110.4	103.3	96.4	104.2	102.9	107.2	106.5	108.7	102.9	102.1	104.1	103.7	103.7
Q4	102.7	108.9	102.4	95.5	103.3	102.0	107.2	107.1	110.0	103.3	102.5	104.6	103.9	104.0
2019 Q1	101.5	108.7	103.9	94.1	102.3	102.9	109.0	108.2	111.5	103.0	102.9	105.0	104.6	104.6
Q2	101.2	108.2	101.0	95.9	104.4	101.1	108.4	108.4	112.1	103.1	103.2	105.2	104.6	104.5
Q3	101.5	109.8	100.7	93.6	105.0	100.8	108.9	108.6	112.9	103.9	103.9	105.9	105.1	105.1
Q4	101.3	107.4	99.7	96.5	105.2	100.2	107.8	108.4	112.3	104.2	104.4	106.0	105.1	105.1
2020 Q1	101.2	105.1	98.6	90.9	105.6	98.8	106.0	103.3	109.1	103.8	100.6	103.6	102.8	102.8
<b>Percentage change, latest year on previous year</b>														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2016	-5.5	-2.0	0.2	3.7	7.1	1.1	3.9	3.7	2.8	2.7	-0.5	2.0	1.9	1.9
2017	5.7	1.7	2.2	-1.8	2.0	1.7	6.4	2.4	3.6	1.0	1.2	1.7	2.0	2.0
2018	-3.0	5.3	0.9	-1.6	0.5	0.8	-	3.0	3.8	1.8	0.7	2.0	1.3	1.3
2019	-1.1	1.3	-1.7	-1.8	1.7	-1.3	1.9	2.7	4.3	0.7	1.7	1.8	1.5	1.5
<b>Percentage change, latest quarter on previous quarter</b>														
													KGM9	
2016 Q4	1.6	-5.5	0.8	2.6	1.4	0.7	1.3	1.8	0.7	0.6	0.2	0.7	0.7	0.8
2017 Q1	4.7	3.0	0.9	-4.1	3.0	0.7	4.2	0.2	0.2	-0.3	0.9	0.2	0.6	0.6
Q2	0.1	1.0	-0.1	0.9	-4.0	-0.4	0.3	0.5	1.6	-0.2	0.5	0.4	0.3	0.2
Q3	0.6	1.3	0.9	0.3	1.0	0.9	0.1	0.4	0.6	0.5	-0.2	0.3	0.3	0.3
Q4	-1.0	-2.6	1.5	-0.2	0.6	1.1	0.7	0.2	1.0	0.5	-0.2	0.4	0.4	0.4
2018 Q1	-2.0	1.5	-0.2	1.6	-1.8	-0.1	-1.8	0.4	-0.1	0.7	0.2	0.4	-	-
Q2	-1.0	4.8	-0.4	-5.1	2.2	-0.4	0.8	1.9	1.4	0.3	0.4	0.8	0.5	0.5
Q3	-0.3	3.2	0.1	1.6	1.8	0.6	1.1	1.2	2.0	0.2	0.4	0.7	0.6	0.6
Q4	0.7	-1.4	-0.8	-0.9	-0.9	-0.9	-	0.5	1.2	0.3	0.4	0.5	0.2	0.3
2019 Q1	-1.2	-0.1	1.5	-1.5	-1.0	0.9	1.6	1.1	1.3	-0.2	0.4	0.4	0.7	0.7
Q2	-0.2	-0.4	-2.9	1.9	2.1	-1.8	-0.6	0.2	0.6	0.1	0.2	0.2	-0.1	-
Q3	0.2	1.5	-0.3	-2.4	0.6	-0.3	0.5	0.1	0.7	0.8	0.7	0.6	0.5	0.5
Q4	-0.1	-2.2	-1.0	3.2	0.2	-0.5	-1.0	-0.2	-0.5	0.3	0.5	0.1	-	-
2020 Q1	-0.1	-2.1	-1.1	-5.8	0.4	-1.5	-1.7	-4.7	-2.8	-0.4	-3.7	-2.3	-2.2	-2.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KII2	KIH9	KIH8	L44Q	KGN3	KLH9
2016 Q4	-3.5	-4.6	1.4	6.8	6.6	2.1	4.8	3.9	3.5	2.5	-1.3	1.8	2.0	2.0
2017 Q1	4.9	1.7	2.4	0.3	6.2	2.5	8.0	2.9	3.1	1.7	0.8	1.8	2.3	2.3
Q2	6.6	2.8	0.6	-3.7	0.2	0.2	6.5	2.8	4.6	1.3	1.6	2.1	2.1	2.1
Q3	7.1	-0.4	2.6	-0.4	1.2	2.0	5.9	2.9	3.2	0.6	1.4	1.5	1.9	1.9
Q4	4.4	2.7	3.3	-3.1	0.5	2.3	5.4	1.3	3.5	0.6	1.0	1.2	1.6	1.6
2018 Q1	-2.2	1.2	2.1	2.7	-4.2	1.5	-0.7	1.4	3.2	1.6	0.3	1.4	1.0	1.0
Q2	-3.2	5.0	1.8	-3.5	2.0	1.4	-0.2	2.9	3.0	2.1	0.2	1.9	1.3	1.3
Q3	-4.1	6.9	1.0	-2.3	2.9	1.1	0.8	3.7	4.5	1.8	0.8	2.2	1.5	1.5
Q4	-2.5	8.2	-1.4	-3.1	1.3	-0.9	-	4.0	4.7	1.6	1.4	2.4	1.4	1.5
2019 Q1	-1.7	6.5	0.4	-6.0	2.1	0.1	3.5	4.8	6.2	0.6	1.6	2.3	2.0	2.0
Q2	-1.0	1.1	-2.1	1.0	2.0	-1.2	2.1	3.0	5.3	0.3	1.4	1.8	1.4	1.4
Q3	-0.5	-0.5	-2.5	-2.9	0.8	-2.1	1.6	2.0	3.9	0.9	1.8	1.7	1.4	1.4
Q4	-1.3	-1.4	-2.7	1.1	1.9	-1.8	0.5	1.2	2.0	0.9	1.9	1.4	1.1	1.2
2020 Q1	-0.2	-3.4	-5.1	-3.3	3.3	-4.1	-2.7	-4.5	-2.1	0.7	-2.3	-1.4	-1.7	-1.7

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

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

5 For the most accurate figures on construction, please refer to the Construction output in Great Britain release.

# B2 Gross value added at chained volume measures basic prices, by category of output<sup>1,2</sup>

2016 = 100

Service industries											
	Wholesale and retail trade	Transport storage and communications	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services <sup>4</sup>	Total services
<b>2016 Weights<sup>3</sup></b>	105	108	28	72	140	126	49	58	75	35	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.5	103.6	102.4	99.1	99.0	104.3	100.8	101.2	101.0	102.1	101.7
2018	105.7	107.6	104.9	98.1	99.6	109.0	101.6	101.9	101.5	103.2	103.7
2019	108.7	112.2	107.4	95.1	100.3	111.9	103.8	104.6	103.1	102.9	105.5
<b>Seasonally adjusted</b>											
2016 Q4	101.8	101.5	100.7	101.0	100.6	101.5	99.9	100.1	100.3	99.7	100.9
2017 Q1	101.7	101.8	102.2	99.9	99.3	102.9	100.4	101.5	101.0	101.0	101.1
Q2	102.2	103.4	102.6	99.6	98.9	103.0	101.1	101.2	101.5	102.4	101.5
Q3	102.8	104.0	102.5	98.9	98.8	104.9	100.7	101.2	101.1	102.6	101.8
Q4	103.1	105.1	102.2	98.1	99.1	106.5	100.9	101.0	100.6	102.3	102.2
2018 Q1	103.4	105.0	102.9	99.2	99.5	107.4	100.8	101.1	101.2	102.5	102.6
Q2	105.4	106.5	104.7	98.6	99.7	108.4	101.3	101.7	101.2	103.6	103.4
Q3	106.9	108.7	105.2	97.6	99.6	109.5	102.3	102.0	101.5	103.4	104.1
Q4	107.1	110.0	106.8	96.8	99.7	110.8	102.2	102.7	102.0	103.5	104.6
2019 Q1	108.3	111.5	107.9	95.2	99.9	110.9	103.5	103.7	102.4	102.1	105.0
Q2	108.7	112.1	107.4	94.7	100.2	111.0	103.7	104.3	102.7	101.7	105.2
Q3	109.0	112.9	107.0	95.5	100.3	112.5	103.8	104.7	103.6	103.3	105.9
Q4	108.7	112.3	107.3	94.9	100.7	113.3	104.5	105.5	103.6	104.3	106.0
2020 Q1	105.3	109.1	96.1	95.3	100.9	111.7	104.7	99.1	99.2	100.2	103.6
<b>Percentage change, latest year on previous year</b>											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2016	4.2	2.8	1.5	3.8	2.0	2.8	-1.9	-0.8	1.6	-2.3	2.0
2017	2.5	3.6	2.4	-0.9	-1.0	4.3	0.8	1.2	1.0	2.1	1.7
2018	3.2	3.8	2.5	-1.1	0.6	4.5	0.9	0.7	0.4	1.1	2.0
2019	2.8	4.3	2.4	-3.0	0.6	2.7	2.2	2.6	1.6	-0.4	1.8
<b>Percentage change, latest quarter on previous quarter</b>											
2016 Q4	2.0	0.7	0.6	-1.1	0.8	1.3	0.2	0.5	0.4	-0.6	0.7
2017 Q1	-0.1	0.2	1.5	-1.1	-1.3	1.4	0.5	1.4	0.6	1.4	0.2
Q2	0.5	1.6	0.4	-0.3	-0.4	0.1	0.7	-0.3	0.5	1.4	0.4
Q3	0.5	0.6	-0.2	-0.7	-0.1	1.8	-0.4	-	-0.4	0.1	0.3
Q4	0.3	1.0	-0.3	-0.8	0.3	1.5	0.2	-0.2	-0.4	-0.2	0.4
2018 Q1	0.3	-0.1	0.7	1.1	0.4	0.9	-0.1	0.1	0.6	0.2	0.4
Q2	1.9	1.4	1.7	-0.6	0.2	0.9	0.4	0.6	-0.1	1.1	0.8
Q3	1.4	2.0	0.5	-1.0	-0.1	1.1	1.0	0.3	0.3	-0.2	0.7
Q4	0.2	1.2	1.5	-0.8	0.1	1.2	-	0.8	0.5	0.1	0.5
2019 Q1	1.1	1.3	1.0	-1.7	0.2	0.1	1.2	1.0	0.3	-1.3	0.4
Q2	0.4	0.6	-0.5	-0.5	0.3	0.1	0.2	0.5	0.4	-0.5	0.2
Q3	0.3	0.7	-0.3	0.9	0.1	1.4	0.1	0.4	0.8	1.7	0.6
Q4	-0.3	-0.5	0.3	-0.6	0.3	0.7	0.6	0.7	-	0.9	0.1
2020 Q1	-3.1	-2.8	-10.4	0.4	0.3	-1.4	0.2	-6.0	-4.2	-3.9	-2.3
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2016 Q4	5.0	3.5	-0.1	3.4	1.5	3.1	-1.7	-1.5	0.7	-4.6	1.8
2017 Q1	2.9	3.1	2.6	1.5	-0.4	4.1	-0.2	0.9	1.2	1.1	1.8
Q2	2.7	4.6	2.9	1.3	-0.8	3.6	1.2	1.4	1.6	2.3	2.1
Q3	3.0	3.2	2.4	-3.2	-1.1	4.7	1.0	1.6	1.1	2.3	1.5
Q4	1.2	3.5	1.5	-2.9	-1.5	4.9	1.1	0.9	0.3	2.7	1.2
2018 Q1	1.7	3.2	0.7	-0.7	0.2	4.4	0.4	-0.4	0.3	1.5	1.4
Q2	3.2	3.0	2.0	-1.0	0.8	5.2	0.2	0.4	-0.3	1.2	1.9
Q3	4.0	4.5	2.7	-1.3	0.8	4.4	1.6	0.8	0.4	0.8	2.2
Q4	3.9	4.7	4.5	-1.3	0.6	4.1	1.3	1.7	1.4	1.1	2.4
2019 Q1	4.8	6.2	4.8	-4.0	0.4	3.2	2.6	2.6	1.1	-0.4	2.3
Q2	3.1	5.3	2.6	-4.0	0.5	2.4	2.4	2.6	1.6	-1.9	1.8
Q3	2.0	3.9	1.7	-2.1	0.7	2.7	1.5	2.7	2.0	-	1.7
Q4	1.4	2.0	0.5	-2.0	0.9	2.3	2.2	2.7	1.5	0.8	1.4
2020 Q1	-2.8	-2.1	-10.9	0.2	1.0	0.8	1.2	-4.4	-3.1	-1.8	-1.4

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

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

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

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

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

£ million

National expenditure on goods and services at market prices																
Final consumption expenditure										Gross capital formation						
	Household			Government			Business			Total	Exports	Gross fixed capital formation		Total	Imports	Trade balance <sup>6</sup>
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL			ABMF	IKBI			
2016	1 252 934	46 117	381 522	343 694	195 973	3 580	–	–47 202	800 567 499	2 595 299	599 822	–32 323	1	1 995 478		
2017	1 300 305	46 560	386 667	357 080	204 945	4 727	–	1 245 209	654 629 085	2 725 669	654 212	–25 127	210	2 071 667		
2018	1 356 650	47 353	396 230	362 639	204 701	3 132	–	2 982 216	986 656 478	2 825 464	686 265	–29 787	5 105	2 144 304		
2019	1 388 832	47 691	417 540	377 927	211 938	6 107	–	–179 223	918 700 460	2 938 378	724 447	–23 987	2 521	2 216 452		
Seasonally adjusted																
2016 Q4	317 723	11 453	96 021	87 102	49 436	2 651	–1 984	–1 884	513 066	152 847	665 913	158 538	–5 691	–	507 375	
2017 Q1	322 444	11 501	96 497	87 774	50 752	3 148	1 863	–373	520 991	153 417	674 408	160 845	–7 428	–105	513 458	
Q2	323 934	11 623	95 869	89 125	51 268	581	–1 967	321	521 453	157 655	679 108	163 473	–5 818	–101	515 534	
Q3	325 010	11 679	96 670	89 686	51 562	266	–349	420	523 731	159 024	682 755	164 956	–5 932	–11	517 788	
Q4	328 917	11 757	97 631	90 495	51 363	732	453	877	530 409	158 989	689 398	164 938	–5 949	427	524 887	
2018 Q1	334 485	11 785	98 024	89 701	51 512	–783	–739	556	533 768	159 293	693 061	165 153	–5 860	681	528 589	
Q2	337 844	11 839	98 355	90 624	51 352	–1	1 620	1 287	539 948	162 417	702 365	169 332	–6 915	811	533 844	
Q3	341 414	11 861	99 472	91 009	50 979	–77	–2 085	1 041	544 720	166 610	711 330	172 861	–6 251	1 409	539 878	
Q4	342 907	11 868	100 379	91 305	50 858	3 993	1 204	98	550 550	168 158	718 708	178 919	–10 761	2 204	541 993	
2019 Q1	344 631	11 894	101 944	93 508	51 788	7 720	309	10 837	570 534	169 308	739 842	191 242	–21 934	614	549 214	
Q2	346 555	11 925	103 692	93 751	52 806	2 632	1 848	1 015	559 570	167 335	726 905	175 296	–7 961	251	551 860	
Q3	349 177	11 938	104 729	95 645	53 714	–3 128	800	647	559 008	177 936	736 944	180 379	–2 443	878	557 443	
Q4	348 469	11 934	107 175	95 023	53 630	–1 117	–2 957	–12 678	548 806	185 881	734 687	177 530	8 351	778	557 935	
2020 Q1	338 944	11 935	107 779	93 519	52 893	–2 213	1 963	1 131	551 095	159 547	710 642	160 748	–1 201	1 079	550 973	
Percentage change, latest year on previous year																
	KG7Y	KGZ8	KH2C	KG6O	KG6N				KGX3	KH2O	KG7V	KH3H				IHYM
2016	5.4	–1.1	2.1	5.9	6.8				4.3	7.1	4.9	7.8				4.1
2017	3.8	1.0	1.3	3.9	4.6				3.4	10.9	5.0	9.1				3.8
2018	4.3	1.7	2.5	1.6	–0.1				3.5	4.4	3.7	4.9				3.5
2019	2.4	0.7	5.4	4.2	3.5				3.2	6.7	4.0	5.6				3.4
Percentage change, latest quarter on previous quarter																
	KG7Y	KGZ9	KH2D	KG6W	KG6V				KGX4	KH2P	KG7V	KH3I				IHYN
2016 Q4	0.3	–0.1	0.4	–0.2	–1.0				–0.3	8.2	1.5	2.3				1.3
2017 Q1	1.5	0.4	0.5	0.8	2.7				1.5	0.4	1.3	1.5				1.2
Q2	0.5	1.1	–0.7	1.5	1.0				0.1	2.8	0.7	1.6				0.4
Q3	0.3	0.5	0.8	0.6	0.6				0.4	0.9	0.5	0.9				0.4
Q4	1.2	0.7	1.0	0.9	–0.4				1.3	–	1.0	–				1.4
2018 Q1	1.7	0.2	0.4	–0.9	0.3				0.6	0.2	0.5	0.1				0.7
Q2	1.0	0.5	0.3	1.0	–0.3				1.2	2.0	1.3	2.5				1.0
Q3	1.1	0.2	1.1	0.4	–0.7				0.9	2.6	1.3	2.1				1.1
Q4	0.4	0.1	0.9	0.3	–0.2				1.1	0.9	1.0	3.5				0.4
2019 Q1	0.5	0.2	1.6	2.4	1.8				3.6	0.7	2.9	6.9				1.3
Q2	0.6	0.3	1.7	0.3	2.0				–1.9	–1.2	–1.7	–8.3				0.5
Q3	0.8	0.1	1.0	2.0	1.7				–0.1	6.3	1.4	2.9				1.0
Q4	–0.2	–	2.3	–0.7	–0.2				–1.8	4.5	–0.3	–1.6				0.1
2020 Q1	–2.7	–	0.6	–1.6	–1.4				0.4	–14.2	–3.3	–9.5				–1.2
Percentage change, latest quarter on corresponding quarter of previous year																
	KG7Y	KH22	KH2E	KG7E	KG7S				KGX5	KH2Q	KG7V	KH3J				IHYO
2016 Q4	5.2	–2.2	2.7	5.7	5.1				4.8	14.1	6.8	13.7				4.8
2017 Q1	5.2	–1.3	2.0	4.6	6.1				4.8	14.6	6.9	14.0				4.8
Q2	3.8	0.6	0.7	4.3	5.1				3.6	13.0	5.7	12.6				3.6
Q3	2.6	1.9	1.1	2.8	3.3				1.8	12.6	4.1	6.4				3.4
Q4	3.5	2.7	1.7	3.9	3.9				3.4	4.0	3.5	4.0				3.5
2018 Q1	3.7	2.5	1.6	2.2	1.5				2.5	3.8	2.8	2.7				2.9
Q2	4.3	1.9	2.6	1.7	0.2				3.5	3.0	3.4	3.6				3.6
Q3	5.0	1.6	2.9	1.5	–1.1				4.0	4.8	4.2	4.8				4.3
Q4	4.3	0.9	2.8	0.9	–1.0				3.8	5.8	4.3	8.5				3.3
2019 Q1	3.0	0.9	4.0	4.2	0.5				6.9	6.3	6.7	15.8				3.9
Q2	2.6	0.7	5.4	3.5	2.8				3.6	3.0	3.5	3.5				3.4
Q3	2.3	0.6	5.3	5.1	5.4				2.6	6.8	3.6	4.3				3.3
Q4	1.6	0.6	6.8	4.1	5.5				–0.3	10.5	2.2	–0.8				2.9
2020 Q1	–1.7	0.3	5.7	–	2.1				–3.4	–5.8	–3.9	–15.9				0.3

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 2016, £ 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>	Changes 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>	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2016	1 252 934	46 117	381 522	343 690	195 973	3 580	1	-48 202	800 567	499 259	599 822	-32 323	1	1 995 478		
2017	1 281 722	46 042	382 508	349 306	201 708	-8 974	-	1 149 205	749 602	123 265	872 620	838	-18 715	200	2 033 234	
2018	1 302 614	46 133	384 153	348 521	198 681	-5 494	-	3 390 207	931 609	510 268	824 633	225	-23 715	4 895	2 060 494	
2019	1 316 241	45 633	397 270	350 789	200 313	-1 731	-	2 486 210	687 640	092 275	779 662	522	-22 430	2 375	2 090 632	
Seasonally adjusted																
2016 Q4	317 381	11 387	95 477	86 301	48 801	-113	-1 972	-1 326	509 638	147 009	656 565	153 493	-6 484	-	503 083	
2017 Q1	318 897	11 466	95 419	86 336	49 910	-577	1 833	-636	510 905	147 656	658 561	152 474	-4 818	-104	505 983	
Q2	319 788	11 519	95 460	87 551	50 490	-2 232	-1 937	42	512 127	151 190	663 317	155 962	-4 772	-100	507 255	
Q3	321 032	11 489	95 724	87 218	50 603	-2 784	-342	519	513 197	152 771	665 968	156 975	-4 204	-11	508 982	
Q4	322 005	11 568	95 905	88 201	50 705	-3 381	446	1 224	515 520	150 506	666 026	155 427	-4 921	415	511 014	
2018 Q1	323 391	11 600	95 497	87 169	50 275	-2 706	-713	538	515 488	151 022	666 510	155 850	-4 828	658	511 318	
Q2	325 297	11 501	95 430	86 964	49 859	-957	1 560	1 099	519 334	150 647	669 981	156 751	-6 104	781	514 011	
Q3	326 716	11 513	95 991	87 245	49 411	-2 985	-1 997	1 081	519 560	154 133	673 693	158 013	-3 880	1 349	517 029	
Q4	327 210	11 519	97 235	87 143	49 136	1 154	1 150	672	524 932	153 708	678 640	162 611	-8 903	2 107	518 136	
2019 Q1	327 907	11 504	97 742	88 173	49 695	6 881	293	10 277	542 486	156 619	699 105	178 142	-21 523	583	521 546	
Q2	329 203	11 371	99 533	87 620	49 987	-804	1 742	802	527 725	152 592	680 317	159 303	-6 711	237	521 251	
Q3	329 667	11 429	99 720	88 128	50 388	-5 223	747	167	523 887	161 851	685 738	162 644	-7 993	825	523 918	
Q4	329 464	11 329	100 275	86 868	50 243	-2 585	-2 782	-8 760	516 589	169 030	685 619	162 433	6 597	730	523 917	
2020 Q1	319 803	11 014	96 136	85 928	50 099	-346	1 819	-225	512 310	146 275	658 585	147 130	-855	1 003	512 458	
Percentage change, latest year on previous year																
	KGZ5	KH26	KH2I	KG7N	KG7M				KGX9	KH2U	KGW5	KH3N			IHYP	
2016	3.8	-1.5	1.0	3.6	4.3				2.4	2.7	2.5	4.4			1.9	
2017	2.3	-0.2	0.3	1.6	2.9				1.2	6.1	2.3	3.5			1.9	
2018	1.6	0.2	0.4	-0.2	-1.5				1.3	1.2	1.3	2.0			1.3	
2019	1.0	-1.1	3.4	0.7	0.8				1.5	5.0	2.3	4.6			1.5	
Percentage change, latest quarter on previous quarter																
	KGZ6	KH27	KH2J	KG7Q	KG7P				KGY2	KH2V	KGW6	KH3O			IHYQ	
2016 Q4	0.5	-0.4	0.1	-0.6	-1.9				-0.7	6.1	0.7	0.9			0.6	
2017 Q1	0.5	0.7	-0.1	-	2.3				0.2	0.4	0.3	-0.7			0.6	
Q2	0.3	0.5	-	1.4	1.2				0.2	2.4	0.7	2.3			0.3	
Q3	0.4	-0.3	0.3	-0.4	0.2				0.2	1.0	0.4	0.6			0.3	
Q4	0.3	0.7	0.2	1.1	0.2				0.5	-1.5	-	-1.0			0.4	
2018 Q1	0.4	0.3	-0.4	-1.2	-0.8				-	0.3	0.1	0.3			0.1	
Q2	0.6	-0.9	-0.1	-0.2	-0.8				0.7	-0.2	0.5	0.6			0.5	
Q3	0.4	0.1	0.6	0.3	-0.9				-	2.3	0.6	0.8			0.6	
Q4	0.2	0.1	1.3	-0.1	-0.6				1.0	-0.3	0.7	2.9			0.2	
2019 Q1	0.2	-0.1	0.5	1.2	1.1				3.3	1.9	3.0	9.6			0.7	
Q2	0.4	-1.2	1.8	-0.6	0.6				-2.7	-2.6	-2.7	-10.6			-0.1	
Q3	0.1	0.5	0.2	0.6	0.8				-0.7	6.1	0.8	2.1			0.5	
Q4	-0.1	-0.9	0.6	-1.4	-0.3				-1.4	4.4	-	-0.1			-	
2020 Q1	-2.9	-2.8	-4.1	-1.1	-0.3				-0.8	-13.5	-3.9	-9.4			-2.2	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KH28	KH2K	KG7T	KG7S				KGY3	KH2W	KGW7	KH3P			IHYR	
2016 Q4	4.7	-3.4	0.5	3.4	2.1				1.8	5.3	2.6	5.2			1.8	
2017 Q1	3.7	-2.5	0.1	1.7	3.0				1.8	5.6	2.7	4.0			2.2	
Q2	2.5	-0.2	0.2	2.2	3.1				1.8	6.4	2.8	5.6			1.9	
Q3	1.6	0.5	0.4	0.5	1.7				-	10.3	2.2	3.2			1.8	
Q4	1.5	1.6	0.4	2.2	3.9				1.2	2.4	1.4	1.3			1.6	
2018 Q1	1.4	1.2	0.1	1.0	0.7				0.9	2.3	1.2	2.2			1.1	
Q2	1.7	-0.2	-	-0.7	-1.2				1.4	-0.4	1.0	0.5			1.3	
Q3	1.8	0.2	0.3	-	-2.4				1.2	0.9	1.2	0.7			1.6	
Q4	1.6	-0.4	1.4	-1.2	-3.1				1.8	2.1	1.9	4.6			1.4	
2019 Q1	1.4	-0.8	2.4	1.2	-1.2				5.2	3.7	4.9	14.3			2.0	
Q2	1.2	-1.1	4.3	0.8	0.3				1.6	1.3	1.5	1.6			1.4	
Q3	0.9	-0.7	3.9	1.0	2.0				0.8	5.0	1.8	2.9			1.3	
Q4	0.7	-1.6	3.1	-0.3	2.3				-1.6	10.0	1.0	-0.1			1.1	
2020 Q1	-2.5	-4.3	-1.6	-2.5	0.8				-5.6	-6.6	-5.8	-17.4			-1.7	

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

£ million

	Compensation of employees		Gross operating surplus of corporations							Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	Wages and Salaries	Employers social contributions	Total	Private non-financial corporations <sup>2</sup>	Of which alignment adjustment	Financial corporations	Public corporations	Total <sup>3</sup>	Other income <sup>4</sup>				
	DTWL	DTWP	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2016	802 669	165 055	967 724	353 011	–	56 652	17 986	427 649	356 317	1 751 690	243 788	–	1 995 478
2017	833 103	176 047	1 009 150	366 438	–	61 216	16 899	444 553	364 779	1 818 482	252 976	209	2 071 667
2018	873 469	180 235	1 053 704	379 791	–	57 903	11 075	448 769	380 611	1 883 084	259 705	1 515	2 144 304
2019	903 818	196 889	1 100 707	391 683	–	53 294	11 180	456 157	393 547	1 950 411	263 666	2 375	2 216 452
<b>Seasonally adjusted</b>													
2016 Q4	202 879	42 728	245 607	92 591	1 827	12 543	4 495	109 629	90 341	445 577	61 798	–	507 375
2017 Q1	203 787	43 667	247 454	94 290	126	15 040	4 424	113 754	90 479	451 687	61 738	33	513 458
Q2	207 471	44 043	251 514	89 203	–241	16 443	4 476	110 122	90 747	452 383	63 087	64	515 534
Q3	209 600	44 657	254 257	89 380	44	14 235	4 339	107 954	91 300	453 511	64 175	102	517 788
Q4	212 245	43 680	255 925	93 565	71	15 498	3 660	112 723	92 253	460 901	63 976	10	524 887
2018 Q1	215 613	43 267	258 880	95 395	1 960	15 342	2 813	113 550	93 255	465 685	62 499	405	528 589
Q2	216 493	44 473	260 966	93 195	–403	15 445	2 856	111 496	94 679	467 141	66 093	610	533 844
Q3	219 413	45 569	264 982	96 688	431	14 091	2 719	113 498	95 570	474 050	65 406	422	539 878
Q4	221 950	46 926	268 876	94 513	–1 988	13 025	2 687	110 225	97 107	476 208	65 707	78	541 993
2019 Q1	222 911	47 219	270 130	97 085	–1 406	13 967	2 687	113 739	98 828	482 697	65 591	926	549 214
Q2	225 418	48 899	274 317	96 820	76	12 369	2 781	111 970	98 206	484 493	66 397	970	551 860
Q3	226 929	50 038	276 967	100 663	1 869	12 994	2 836	116 493	97 633	491 093	66 125	225	557 443
Q4	228 560	50 733	279 293	97 115	–539	13 964	2 876	113 955	98 880	492 128	65 553	254	557 935
2020 Q1	230 782	51 648	282 430	92 160	–1 997	15 049	2 871	110 080	98 501	491 011	59 907	55	550 973
<b>Percentage change, latest year on previous year</b>													
	CWNH	CWNE	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2016	3.7	6.3	4.1	2.5		13.0	2.6	3.8	4.5	4.1	4.0		4.1
2017	3.8	6.7	4.3	3.8		8.1	–6.0	4.0	2.4	3.8	3.8		3.8
2018	4.8	2.4	4.4	3.6		–5.4	–34.5	0.9	4.3	3.6	2.7		3.5
2019	3.5	9.2	4.5	3.1		–8.0	0.9	1.6	3.4	3.6	1.5		3.4
<b>Percentage change, latest quarter on previous quarter</b>													
	CWNI	CWNF	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2016 Q4	0.3	1.8	0.6	7.2		–18.3	–0.1	3.2	1.1	1.3	1.5		1.3
2017 Q1	0.4	2.2	0.8	1.8		19.9	–1.6	3.8	0.2	1.4	–0.1		1.2
Q2	1.8	0.9	1.6	–5.4		9.3	1.2	–3.2	0.3	0.2	2.2		0.4
Q3	1.0	1.4	1.1	0.2		–13.4	–3.1	–2.0	0.6	0.2	1.7		0.4
Q4	1.3	–2.2	0.7	4.7		8.9	–15.6	4.4	1.0	1.6	–0.3		1.4
2018 Q1	1.6	–0.9	1.2	2.0		–1.0	–23.1	0.7	1.1	1.0	–2.3		0.7
Q2	0.4	2.8	0.8	–2.3		0.7	1.5	–1.8	1.5	0.3	5.8		1.0
Q3	1.3	2.5	1.5	3.7		–8.8	–4.8	1.8	0.9	1.5	–1.0		1.1
Q4	1.2	3.0	1.5	–2.2		–7.6	–1.2	–2.9	1.6	0.5	0.5		0.4
2019 Q1	0.4	0.6	0.5	2.7		7.2	–	3.2	1.8	1.4	–0.2		1.3
Q2	1.1	3.6	1.5	–0.3		–11.4	3.5	–1.6	–0.6	0.4	1.2		0.5
Q3	0.7	2.3	1.0	4.0		5.1	2.0	4.0	–0.6	1.4	–0.4		1.0
Q4	0.7	1.4	0.8	–3.5		7.5	1.4	–2.2	1.3	0.2	–0.9		0.1
2020 Q1	1.0	1.8	1.1	–5.1		7.8	–0.2	–3.4	–0.4	–0.2	–8.6		–1.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>													
	CWNJ	CWNG	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2016 Q4	4.3	8.4	5.0	6.6		–4.7	2.2	5.0	4.6	4.9	4.1		4.8
2017 Q1	3.3	11.5	4.6	8.2		5.6	–1.7	7.4	3.8	5.1	2.6		4.8
Q2	3.6	7.0	4.2	2.7		13.3	–0.3	4.0	1.5	3.6	3.6		3.6
Q3	3.6	6.4	4.1	3.5		–7.3	–3.6	1.6	2.2	3.1	5.4		3.4
Q4	4.6	2.2	4.2	1.1		23.6	–18.6	2.8	2.1	3.4	3.5		3.5
2018 Q1	5.8	–0.9	4.6	1.2		2.0	–36.4	–0.2	3.1	3.1	1.2		2.9
Q2	4.3	1.0	3.8	4.5		–6.1	–36.2	1.2	4.3	3.3	4.8		3.6
Q3	4.7	2.0	4.2	8.2		–1.0	–37.3	5.1	4.7	4.5	1.9		4.3
Q4	4.6	7.4	5.1	1.0		–16.0	–26.6	–2.2	5.3	3.3	2.7		3.3
2019 Q1	3.4	9.1	4.3	1.8		–9.0	–4.5	0.2	6.0	3.7	4.9		3.9
Q2	4.1	10.0	5.1	3.9		–19.9	–2.6	0.4	3.7	3.7	0.5		3.4
Q3	3.4	9.8	4.5	4.1		–7.8	4.3	2.6	2.2	3.6	1.1		3.3
Q4	3.0	8.1	3.9	2.8		7.2	7.0	3.4	1.8	3.3	–0.2		2.9
2020 Q1	3.5	9.4	4.6	–5.1		7.7	6.8	–3.2	–0.3	1.7	–8.7		0.3

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

2 Quarterly alignment adjustment included in this series.

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

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



# E1 Household final consumption expenditure by purpose

## Current prices

£ million

UK NATIONAL <sup>2</sup>															
UK DOMESTIC <sup>3</sup>															
COICOP <sup>1</sup>	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2016	1 252 934	13 923	1 239 011	95 238	40 997	64 769	335 515	54 318	21 974	166 828	21 445	133 419	27 918	119 941	156 649
2017	1 300 305	13 958	1 286 347	100 538	41 760	66 910	337 077	59 458	24 223	172 782	21 898	143 423	30 427	123 102	164 749
2018	1 356 650	15 862	1 340 788	104 378	44 434	67 499	347 462	65 576	26 528	183 896	21 538	149 854	31 190	124 693	173 740
2019	1 388 832	17 332	1 371 500	106 528	44 859	71 665	354 911	68 282	28 085	186 207	21 292	154 591	31 901	127 999	175 180
Seasonally adjusted															
2016 Q4	317 723	2 895	314 828	24 231	10 230	16 522	85 006	14 020	5 535	42 584	5 397	33 694	7 006	30 662	39 941
2017 Q1	322 444	3 704	318 740	24 658	10 183	16 751	84 048	14 268	5 799	43 704	5 393	35 014	7 563	30 492	40 867
Q2	323 934	3 096	320 838	25 026	10 475	16 758	83 921	14 918	6 070	42 359	5 491	35 913	7 591	30 708	41 608
Q3	325 010	3 302	321 708	25 245	10 464	16 714	84 209	15 167	6 125	42 680	5 524	36 076	7 622	31 053	40 829
Q4	328 917	3 856	325 061	25 609	10 638	16 687	84 899	15 105	6 229	44 039	5 490	36 420	7 651	30 849	41 445
2018 Q1	334 485	3 336	331 149	25 876	10 773	16 592	86 772	15 901	6 455	45 645	5 414	36 878	7 725	30 800	42 318
Q2	337 844	3 960	333 884	25 989	11 197	16 775	86 189	16 261	6 534	46 066	5 349	37 333	7 781	31 151	43 259
Q3	341 414	4 629	336 785	26 201	11 187	17 017	87 096	16 620	6 733	45 896	5 332	37 664	7 817	31 069	44 153
Q4	342 907	3 937	338 970	26 312	11 277	17 115	87 405	16 794	6 806	46 289	5 443	37 979	7 867	31 673	44 010
2019 Q1	344 631	4 185	340 446	26 314	11 292	17 609	87 552	16 976	6 997	46 409	5 363	38 395	7 919	31 542	44 078
Q2	346 555	4 385	342 170	26 581	11 148	17 845	89 069	17 143	7 009	46 656	5 332	38 334	7 957	31 855	43 241
Q3	349 177	4 781	344 396	26 755	11 201	18 110	88 915	17 061	7 045	46 853	5 291	38 827	7 994	32 395	43 949
Q4	348 469	3 981	344 488	26 878	11 218	18 101	89 375	17 102	7 034	46 289	5 306	39 035	8 031	32 207	43 912
2020 Q1	338 944	4 321	334 623	28 293	11 324	16 475	89 740	16 832	6 721	42 009	5 356	38 546	8 031	28 412	42 884
Percentage change, latest year on previous year															
	KGJ7		KG6U	KG9N	KGJ3	KGJ9	KGJ7	KGJ5	KGJ6	KGJ4	KGK2	KGK8	KGB2	KGJ6	KGE2
2016	5.4		4.9	4.2	0.3	3.7	5.3	5.7	5.5	4.8	4.9	6.6	7.8	4.2	4.8
2017	3.8		3.8	5.6	1.9	3.3	0.5	9.5	10.2	3.6	2.1	7.5	9.0	2.6	5.2
2018	4.3		4.2	3.8	6.4	0.9	3.1	10.3	9.5	6.4	-1.6	4.5	2.5	1.3	5.5
2019	2.4		2.3	2.1	1.0	6.2	2.1	4.1	5.9	1.3	-1.1	3.2	2.3	2.7	0.8
Percentage change, latest quarter on previous quarter															
	KGJ8		KG74	KG9R	KGJ4	KGJ2	KGJ8	KGJ6	KGJ7	KGJ5	KGK3	KGK9	KGB3	KGJ7	KGE3
2016 Q4	0.3		1.0	0.9	-0.3	2.4	1.4	2.5	1.1	1.3	-0.1	0.5	0.3	2.2	-1.0
2017 Q1	1.5		1.2	1.8	-0.5	1.4	-1.1	1.8	4.8	2.6	-0.1	3.9	8.0	-0.6	2.3
Q2	0.5		0.7	1.5	2.9	-	-0.2	4.6	4.7	-3.1	1.8	2.6	0.4	0.7	1.8
Q3	0.3		0.3	0.9	-0.1	-0.3	0.3	1.7	0.9	0.8	0.6	0.5	0.4	1.1	-1.9
Q4	1.2		1.0	1.4	1.7	-0.2	0.8	-0.4	1.7	3.2	-0.6	1.0	0.4	-0.7	1.5
2018 Q1	1.7		1.9	1.0	1.3	-0.6	2.2	5.3	3.6	3.6	-1.4	1.3	1.0	-0.2	2.1
Q2	1.0		0.8	0.4	3.9	1.1	-0.7	2.3	1.2	0.9	-1.2	1.2	0.7	1.1	2.2
Q3	1.1		0.9	0.8	-0.1	1.4	1.1	2.2	3.0	-0.4	-0.3	0.9	0.5	-0.3	2.1
Q4	0.4		0.6	0.4	0.8	0.6	0.4	1.0	1.1	0.9	2.1	0.8	0.6	1.9	-0.3
2019 Q1	0.5		0.4	-	0.1	2.9	0.2	1.1	2.8	0.3	-1.5	1.1	0.7	-0.4	0.2
Q2	0.6		0.5	1.0	-1.3	1.3	1.7	1.0	0.2	0.5	-0.6	-0.2	0.5	1.0	-1.9
Q3	0.8		0.7	0.7	0.5	1.5	-0.2	-0.5	0.5	0.4	-0.8	1.3	0.5	1.7	1.6
Q4	-0.2		-	0.5	0.2	-	0.5	0.2	-0.2	-1.2	0.3	0.5	0.5	-0.6	-0.1
2020 Q1	-2.7		-2.9	5.3	0.9	-9.0	0.4	-1.6	-4.4	-9.2	0.9	-1.3	-	-11.8	-2.3
Percentage change, latest quarter on corresponding quarter of previous year															
	KGJ9		KG7C	KG9V	KGJ5	KGJ3	KGJ9	KGJ7	KGJ8	KGJ6	KGK4	KGL2	KGB4	KGJ8	KGE4
2016 Q4	5.2		5.0	4.9	-	4.0	6.3	4.4	1.1	4.8	4.7	4.7	2.2	4.7	5.8
2017 Q1	5.2		4.9	5.6	-	4.0	1.6	8.6	5.6	7.2	1.7	6.5	8.7	3.7	8.6
Q2	3.8		4.0	5.9	1.4	4.6	-	10.7	11.0	2.2	2.8	7.7	8.9	2.8	7.5
Q3	2.6		3.2	5.1	2.0	3.6	0.4	10.9	11.9	1.5	2.3	7.6	9.1	3.5	1.2
Q4	3.5		3.3	5.7	4.0	1.0	-0.1	7.7	12.5	3.4	1.7	8.1	9.2	0.6	3.8
2018 Q1	3.7		3.9	4.9	5.8	-0.9	3.2	11.4	11.3	4.4	0.4	5.3	2.1	1.0	3.6
Q2	4.3		4.1	3.8	6.9	0.1	2.7	9.0	7.6	8.8	-2.6	4.0	2.5	1.4	4.0
Q3	5.0		4.7	3.8	6.9	1.8	3.4	9.6	9.9	7.5	-3.5	4.4	2.6	0.1	8.1
Q4	4.3		4.3	2.7	6.0	2.6	3.0	11.2	9.3	5.1	-0.9	4.3	2.8	2.7	6.2
2019 Q1	3.0		2.8	1.7	4.8	6.1	0.9	6.8	8.4	1.7	-0.9	4.1	2.5	2.4	4.2
Q2	2.6		2.5	2.3	-0.4	6.4	3.3	5.4	7.3	1.3	-0.3	2.7	2.3	2.3	-
Q3	2.3		2.3	2.1	0.1	6.4	2.1	2.7	4.6	2.1	-0.8	3.1	2.3	4.3	-0.5
Q4	1.6		1.6	2.2	-0.5	5.8	2.3	1.8	3.3	-	-2.5	2.8	2.1	1.7	-0.2
2020 Q1	-1.7		-1.7	7.5	0.3	-6.4	2.5	-0.8	-3.9	-9.5	-0.1	0.4	1.4	-9.9	-2.7

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

£ million

UK NATIONAL <sup>2</sup>								
UK DOMESTIC <sup>3</sup>								
COICOP <sup>1</sup>	Total	Net tourism	Goods					Services
			Total	Durable goods	Semi- durable goods	Non- durable goods		
					</			

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

# E3 Household final consumption expenditure by purpose

## Chained volume measures

Reference year 2016, £ million

UK NATIONAL <sup>2</sup>																
UK DOMESTIC <sup>3</sup>																
COICOP <sup>1</sup>	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous	
	0	01	02	03	04	05	06	07	08	09	10	11	12			
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG	
2016	1 252 934	13 923	1 239 011	95 238	40 997	64 769	335 515	54 318	21 974	166 828	21 445	133 419	27 918	119 941	156 649	
2017	1 281 722	13 958	1 267 764	98 489	40 441	65 309	333 401	58 374	23 493	168 961	21 494	140 978	29 467	120 547	166 810	
2018	1 302 614	14 620	1 287 994	100 216	40 982	65 460	338 057	63 320	25 331	169 976	20 926	143 913	29 411	118 519	171 883	
2019	1 316 241	15 635	1 300 606	100 873	40 025	70 044	340 945	65 278	26 150	167 823	19 916	146 773	29 191	118 638	174 950	
Seasonally adjusted																
2016 Q4	317 381	3 531	313 878	24 599	10 339	16 671	85 103	14 032	5 528	41 722	5 403	33 877	6 979	30 110	39 494	
2017 Q1	318 897	3 511	315 386	24 554	10 080	16 657	83 366	14 193	5 700	42 595	5 303	34 826	7 380	29 682	41 050	
Q2	319 788	3 185	316 603	24 562	10 191	16 392	83 211	14 686	5 913	41 577	5 426	35 370	7 368	30 304	41 603	
Q3	321 032	3 443	317 589	24 690	10 059	16 173	83 162	14 774	5 902	42 485	5 403	35 345	7 375	30 562	41 659	
Q4	322 005	3 819	318 186	24 683	10 111	16 087	83 662	14 721	5 978	42 304	5 362	35 437	7 344	29 999	42 498	
2018 Q1	323 391	3 023	320 368	24 879	10 092	15 978	84 727	15 389	6 220	42 707	5 319	35 700	7 351	29 739	42 267	
Q2	325 297	3 731	321 566	25 011	10 388	16 244	84 178	15 674	6 262	42 856	5 238	35 970	7 360	29 660	42 725	
Q3	326 716	4 219	322 497	25 110	10 280	16 556	84 568	16 061	6 404	42 110	5 164	36 050	7 360	29 410	43 424	
Q4	327 210	3 647	323 563	25 216	10 222	16 682	84 584	16 196	6 445	42 303	5 205	36 193	7 340	29 710	43 467	
2019 Q1	327 907	3 853	324 054	25 138	10 076	17 231	84 585	16 299	6 601	42 016	5 092	36 482	7 316	29 498	43 720	
Q2	329 203	4 052	325 151	25 197	10 001	17 471	85 300	16 333	6 529	42 367	4 995	36 488	7 299	29 616	43 555	
Q3	329 667	3 867	325 800	25 223	9 986	17 680	85 249	16 295	6 525	41 893	4 934	36 829	7 285	29 971	43 930	
Q4	329 464	3 863	325 601	25 315	9 962	17 662	85 811	16 351	6 495	41 547	4 895	36 974	7 291	29 553	43 745	
2020 Q1	319 803	3 888	315 915	26 644	9 980	16 142	85 508	16 201	6 169	37 200	4 866	36 504	7 238	26 574	42 889	
Percentage change, latest year on previous year																
	KGZ5	KG7O	KG9Y	KGf6	KGG4	KGH2		KGH8	KGi9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8	
2016	3.8	3.8	7.1	-3.3	3.5	3.6		5.2	3.2	4.4	1.9	6.1	2.9	1.9	2.9	
2017	2.3	2.3	3.4	-1.4	0.8	-0.6		7.5	6.9	1.3	0.2	5.7	5.5	0.5	6.5	
2018	1.6	1.6	1.8	1.3	0.2	1.4		8.5	7.8	0.6	-2.6	2.1	-0.2	-1.7	3.0	
2019	1.0	1.0	0.7	-2.3	7.0	0.9		3.1	3.2	-1.3	-4.8	2.0	-0.7	0.1	1.8	
Percentage change, latest quarter on previous quarter																
	KGZ6	KG7R	KGA3	KGf7	KGG5	KGH3		KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9	
2016 Q4	0.5	0.6	2.2	1.2	3.0	1.4		1.9	0.7	-2.1	0.7	1.3	-0.2	-1.1	-0.1	
2017 Q1	0.5	0.5	-0.2	-2.5	-0.1	-2.0		1.1	3.1	2.1	-1.9	2.8	5.7	-1.4	3.9	
Q2	0.3	0.4	-	1.1	-1.6	-0.2		3.5	3.7	-2.4	2.3	1.6	-0.2	2.1	1.3	
Q3	0.4	0.3	0.5	-1.3	-1.3	-0.1		0.6	-0.2	2.2	-0.4	-0.1	0.1	0.9	0.1	
Q4	0.3	0.2	-	0.5	-0.5	0.6		-0.4	1.3	-0.4	-0.8	0.3	-0.4	-1.8	2.0	
2018 Q1	0.4	0.7	0.8	-0.2	-0.7	1.3		4.5	4.0	1.0	-0.8	0.7	0.1	-0.9	-0.5	
Q2	0.6	0.4	0.5	2.9	1.7	-0.6		1.9	0.7	0.3	-1.5	0.8	0.1	-0.3	1.1	
Q3	0.4	0.3	0.4	-1.0	1.9	0.5		2.5	2.3	-1.7	-1.4	0.2	-	-0.8	1.6	
Q4	0.2	0.3	0.4	-0.6	0.8	-		0.8	0.6	0.5	0.8	0.4	-0.3	1.0	0.1	
2019 Q1	0.2	0.2	-0.3	-1.4	3.3	-		0.6	2.4	-0.7	-2.2	0.8	-0.3	-0.7	0.6	
Q2	0.4	0.3	0.2	-0.7	1.4	0.8		0.2	-1.1	0.8	-1.9	-	-0.2	0.4	-0.4	
Q3	0.1	0.2	0.1	-0.1	1.2	-0.1		-0.2	-0.1	-1.1	-1.2	0.9	-0.2	1.2	0.9	
Q4	-0.1	-0.1	0.4	-0.2	-0.1	0.7		0.3	-0.5	-0.8	-0.8	0.4	0.1	-1.4	-0.4	
2020 Q1	-2.9	-3.0	5.2	0.2	-8.6	-0.4		-0.9	-5.0	-10.5	-0.6	-1.3	-0.7	-10.1	-2.0	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGZ7	KG7U	KGA6	KGf8	KGG6	KGH4		KGi2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGf2	
2016 Q4	4.7	4.6	9.4	-0.3	5.2	5.4		4.5	-0.1	3.3	3.2	5.5	1.3	2.1	5.1	
2017 Q1	3.7	3.6	6.6	-1.0	4.6	0.8		8.8	3.2	3.7	-0.8	5.9	5.7	0.8	6.8	
Q2	2.5	2.6	4.4	-0.6	2.6	-0.7		9.0	8.8	0.3	1.8	6.5	5.7	1.3	6.2	
Q3	1.6	1.8	2.5	-1.6	-0.1	-1.0		7.3	7.5	-0.3	0.7	5.7	5.5	0.4	5.4	
Q4	1.5	1.4	0.3	-2.2	-3.5	-1.7		4.9	8.1	1.4	-0.8	4.6	5.2	-0.4	7.6	
2018 Q1	1.4	1.6	1.3	0.1	-4.1	1.6		8.4	9.1	0.3	0.3	2.5	-0.4	0.2	3.0	
Q2	1.7	1.6	1.8	1.9	-0.9	1.2		6.7	5.9	3.1	-3.5	1.7	-0.1	-2.1	2.7	
Q3	1.8	1.5	1.7	2.2	2.4	1.7		8.7	8.5	-0.9	-4.4	2.0	-0.2	-3.8	4.2	
Q4	1.6	1.7	2.2	1.1	3.7	1.1		10.0	7.8	-	-2.9	2.1	-0.1	-1.0	2.3	
2019 Q1	1.4	1.2	1.0	-0.2	7.8	-0.2		5.9	6.1	-1.6	-4.3	2.2	-0.5	-0.8	3.4	
Q2	1.2	1.1	0.7	-3.7	7.6	1.3		4.2	4.3	-1.1	-4.6	1.4	-0.8	-0.1	1.9	
Q3	0.9	1.0	0.5	-2.9	6.8	0.8		1.5	1.9	-0.5	-4.5	2.2	-1.0	1.9	1.2	
Q4	0.7	0.6	0.4	-2.5	5.9	1.5		1.0	0.8	-1.8	-6.0	2.2	-0.7	-0.5	0.6	
2020 Q1	-2.5	-2.5	6.0	-1.0	-6.3	1.1		-0.6	-6.5	-11.5	-4.4	0.1	-1.1	-9.9	-1.9	

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

Reference year 2016, £ million

UK NATIONAL <sup>2</sup>								
UK DOMESTIC <sup>3</sup>								
COICOP <sup>1</sup>	Goods							
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2016	1 252 934	13 923	1 239 011	497 251	119 915	125 648	251 688	741 760
2017	1 281 722	13 958	1 267 764	508 679	120 290	132 981	255 408	759 085
2018	1 302 614	14 620	1 287 994	520 853	122 959	135 539	262 355	767 141
2019	1 316 241	15 635	1 300 606	531 844	125 143	144 081	262 620	768 762
<b>Seasonally adjusted</b>								
2016 Q4	317 381	3 531	313 878	126 906	30 302	32 341	64 260	186 957
2017 Q1	318 897	3 511	315 386	126 699	30 298	33 363	63 038	188 687
Q2	319 788	3 185	316 603	126 565	29 529	33 159	63 877	190 038
Q3	321 032	3 443	317 589	127 426	30 416	33 071	63 939	190 163
Q4	322 005	3 819	318 186	127 989	30 047	33 388	64 554	190 197
2018 Q1	323 391	3 023	320 368	129 703	30 780	33 368	65 555	190 665
Q2	325 297	3 731	321 566	129 936	30 833	33 618	65 485	191 630
Q3	326 716	4 219	322 497	130 329	30 432	34 184	65 713	192 168
Q4	327 210	3 647	323 563	130 885	30 914	34 369	65 602	192 678
2019 Q1	327 907	3 853	324 054	131 786	31 048	35 389	65 349	192 268
Q2	329 203	4 052	325 151	133 240	31 536	35 945	65 759	191 911
Q3	329 667	3 867	325 800	133 239	31 411	36 333	65 495	192 561
Q4	329 464	3 863	325 601	133 579	31 148	36 414	66 017	192 022
2020 Q1	319 803	3 888	315 915	129 538	28 300	34 983	66 255	186 377
<b>Percentage change, latest year on previous year</b>								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2016	3.8		3.8	4.8	7.6	3.8	4.0	3.1
2017	2.3		2.3	2.3	0.3	5.8	1.5	2.3
2018	1.6		1.6	2.4	2.2	1.9	2.7	1.1
2019	1.0		1.0	2.1	1.8	6.3	0.1	0.2
<b>Percentage change, latest quarter on previous quarter</b>								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2016 Q4	0.5		0.6	1.7	0.4	3.6	1.4	-0.2
2017 Q1	0.5		0.5	-0.2	-	3.2	-1.9	0.9
Q2	0.3		0.4	-0.1	-2.5	-0.6	1.3	0.7
Q3	0.4		0.3	0.7	3.0	-0.3	0.1	0.1
Q4	0.3		0.2	0.4	-1.2	1.0	1.0	-
2018 Q1	0.4		0.7	1.3	2.4	-0.1	1.6	0.2
Q2	0.6		0.4	0.2	0.2	0.7	-0.1	0.5
Q3	0.4		0.3	0.3	-1.3	1.7	0.3	0.3
Q4	0.2		0.3	0.4	1.6	0.5	-0.2	0.3
2019 Q1	0.2		0.2	0.7	0.4	3.0	-0.4	-0.2
Q2	0.4		0.3	1.1	1.6	1.6	0.6	-0.2
Q3	0.1		0.2	-	-0.4	1.1	-0.4	0.3
Q4	-0.1		-0.1	0.3	-0.8	0.2	0.8	-0.3
2020 Q1	-2.9		-3.0	-3.0	-9.1	-3.9	0.4	-2.9
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2016 Q4	4.7		4.6	6.2	6.3	4.2	7.2	3.5
2017 Q1	3.7		3.6	3.9	2.3	7.8	2.7	3.3
Q2	2.5		2.6	2.4	-1.0	6.5	1.9	2.8
Q3	1.6		1.8	2.1	0.7	5.9	0.9	1.5
Q4	1.5		1.4	0.9	-0.8	3.2	0.5	1.7
2018 Q1	1.4		1.6	2.4	1.6	-	4.0	1.0
Q2	1.7		1.6	2.7	4.4	1.4	2.5	0.8
Q3	1.8		1.5	2.3	0.1	3.4	2.8	1.1
Q4	1.6		1.7	2.3	2.9	2.9	1.6	1.3
2019 Q1	1.4		1.2	1.6	0.9	6.1	-0.3	0.8
Q2	1.2		1.1	2.5	2.3	6.9	0.4	0.1
Q3	0.9		1.0	2.2	3.2	6.3	-0.3	0.2
Q4	0.7		0.6	2.1	0.8	6.0	0.6	-0.3
2020 Q1	-2.5		-2.5	-1.7	-8.9	-1.1	1.4	-3.1

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

# F1 Gross fixed capital formation by sector and type of asset

## Current prices

£ million

	Analysis by sector								Analysis by asset					
	Public corporations <sup>2</sup>				Private Sector									
			Costs of transfer of ownership of				Costs of transfer of ownership of		ICT equipment and other machinery and		Other buildings and		Intellectual Property	
	Business investment <sup>1</sup>	General government	Dwellings <sup>4</sup>	non-produced assets	Dwellings <sup>4</sup>	non-produced assets	Total	Transport equipment	equipment <sup>3</sup>	Dwellings <sup>4</sup>	structures <sup>5</sup>	Products	Total	
	NPEK	RPZG	L62R	L62S	L62T	L62U	NPQS	TLPX	TLPW	GGAE	EQED	TLPK	NPQS	
2016	195 973	52 418	8 362	725	60 904	25 316	343 694	24 623	56 102	69 319	120 018	73 630	343 694	
2017	204 945	55 290	8 464	773	69 191	18 417	357 080	22 064	66 328	77 655	117 290	73 743	357 080	
2018	204 701	57 144	4 567	759	77 449	18 019	362 639	17 731	64 476	82 018	118 831	79 583	362 639	
2019	211 938	62 128	4 621	756	80 516	17 968	377 927	17 926	63 487	85 137	129 306	82 071	377 927	
Seasonally adjusted														
2016 Q4	49 436	13 375	2 135	179	15 633	6 345	87 102	5 395	14 086	17 768	31 326	18 527	87 102	
2017 Q1	50 752	13 429	2 187	168	16 591	4 647	87 774	5 523	16 102	18 777	29 266	18 106	87 774	
	51 268	13 910	2 285	218	16 850	4 594	89 125	5 852	16 985	19 135	28 896	18 257	89 125	
	51 562	13 790	2 195	196	17 317	4 626	89 686	5 696	16 356	19 512	29 619	18 503	89 686	
	51 363	14 161	1 797	191	18 433	4 550	90 495	4 993	16 885	20 231	29 509	18 877	90 495	
2018 Q1	51 512	13 643	1 234	175	18 595	4 542	89 701	5 104	16 237	19 830	29 000	19 530	89 701	
	51 352	14 007	1 181	206	19 401	4 477	90 624	4 534	16 383	20 581	29 081	20 045	90 624	
	50 979	14 539	1 069	191	19 725	4 506	91 009	3 971	15 981	20 796	30 161	20 100	91 009	
	50 858	14 955	1 083	187	19 728	4 494	91 305	4 122	15 875	20 811	30 589	19 908	91 305	
2019 Q1	51 788	15 854	1 124	180	20 046	4 516	93 508	3 829	16 223	21 169	32 014	20 273	93 508	
	52 806	15 048	1 146	197	20 110	4 444	93 751	4 895	14 998	21 256	32 176	20 426	93 751	
	53 714	15 669	1 141	192	20 441	4 488	95 645	4 631	16 497	21 581	32 169	20 767	95 645	
	53 630	15 557	1 210	187	19 919	4 520	95 023	4 571	15 769	21 131	32 947	20 605	95 023	
2020 Q1	52 893	15 432	1 160	181	19 357	4 496	93 519	3 930	16 358	20 506	31 403	21 322	93 519	
Percentage change, latest year on previous year														
	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2016	6.8	2.5	2.9	5.7	4.9	10.1	5.9	21.9	8.0	4.7	3.5	4.7	5.9	
2017	4.6	5.5	1.2	6.6	13.6	-27.3	3.9	-10.4	18.2	12.0	-2.3	0.2	3.9	
2018	-0.1	3.4	-46.0	-1.8	11.9	-2.2	1.6	-19.6	-2.8	5.6	1.3	7.9	1.6	
2019	3.5	8.7	1.2	-0.4	4.0	-0.3	4.2	1.1	-1.5	3.8	8.8	3.1	4.2	
Percentage change, latest quarter on previous quarter														
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2016 Q4	-1.0	-2.2	2.3	5.9	2.1	4.5	-0.2	-23.7	-	2.1	3.5	0.5	-0.2	
2017 Q1	2.7	0.4	2.4	-6.1	6.1	-26.8	0.8	2.4	14.3	5.7	-6.6	-2.3	0.8	
	1.0	3.6	4.5	29.8	1.6	-1.1	1.5	6.0	5.5	1.9	-1.3	0.8	1.5	
	0.6	-0.9	-3.9	-10.1	2.8	0.7	0.6	-2.7	-3.7	2.0	2.5	1.3	0.6	
	-0.4	2.7	-18.1	-2.6	6.4	-1.6	0.9	-12.3	3.2	3.7	-0.4	2.0	0.9	
2018 Q1	0.3	-3.7	-31.3	-8.4	0.9	-0.2	-0.9	2.2	-3.8	-2.0	-1.7	3.5	-0.9	
	-0.3	2.7	-4.3	17.7	4.3	-1.4	1.0	-11.2	0.9	3.8	0.3	2.6	1.0	
	-0.7	3.8	-9.5	-7.3	1.7	0.6	0.4	-12.4	-2.5	1.0	3.7	0.3	0.4	
	-0.2	2.9	1.3	-2.1	-	-0.3	0.3	3.8	-0.7	0.1	1.4	-1.0	0.3	
2019 Q1	1.8	6.0	3.8	-3.7	1.6	0.5	2.4	-7.1	2.2	1.7	4.7	1.8	2.4	
	2.0	-5.1	2.0	9.4	0.3	-1.6	0.3	27.8	-7.6	0.4	0.5	0.8	0.3	
	1.7	4.1	-0.4	-2.5	1.6	1.0	2.0	-5.4	10.0	1.5	-	1.7	2.0	
	-0.2	-0.7	6.0	-2.6	-2.6	0.7	-0.7	-1.3	-4.4	-2.1	2.4	-0.8	-0.7	
2020 Q1	-1.4	-0.8	-4.1	-3.2	-2.8	-0.5	-1.6	-14.0	3.7	-3.0	-4.7	3.5	-1.6	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2016 Q4	5.1	9.0	7.9	2.3	5.8	3.2	5.7	-1.4	2.8	6.0	8.9	4.8	5.7	
2017 Q1	6.1	10.6	7.8	7.7	11.0	-31.5	4.6	-11.1	16.9	10.3	2.3	-0.9	4.6	
	5.1	5.2	8.1	-1.4	12.2	-24.9	4.3	-1.6	20.0	11.7	-3.2	-0.7	4.3	
	3.3	0.8	5.2	16.0	13.1	-23.8	2.8	-19.4	16.1	12.1	-2.1	0.4	2.8	
	3.9	5.9	-15.8	6.7	17.9	-28.3	3.9	-7.5	19.9	13.9	-5.8	1.9	3.9	
2018 Q1	1.5	1.6	-43.6	4.2	12.1	-2.3	2.2	-7.6	0.8	5.6	-0.9	7.9	2.2	
	0.2	0.7	-48.3	-5.5	15.1	-2.5	1.7	-22.5	-3.5	7.6	0.6	9.8	1.7	
	-1.1	5.4	-51.3	-2.6	13.9	-2.6	1.5	-30.3	-2.3	6.6	1.8	8.6	1.5	
	-1.0	5.6	-39.7	-2.1	7.0	-1.2	0.9	-17.4	-6.0	2.9	3.7	5.5	0.9	
2019 Q1	0.5	16.2	-8.9	2.9	7.8	-0.6	4.2	-25.0	-0.1	6.8	10.4	3.8	4.2	
	2.8	7.4	-3.0	-4.4	3.7	-0.7	3.5	8.0	-8.5	3.3	10.6	1.9	3.5	
	5.4	7.8	6.7	0.5	3.6	-0.4	5.1	16.6	3.2	3.8	6.7	3.3	5.1	
	5.5	4.0	11.7	-	1.0	0.6	4.1	10.9	-0.7	1.5	7.7	3.5	4.1	
2020 Q1	2.1	-2.7	3.2	0.6	-3.4	-0.4	-	2.6	0.8	-3.1	-1.9	5.2	-	

# F2 Gross fixed capital formation by sector and type of asset

## Chained volume measures

Reference year 2016, £ million

	Analysis by sector								Analysis by asset						Total
	Public corporations <sup>2</sup>				Private Sector										
	Business investment <sup>1</sup>	General government	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	ICT equipment and other machinery and equipment <sup>3</sup>	Dwellings <sup>4</sup>	Other buildings and structures <sup>5</sup>	Intellectual Property Products			
2016	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT		
2017	195 973	52 418	8 362	726	60 903	25 312	343 690	24 623	56 102	69 318	120 017	73 629	343 690		
2018	201 708	54 433	8 250	768	65 719	18 428	349 306	22 332	63 289	73 969	115 956	73 760	349 306		
2019	198 681	55 120	4 326	739	72 155	17 500	348 521	16 562	62 038	76 483	114 224	79 214	348 521		
	200 313	55 824	4 267	720	72 637	17 028	350 789	16 542	57 575	76 903	118 710	81 059	350 789		
Seasonally adjusted															
2016 Q4	48 801	13 308	2 162	179	15 513	6 337	86 301	5 547	13 522	17 682	31 088	18 463	86 301		
2017 Q1	49 910	13 264	2 150	169	16 110	4 733	86 336	5 650	15 365	18 260	29 021	18 040	86 336		
Q2	50 490	13 949	2 217	218	16 025	4 652	87 551	5 950	16 483	18 242	28 579	18 297	87 551		
Q3	50 603	13 517	2 140	193	16 205	4 560	87 218	5 732	15 723	18 345	28 922	18 496	87 218		
Q4	50 705	13 703	1 743	188	17 379	4 483	88 201	5 000	15 718	19 122	29 434	18 927	88 201		
2018 Q1	50 275	13 160	1 160	172	17 958	4 444	87 169	4 810	15 390	19 116	28 359	19 494	87 169		
Q2	49 859	13 412	1 122	200	18 058	4 313	86 964	4 195	15 474	19 181	28 198	19 916	86 964		
Q3	49 411	14 208	1 009	186	18 046	4 385	87 245	3 658	15 612	19 057	28 835	20 083	87 245		
Q4	49 136	14 340	1 035	181	18 093	4 358	87 143	3 899	15 562	19 129	28 832	19 721	87 143		
2019 Q1	49 695	14 556	1 029	173	18 351	4 369	88 173	3 671	15 359	19 379	29 571	20 193	88 173		
Q2	49 987	13 824	1 071	188	18 300	4 250	87 620	4 525	13 642	19 371	29 829	20 253	87 620		
Q3	50 388	13 839	1 047	182	18 405	4 267	88 128	4 292	14 672	19 452	29 303	20 409	88 128		
Q4	50 243	13 605	1 120	177	17 581	4 142	86 868	4 054	13 902	18 701	30 007	20 204	86 868		
2020 Q1	50 099	13 082	1 038	170	17 416	4 123	85 928	3 432	14 620	18 445	28 400	21 031	85 928		
Percentage change, latest year on previous year															
2016	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N		
2017	4.3	2.3	1.2	4.6	3.2	3.4	3.6	22.3	4.0	3.0	1.4	2.4	3.6		
2018	2.9	3.8	-1.3	5.8	7.9	-27.2	1.6	-9.3	12.8	6.7	-3.4	0.2	1.6		
2019	-1.5	1.3	-47.6	-3.8	9.8	-5.0	-0.2	-25.8	-2.0	3.4	-1.5	7.4	-0.2		
	0.8	1.3	-1.4	-2.6	0.7	-2.7	0.7	-0.1	-7.2	0.5	3.9	2.3	0.7		
Percentage change, latest quarter on previous quarter															
2016 Q4	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q		
	-1.9	-2.3	5.6	5.9	1.9	5.4	-0.6	-20.3	-4.1	2.3	3.6	0.1	-0.6		
2017 Q1	2.3	-0.3	-0.6	-5.6	3.8	-25.3	-	1.9	13.6	3.3	-6.6	-2.3	-		
Q2	1.2	5.2	3.1	29.0	-0.5	-1.7	1.4	5.3	7.3	-0.1	-1.5	1.4	1.4		
Q3	0.2	-3.1	-3.5	-11.5	1.1	-2.0	-0.4	-3.7	-4.6	0.6	1.2	1.1	-0.4		
Q4	0.2	1.4	-18.6	-2.6	7.2	-1.7	1.1	-12.8	-	4.2	1.8	2.3	1.1		
2018 Q1	-0.8	-4.0	-33.4	-8.5	3.3	-0.9	-1.2	-3.8	-2.1	-	-3.7	3.0	-1.2		
Q2	-0.8	1.9	-3.3	16.3	0.6	-2.9	-0.2	-12.8	0.5	0.3	-0.6	2.2	-0.2		
Q3	-0.9	5.9	-10.1	-7.0	-0.1	1.7	0.3	-12.8	0.9	-0.6	2.3	0.8	0.3		
Q4	-0.6	0.9	2.6	-2.7	0.3	-0.6	-0.1	6.6	-0.3	0.4	-	-1.8	-0.1		
2019 Q1	1.1	1.5	-0.6	-4.4	1.4	0.3	1.2	-5.8	-1.3	1.3	2.6	2.4	1.2		
Q2	0.6	-5.0	4.1	8.7	-0.3	-2.7	-0.6	23.3	-11.2	-	0.9	0.3	-0.6		
Q3	0.8	0.1	-2.2	-3.2	0.6	0.4	0.6	-5.1	7.6	0.4	-1.8	0.8	0.6		
Q4	-0.3	-1.7	7.0	-2.7	-4.5	-2.9	-1.4	-5.5	-5.2	-3.9	2.4	-1.0	-1.4		
2020 Q1	-0.3	-3.8	-7.3	-4.0	-0.9	-0.5	-1.1	-15.3	5.2	-1.4	-5.4	4.1	-1.1		
Percentage change, latest quarter on corresponding quarter of previous year															
2016 Q4	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T		
	2.1	10.0	6.8	1.7	3.7	-1.8	3.4	3.4	-5.4	4.1	7.7	2.4	3.4		
2017 Q1	3.0	8.4	4.6	7.6	6.7	-31.2	1.7	-8.6	8.1	6.2	0.1	-1.5	1.7		
Q2	3.1	5.2	5.7	-1.4	6.4	-23.6	2.2	0.3	15.6	6.3	-4.5	-0.6	2.2		
Q3	1.7	-0.7	4.5	14.2	6.4	-24.2	0.5	-17.7	11.5	6.1	-3.6	0.3	0.5		
Q4	3.9	3.0	-19.4	5.0	12.0	-29.3	2.2	-9.9	16.2	8.1	-5.3	2.5	2.2		
2018 Q1	0.7	-0.8	-46.0	1.8	11.5	-6.1	1.0	-14.9	0.2	4.7	-2.3	8.1	1.0		
Q2	-1.2	-3.8	-49.4	-8.3	12.7	-7.3	-0.7	-29.5	-6.1	5.1	-1.3	8.8	-0.7		
Q3	-2.4	5.1	-52.9	-3.6	11.4	-3.8	-	-36.2	-0.7	3.9	-0.3	8.6	-		
Q4	-3.1	4.6	-40.6	-3.7	4.1	-2.8	-1.2	-22.0	-1.0	-	-2.0	4.2	-1.2		
2019 Q1	-1.2	10.6	-11.3	0.6	2.2	-1.7	1.2	-23.7	-0.2	1.4	4.3	3.6	1.2		
Q2	0.3	3.1	-4.5	-6.0	1.3	-1.5	0.8	7.9	-11.8	1.0	5.8	1.7	0.8		
Q3	2.0	-2.6	3.8	-2.2	2.0	-2.7	1.0	17.3	-6.0	2.1	1.6	1.6	1.0		
Q4	2.3	-5.1	8.2	-2.2	-2.8	-5.0	-0.3	4.0	-10.7	-2.2	4.1	2.4	-0.3		
2020 Q1	0.8	-10.1	0.9	-1.7	-5.1	-5.6	-2.5	-6.5	-4.8	-4.8	-4.0	4.1	-2.5		

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

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

3 Includes cultivated biological resources (AN.115) and weapons (AN.114)

4 Includes new dwellings and improvements to dwellings.

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

# G1 Changes in inventories at current prices <sup>1</sup>

£ million

	Mining and quarrying	Manufacturing industries				Elect- ricity, gas and water supply	Distributive trades		Other industries <sup>3</sup>	Changes in inventories <sup>3</sup>
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale <sup>2</sup>	Retail <sup>2</sup>		
<b>Level of inventories held at end-December 2016</b>	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
2016	FAHS -2 302	FAGF 926	FADY 1 840	FALR 112	NZTP 2 878	FAGI 80	FBHE -485	FAHA 1 281	CWVD 2 128	CAEX 3 580
2017	-427	77	-1 864	850	-937	-79	5 771	-1 135	1 534	4 727
2018	-400	-411	3 197	-727	2 059	-449	3 613	-1 893	202	3 132
2019	139	5 513	-314	-476	4 723	-118	1 142	1 829	-1 608	6 107
<b>Seasonally adjusted</b>										
2016 Q4	-682	105	1 509	-524	1 090	1 370	525	1 116	-768	2 651
2017 Q1	-35	922	-1 318	-649	-1 045	47	1 451	-967	3 697	3 148
Q2	356	-567	970	314	717	-82	2 208	-186	-2 432	581
Q3	-7	-417	846	766	1 195	-17	226	-88	-1 043	266
Q4	-741	139	-2 362	419	-1 804	-27	1 886	106	1 312	732
2018 Q1	-269	-37	-77	-164	-278	-466	1 778	188	-1 736	-783
Q2	-134	-596	2 084	-346	1 142	60	-1 154	-1 036	1 121	-1
Q3	-187	-33	296	-6	257	-227	2 035	-484	-1 471	-77
Q4	190	255	894	-211	938	184	954	-561	2 288	3 993
2019 Q1	183	2 619	345	1 307	4 271	-104	3 266	896	-792	7 720
Q2	-234	2 453	-1 003	-1 626	-176	73	-837	409	3 397	2 632
Q3	157	-124	-397	-932	-1 453	174	-481	-175	-1 350	-3 128
Q4	33	565	741	775	2 081	-261	-806	699	-2 863	-1 117
2020 Q1	482	1 132	377	-118	1 391	-132	-1 808	-2 490	344	-2 213

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

# G2 Changes in inventories at chained volume measures<sup>1</sup>

Reference year 2016, £ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades		Other industries <sup>3</sup>	Changes in inventories <sup>3</sup>
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale <sup>2</sup>	Retail <sup>2</sup>		
<b>Level of inventories held at end-December 2016</b>	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
	FAEA	FBNF	FBNG	FBNH	DHBM	FAEB	FAJX	FBYN	DLWX	CAFU
2016	-2 302	926	1 840	112	2 878	80	-485	1 281	2 128	3 580
2017	-1 441	-485	-3 076	393	-3 168	-435	3 883	-3 735	-4 081	-8 974
2018	-499	-908	3 250	-1 530	812	-644	1 740	-3 135	-3 770	-5 494
2019	143	5 213	-801	-533	3 879	-117	664	1 230	-7 530	-1 731
<b>Seasonally adjusted</b>										
2016 Q4	-168	-196	1 806	-101	1 571	193	-330	540	-902	-113
2017 Q1	-606	941	-1 894	-494	-1 447	-152	684	-1 344	2 288	-577
Q2	548	-815	537	120	-158	28	2 062	-557	-4 156	-2 232
Q3	-283	-554	843	372	661	-151	52	-689	-2 375	-2 784
Q4	-1 100	-57	-2 562	395	-2 224	-160	1 085	-1 145	162	-3 381
2018 Q1	-64	-44	-314	1	-357	-366	1 151	124	-3 195	-2 706
Q2	-336	-410	2 320	-661	1 249	-45	-1 280	-1 115	570	-957
Q3	-305	-84	170	-441	-355	-342	1 525	-688	-2 821	-2 985
Q4	206	-370	1 074	-429	275	109	344	-1 456	1 676	1 154
2019 Q1	231	2 339	249	1 406	3 994	-60	2 023	722	-27	6 881
Q2	-334	2 184	-1 219	-1 824	-859	-2	-143	268	266	-804
Q3	161	22	-588	-1 171	-1 737	133	-512	-317	-2 952	-5 223
Q4	85	668	757	1 056	2 481	-188	-704	557	-4 817	-2 585
2020 Q1	639	1 082	237	134	1 453	-46	-2 783	-2 530	2 921	-346

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.



# 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
2016	297 922	269 577	567 499	432 101	167 721	599 822	-134 179	101 856	-32 323
2017	337 466	291 619	629 085	473 361	180 851	654 212	-135 895	110 768	-25 127
2018	349 608	306 870	656 478	488 973	197 292	686 265	-139 365	109 578	-29 787
2019	372 618	327 842	700 460	502 075	222 372	724 447	-129 457	105 470	-23 987
<b>Seasonally adjusted</b>									
2016 Q4	80 753	72 094	152 847	113 736	44 802	158 538	-32 983	27 292	-5 691
2017 Q1	82 138	71 279	153 417	116 161	44 684	160 845	-34 023	26 595	-7 428
Q2	84 864	72 791	157 655	118 181	45 292	163 473	-33 317	27 499	-5 818
Q3	84 557	74 467	159 024	119 272	45 684	164 956	-34 715	28 783	-5 932
Q4	85 907	73 082	158 989	119 747	45 191	164 938	-33 840	27 891	-5 949
2018 Q1	84 870	74 423	159 293	117 637	47 516	165 153	-32 767	26 907	-5 860
Q2	87 338	75 079	162 417	121 225	48 107	169 332	-33 887	26 972	-6 915
Q3	89 343	77 267	166 610	123 817	49 044	172 861	-34 474	28 223	-6 251
Q4	88 057	80 101	168 158	126 294	52 625	178 919	-38 237	27 476	-10 761
2019 Q1	89 900	79 408	169 308	139 301	51 941	191 242	-49 401	27 467	-21 934
Q2	86 678	80 657	167 335	121 706	53 590	175 296	-35 028	27 067	-7 961
Q3	94 197	83 739	177 936	123 794	56 585	180 379	-29 597	27 154	-2 443
Q4	101 843	84 038	185 881	117 274	60 256	177 530	-15 431	23 782	8 351
2020 Q1	82 270	77 277	159 547	111 585	49 163	160 748	-29 315	28 114	-1 201
<b>Percentage change, latest year on previous year</b>									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2016	4.2	10.4	7.1	7.0	9.7	7.8			
2017	13.3	8.2	10.9	9.5	7.8	9.1			
2018	3.6	5.2	4.4	3.3	9.1	4.9			
2019	6.6	6.8	6.7	2.7	12.7	5.6			
<b>Percentage change, latest quarter on previous quarter</b>									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2016 Q4	9.8	6.5	8.2	1.3	4.9	2.3			
2017 Q1	1.7	-1.1	0.4	2.1	-0.3	1.5			
Q2	3.3	2.1	2.8	1.7	1.4	1.6			
Q3	-0.4	2.3	0.9	0.9	0.9	0.9			
Q4	1.6	-1.9	-	0.4	-1.1	-			
2018 Q1	-1.2	1.8	0.2	-1.8	5.1	0.1			
Q2	2.9	0.9	2.0	3.1	1.2	2.5			
Q3	2.3	2.9	2.6	2.1	1.9	2.1			
Q4	-1.4	3.7	0.9	2.0	7.3	3.5			
2019 Q1	2.1	-0.9	0.7	10.3	-1.3	6.9			
Q2	-3.6	1.6	-1.2	-12.6	3.2	-8.3			
Q3	8.7	3.8	6.3	1.7	5.6	2.9			
Q4	8.1	0.4	4.5	-5.3	6.5	-1.6			
2020 Q1	-19.2	-8.0	-14.2	-4.9	-18.4	-9.5			
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2016 Q4	14.7	13.5	14.1	13.5	14.4	13.7			
2017 Q1	18.2	10.8	14.6	14.5	12.7	14.0			
Q2	14.5	11.2	13.0	13.0	11.7	12.6			
Q3	14.9	10.0	12.6	6.2	6.9	6.4			
Q4	6.4	1.4	4.0	5.3	0.9	4.0			
2018 Q1	3.3	4.4	3.8	1.3	6.3	2.7			
Q2	2.9	3.1	3.0	2.6	6.2	3.6			
Q3	5.7	3.8	4.8	3.8	7.4	4.8			
Q4	2.5	9.6	5.8	5.5	16.5	8.5			
2019 Q1	5.9	6.7	6.3	18.4	9.3	15.8			
Q2	-0.8	7.4	3.0	0.4	11.4	3.5			
Q3	5.4	8.4	6.8	-	15.4	4.3			
Q4	15.7	4.9	10.5	-7.1	14.5	-0.8			
2020 Q1	-8.5	-2.7	-5.8	-19.9	-5.3	-15.9			

<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 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total <sup>1</sup>
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2016	297 922	269 577	567 499	432 101	167 721	599 822	-32 323
2017	316 737	285 386	602 123	444 634	176 204	620 838	-18 715
2018	316 184	293 326	609 510	444 935	188 290	633 225	-23 715
2019	331 925	308 167	640 092	454 080	208 442	662 522	-22 430
<b>Seasonally adjusted</b>							
2016 Q4	76 097	70 876	147 009	109 733	43 747	153 493	-6 484
2017 Q1	76 982	70 674	147 656	109 435	43 039	152 474	-4 818
Q2	80 051	71 139	151 190	111 732	44 230	155 962	-4 772
Q3	79 982	72 789	152 771	112 254	44 721	156 975	-4 204
Q4	79 722	70 784	150 506	111 213	44 214	155 427	-4 921
2018 Q1	79 251	71 771	151 022	109 736	46 114	155 850	-4 828
Q2	78 772	71 875	150 647	110 717	46 034	156 751	-6 104
Q3	80 293	73 840	154 133	111 472	46 541	158 013	-3 880
Q4	77 868	75 840	153 708	113 010	49 601	162 611	-8 903
2019 Q1	80 979	75 640	156 619	129 527	48 615	178 142	-21 523
Q2	76 547	76 045	152 592	109 151	50 152	159 303	-6 711
Q3	83 105	78 746	161 851	109 503	53 141	162 644	-793
Q4	91 294	77 736	169 030	105 899	56 534	162 433	6 597
2020 Q1	74 235	72 040	146 275	100 885	46 245	147 130	-855
<b>Percentage change, latest year on previous year</b>							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2016	-1.2	7.3	2.7	4.6	3.8	4.4	
2017	6.3	5.9	6.1	2.9	5.1	3.5	
2018	-0.2	2.8	1.2	0.1	6.9	2.0	
2019	5.0	5.1	5.0	2.1	10.7	4.6	
<b>Percentage change, latest quarter on previous quarter</b>							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2016 Q4	5.4	6.9	6.1	-0.6	5.1	0.9	
2017 Q1	1.2	-0.3	0.4	-0.3	-1.6	-0.7	
Q2	4.0	0.7	2.4	2.1	2.8	2.3	
Q3	-0.1	2.3	1.0	0.5	1.1	0.6	
Q4	-0.3	-2.8	-1.5	-0.9	-1.1	-1.0	
2018 Q1	-0.6	1.4	0.3	-1.3	4.3	0.3	
Q2	-0.6	0.1	-0.2	0.9	-0.2	0.6	
Q3	1.9	2.7	2.3	0.7	1.1	0.8	
Q4	-3.0	2.7	-0.3	1.4	6.6	2.9	
2019 Q1	4.0	-0.3	1.9	14.6	-2.0	9.6	
Q2	-5.5	0.5	-2.6	-15.7	3.2	-10.6	
Q3	8.6	3.6	6.1	0.3	6.0	2.1	
Q4	9.9	-1.3	4.4	-3.3	6.4	-0.1	
2020 Q1	-18.7	-7.3	-13.5	-4.7	-18.2	-9.4	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2016 Q4	1.4	9.8	5.3	4.9	6.1	5.2	
2017 Q1	3.8	7.6	5.6	3.7	5.0	4.0	
Q2	6.1	6.6	6.4	5.0	7.0	5.6	
Q3	10.8	9.8	10.3	1.7	7.4	3.2	
Q4	4.8	-0.1	2.4	1.3	1.1	1.3	
2018 Q1	2.9	1.6	2.3	0.3	7.1	2.2	
Q2	-1.6	1.0	-0.4	-0.9	4.1	0.5	
Q3	0.4	1.4	0.9	-0.7	4.1	0.7	
Q4	-2.3	7.1	2.1	1.6	12.2	4.6	
2019 Q1	2.2	5.4	3.7	18.0	5.4	14.3	
Q2	-2.8	5.8	1.3	-1.4	8.9	1.6	
Q3	3.5	6.6	5.0	-1.8	14.2	2.9	
Q4	17.2	2.5	10.0	-6.3	14.0	-0.1	
2020 Q1	-8.3	-4.8	-6.6	-22.1	-4.9	-17.4	

<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 (2016 = 100) <sup>3</sup>				
	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
2016	1 778 133	1 778 133	1 778 134	–1	100.0	100.0	100.0	100.0	100.0
2017	1 813 229	1 846 693	1 846 694	–1	103.9	103.9	102.0	102.0	102.0
2018	1 832 207	1 907 477	1 911 067	–3 590	107.3	107.5	103.0	103.2	103.7
2019	1 861 853	1 976 949	1 977 095	–146	111.2	111.2	104.7	104.7	105.1
<b>Seasonally adjusted</b>									
2016 Q4	448 704	452 082	452 082	–	101.7	101.7	100.9	100.9	100.9
2017 Q1	451 405	457 806	457 668	138	103.0	103.0	101.5	101.5	101.5
Q2	452 532	460 056	459 891	165	103.5	103.5	101.8	101.8	101.8
Q3	453 971	461 067	460 954	113	103.7	103.7	102.1	102.1	102.1
Q4	455 321	467 764	468 181	–417	105.2	105.3	102.4	102.5	102.6
2018 Q1	455 283	471 951	472 227	–276	106.2	106.2	102.4	102.5	102.8
Q2	457 521	474 230	474 431	–201	106.7	106.7	102.9	103.0	103.4
Q3	459 609	480 138	481 125	–987	108.0	108.2	103.4	103.6	104.1
Q4	459 794	481 158	483 284	–2 126	108.2	108.7	103.4	103.9	104.4
2019 Q1	464 464	489 442	489 130	312	110.1	110.0	104.5	104.4	104.9
Q2	464 577	492 304	491 585	719	110.7	110.6	104.5	104.4	104.8
Q3	466 381	497 019	497 672	–653	111.8	112.0	104.9	105.1	105.3
Q4	466 431	498 184	498 708	–524	112.1	112.2	104.9	105.0	105.3
2020 Q1	455 974	493 779	494 803	–1 024	111.1	111.3	102.6	102.8	103.0
<b>Percentage change, latest year on previous year</b>									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2016	1.9	4.0	4.0		4.0	4.0	1.9	1.9	1.9
2017	2.0	3.9	3.9		3.9	3.9	2.0	2.0	2.0
2018	1.0	3.3	3.5		3.3	3.5	1.0	1.2	1.6
2019	1.6	3.6	3.5		3.6	3.5	1.6	1.4	1.4
<b>Percentage change, latest quarter on previous quarter</b>									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2016 Q4	0.7	1.2	1.2		1.2	1.2	0.7	0.7	0.7
2017 Q1	0.6	1.3	1.2		1.3	1.2	0.6	0.6	0.6
Q2	0.2	0.5	0.5		0.5	0.5	0.2	0.2	0.3
Q3	0.3	0.2	0.2		0.2	0.2	0.3	0.3	0.4
Q4	0.3	1.5	1.6		1.5	1.6	0.3	0.4	0.5
2018 Q1	–	0.9	0.9		0.9	0.9	–	–	0.2
Q2	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.6
Q3	0.5	1.2	1.4		1.2	1.4	0.5	0.6	0.7
Q4	–	0.2	0.4		0.2	0.4	–	0.3	0.3
2019 Q1	1.0	1.7	1.2		1.7	1.2	1.0	0.5	0.5
Q2	–	0.6	0.5		0.6	0.5	–	–0.1	–0.1
Q3	0.4	1.0	1.2		1.0	1.2	0.4	0.7	0.5
Q4	–	0.2	0.2		0.2	0.2	–	–	–
2020 Q1	–2.2	–0.9	–0.8		–0.9	–0.8	–2.2	–2.1	–2.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2016 Q4	2.0	4.8	4.8		4.8	4.8	2.0	2.0	2.0
2017 Q1	2.4	5.0	5.0		5.0	5.0	2.4	2.3	2.3
Q2	2.1	3.7	3.7		3.7	3.7	2.1	2.1	2.1
Q3	1.9	3.2	3.2		3.2	3.2	1.9	1.9	1.9
Q4	1.5	3.5	3.6		3.5	3.6	1.5	1.6	1.7
2018 Q1	0.9	3.1	3.2		3.1	3.2	0.9	0.9	1.3
Q2	1.1	3.1	3.2		3.1	3.2	1.1	1.2	1.6
Q3	1.2	4.1	4.4		4.1	4.4	1.2	1.5	1.9
Q4	1.0	2.9	3.2		2.9	3.2	1.0	1.3	1.7
2019 Q1	2.0	3.7	3.6		3.7	3.6	2.0	1.9	2.1
Q2	1.5	3.8	3.6		3.8	3.6	1.5	1.3	1.4
Q3	1.5	3.5	3.4		3.5	3.4	1.5	1.4	1.2
Q4	1.4	3.5	3.2		3.5	3.2	1.4	1.1	0.9
2020 Q1	–1.8	0.9	1.2		0.9	1.2	–1.8	–1.6	–1.8

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

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

# M Alignment adjustments<sup>1</sup>

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
<b>Seasonally adjusted</b>			
2016 Q4	DMUN –1 984	DMUM –1 972	DMUQ 1 827
2017 Q1	1 863	1 833	126
Q2	–1 967	–1 937	–241
Q3	–349	–342	44
Q4	453	446	71
2018 Q1	–739	–713	1 960
Q2	1 620	1 560	–403
Q3	–2 085	–1 997	431
Q4	1 204	1 150	–1 988
2019 Q1	309	293	–1 406
Q2	1 848	1 742	76
Q3	800	747	1 869
Q4	–2 957	–2 782	–539
2020 Q1	1 963	1 819	–1 997

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

# N Selected financial year variables <sup>1,2</sup>

£ millions except deflator index which is 2018/19 = 100

	Current prices					Chained Volume Measures (reference year 2016)				
	Gross domestic product at market prices	Gross domestic product at market prices non seasonally adjusted	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Gross domestic product at market prices	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Implied GDP deflator at market prices <sup>3 4</sup>
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2016/17	2 019 115	2 019 484	1 799 847	383 393	53 708	2 006 495	1 788 490	381 572	53 447	94.4218
2017/18	2 086 798	2 085 654	1 861 834	388 194	55 504	2 038 569	1 818 069	382 586	54 329	96.0531
2018/19	2 164 929	2 166 842	1 930 006	400 150	59 355	2 070 722	1 846 208	386 398	56 516	98.1016
2019/20	2 218 211	2 216 479	1 984 272	423 375	61 706	2 081 544	1 856 158	395 664	54 350	100.0000
<b>Seasonally adjusted</b>										
2016 Q4	507 375	511 554	452 082	96 021	13 375	503 083	448 704	95 477	13 308	94.6356
2017 Q1	513 458	515 850	457 701	96 497	13 429	505 983	451 301	95 419	13 264	95.2213
Q2	515 534	512 093	459 955	95 869	13 910	507 255	452 432	95 460	13 949	95.3666
Q3	517 788	513 359	461 056	96 670	13 790	508 982	453 960	95 724	13 517	95.4585
Q4	524 887	530 365	468 191	97 631	14 161	511 014	455 736	95 905	13 703	96.3825
2018 Q1	528 589	529 837	472 632	98 024	13 643	511 318	455 941	95 497	13 160	97.0046
Q2	533 844	530 412	475 041	98 355	14 007	514 011	458 302	95 430	13 412	97.4557
Q3	539 878	535 871	481 547	99 472	14 539	517 029	460 958	95 991	14 208	97.9819
Q4	541 993	548 184	483 362	100 379	14 955	518 136	461 901	97 235	14 340	98.1556
2019 Q1	549 214	552 375	490 056	101 944	15 854	521 546	465 047	97 742	14 556	98.8130
Q2	551 860	546 501	492 555	103 692	15 048	521 251	464 814	99 533	13 824	99.3453
Q3	557 443	551 221	497 897	104 729	15 669	523 918	467 206	99 720	13 839	99.8395
Q4	557 935	566 354	498 962	107 175	15 557	523 917	467 161	100 275	13 605	99.9278
2020 Q1	550 973	552 403	494 858	107 779	15 432	512 458	456 977	96 136	13 082	100.8875
<b>Percentage change, latest financial year on previous financial year</b>										
2016/17	4.4	4.4	4.4	2.1	8.1	2.0	2.0	0.4	8.1	2.4
2017/18	3.4	3.3	3.4	1.3	3.3	1.6	1.7	0.3	1.7	1.7
2018/19	3.7	3.9	3.7	3.1	6.9	1.6	1.5	1.0	4.0	2.1
2019/20	2.5	2.3	2.8	5.8	4.0	0.5	0.5	2.4	-3.8	1.9
<b>Percentage change, latest quarter on previous quarter</b>										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2016 Q4	1.3	3.3	1.2	0.4	-2.2	0.6	0.7	0.1	-2.3	0.7
2017 Q1	1.2	0.8	1.2	0.5	0.4	0.6	0.6	-0.1	-0.3	0.6
Q2	0.4	-0.7	0.5	-0.7	3.6	0.3	0.3	-	5.2	0.2
Q3	0.4	0.2	0.2	0.8	-0.9	0.3	0.3	0.3	-3.1	0.1
Q4	1.4	3.3	1.5	1.0	2.7	0.4	0.4	0.2	1.4	1.0
2018 Q1	0.7	-0.1	0.9	0.4	-3.7	0.1	-	-0.4	-4.0	0.6
Q2	1.0	0.1	0.5	0.3	2.7	0.5	0.5	-0.1	1.9	0.5
Q3	1.1	1.0	1.4	1.1	3.8	0.6	0.6	0.6	5.9	0.5
Q4	0.4	2.3	0.4	0.9	2.9	0.2	0.2	1.3	0.9	0.2
2019 Q1	1.3	0.8	1.4	1.6	6.0	0.7	0.7	0.5	1.5	0.7
Q2	0.5	-1.1	0.5	1.7	-5.1	-0.1	-0.1	1.8	-5.0	0.5
Q3	1.0	0.9	1.1	1.0	4.1	0.5	0.5	0.2	0.1	0.5
Q4	0.1	2.7	0.2	2.3	-0.7	-	-	0.6	-1.7	0.1
2020 Q1	-1.2	-2.5	-0.8	0.6	-0.8	-2.2	-2.2	-4.1	-3.8	1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2016 Q4	4.8	4.1	4.8	2.7	9.0	1.8	2.0	0.5	10.0	3.0
2017 Q1	4.8	4.9	5.0	2.0	10.6	2.2	2.3	0.1	8.4	2.5
Q2	3.6	3.1	3.7	0.7	5.2	1.9	2.1	0.2	5.2	1.6
Q3	3.4	3.7	3.2	1.1	0.8	1.8	1.9	0.4	-0.7	1.6
Q4	3.5	3.7	3.6	1.7	5.9	1.6	1.6	0.4	3.0	1.8
2018 Q1	2.9	2.7	3.3	1.6	1.6	1.1	1.0	0.1	-0.8	1.9
Q2	3.6	3.6	3.3	2.6	0.7	1.3	1.3	-	-3.8	2.2
Q3	4.3	4.4	4.4	2.9	5.4	1.6	1.5	0.3	5.1	2.6
Q4	3.3	3.4	3.2	2.8	5.6	1.4	1.4	1.4	4.6	1.8
2019 Q1	3.9	4.3	3.7	4.0	16.2	2.0	2.0	2.4	10.6	1.9
Q2	3.4	3.0	3.7	5.4	7.4	1.4	1.4	4.3	3.1	1.9
Q3	3.3	2.9	3.4	5.3	7.8	1.3	1.4	3.9	-2.6	1.9
Q4	2.9	3.3	3.2	6.8	4.0	1.1	1.1	3.1	-5.1	1.8
2020 Q1	0.3	-	1.0	5.7	-2.7	-1.7	-1.7	-1.6	-10.1	2.1

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 2018/2019= 100 for presentational

purposes, whereas in table A1 it is expressed as 2016 = 100.

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

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

2019 = 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
2016	94.3036	94.3206	94.1753
2017	96.3670	96.1057	95.9161
2018	98.3716	98.1585	98.0467
2019	100.0000	100.0000	100.0000
<b>Seasonally adjusted</b>			
2016 Q4	94.9417	95.1290	94.8882
2017 Q1	96.1691	95.7177	95.5148
Q2	96.0247	95.8637	95.7452
Q3	96.2431	95.9562	95.6513
Q4	97.0311	96.8850	96.7531
2018 Q1	97.6516	97.5103	97.6269
Q2	98.0507	97.9637	97.6190
Q3	98.8742	98.4927	98.3858
Q4	98.9098	98.6673	98.5550
2019 Q1	99.1833	99.3281	99.2439
Q2	99.9982	99.8632	99.8000
Q3	100.6296	100.3600	100.3659
Q4	100.1888	100.4487	100.5902
2020 Q1	101.4470	101.4134	101.9862
<b>Percentage change, latest year on previous year</b>			
	MNE3	MNF3	MNX6
2016	1.9	2.1	2.0
2017	2.2	1.9	1.8
2018	2.1	2.1	2.2
2019	1.7	1.9	2.0
<b>Percentage change, latest quarter on previous quarter</b>			
	MNE4	MNF4	MNX7
2016 Q4	0.4	0.7	0.5
2017 Q1	1.3	0.6	0.7
Q2	-0.2	0.2	0.2
Q3	0.2	0.1	-0.1
Q4	0.8	1.0	1.2
2018 Q1	0.6	0.6	0.9
Q2	0.4	0.5	-
Q3	0.8	0.5	0.8
Q4	-	0.2	0.2
2019 Q1	0.3	0.7	0.7
Q2	0.8	0.5	0.6
Q3	0.6	0.5	0.6
Q4	-0.4	0.1	0.2
2020 Q1	1.3	1.0	1.4
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>			
	MNE5	MNF5	MNX8
2016 Q4	2.9	3.0	2.7
2017 Q1	2.9	2.5	2.6
Q2	1.8	1.6	1.6
Q3	1.8	1.6	1.3
Q4	2.2	1.8	2.0
2018 Q1	1.5	1.9	2.2
Q2	2.1	2.2	2.0
Q3	2.7	2.6	2.9
Q4	1.9	1.8	1.9
2019 Q1	1.6	1.9	1.7
Q2	2.0	1.9	2.2
Q3	1.8	1.9	2.0
Q4	1.3	1.8	2.1
2020 Q1	2.3	2.1	2.8

1 Implied deflator is expressed in terms of 2018 = 100, whereas in table A1 it is expressed as 2016 = 100.

2 Data are only considered accurate to 1 decimal place.

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

# P GDP Per Head<sup>1</sup>

£

	UK resident population mid-year estimates (persons thousands) <sup>2</sup>	Current Prices		Chained volume measures (Reference year 2016)	
		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
2016	65 648	1 995 478	30 397	1 995 478	30 397
2017	66 040	2 071 667	31 370	2 033 234	30 788
2018	66 436	2 144 304	32 276	2 060 494	31 015
2019	66 833	2 216 452	33 164	2 090 632	31 281
<b>Seasonally adjusted</b>					
2016 Q4	65 844	507 375	7 706	503 083	7 641
2017 Q1	65 942	513 458	7 787	505 983	7 673
Q2	66 040	515 534	7 806	507 255	7 681
Q3	66 139	517 788	7 829	508 982	7 696
Q4	66 238	524 887	7 924	511 014	7 715
2018 Q1	66 337	528 589	7 968	511 318	7 708
Q2	66 436	533 844	8 035	514 011	7 737
Q3	66 535	539 878	8 114	517 029	7 771
Q4	66 634	541 993	8 134	518 136	7 776
2019 Q1	66 734	549 214	8 230	521 546	7 815
Q2	66 833	551 860	8 257	521 251	7 799
Q3	66 924	557 443	8 329	523 918	7 829
Q4	67 014	557 935	8 326	523 917	7 818
2020 Q1	67 105	550 973	8 211	512 458	7 637
<b>Percentage change, latest year on previous year</b>					
		IHYM	N3Y3	IHYP	N3Y6
2016		4.1	3.2	1.9	1.1
2017		3.8	3.2	1.9	1.3
2018		3.5	2.9	1.3	0.7
2019		3.4	2.8	1.5	0.9
<b>Percentage change, latest quarter on previous quarter</b>					
		IHYN	N3Y4	IHYQ	N3Y7
2016 Q4		1.3	1.2	0.6	0.5
2017 Q1		1.2	1.1	0.6	0.4
Q2		0.4	0.2	0.3	0.1
Q3		0.4	0.3	0.3	0.2
Q4		1.4	1.2	0.4	0.2
2018 Q1		0.7	0.6	0.1	-0.1
Q2		1.0	0.8	0.5	0.4
Q3		1.1	1.0	0.6	0.4
Q4		0.4	0.2	0.2	0.1
2019 Q1		1.3	1.2	0.7	0.5
Q2		0.5	0.3	-0.1	-0.2
Q3		1.0	0.9	0.5	0.4
Q4		0.1	-	-	-0.1
2020 Q1		-1.2	-1.4	-2.2	-2.3
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>					
		IHYO	N3Y5	IHYR	N3Y8
2016 Q4		4.8	4.1	1.8	1.1
2017 Q1		4.8	4.1	2.2	1.6
Q2		3.6	3.0	1.9	1.3
Q3		3.4	2.8	1.8	1.2
Q4		3.5	2.8	1.6	1.0
2018 Q1		2.9	2.3	1.1	0.5
Q2		3.6	2.9	1.3	0.7
Q3		4.3	3.6	1.6	1.0
Q4		3.3	2.7	1.4	0.8
2019 Q1		3.9	3.3	2.0	1.4
Q2		3.4	2.8	1.4	0.8
Q3		3.3	2.6	1.3	0.7
Q4		2.9	2.4	1.1	0.5
2020 Q1		0.3	-0.2	-1.7	-2.3

1 This data uses the latest population estimates with the exception of the latest year where populations projections are used. The quarterly data in this table does not sum to annuals (excluding GDP at market prices)

2 This data uses the UK resident population mid-year estimates published 26 June 2019

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

# Revisions Analysis<sup>1</sup>

## Revisions since previously published estimates

£ million

			2019
<b>Latest less previously published levels of GDP at current market prices</b>			
<b>National accounts aggregates at current prices (Table A2)</b>			
Gross domestic product at market prices	KB7D		1 564
less Basic price adjustment	KB7E		-564
Gross value added at basic prices	KB7F		2 128
<b>Gross domestic product: expenditure at current prices (Table C1)</b>			
National expenditure on goods and services at market prices			
Households	KB7K		-1 100
Non-profit institutions serving households	KB7L		-10
General government	KB7M		-577
Gross fixed capital formation	KB7N		266
Changes in inventories	KB7O		-1 281
Acquisitions less disposals of valuables	KB7P		-395
Total	KB7Q		-3 097
Total exports	KB7R		1 834
Total imports	KB7S		-74
Statistical discrepancy (expenditure)	KB7T		2 753
<b>Gross domestic product: income at current prices (Table D)</b>			
Compensation of employees	KB7U		461
Gross operating surplus of corporations	KB7V		5 097
Other income	KB7W		1 589
Gross value added at factor cost	KB7X		7 147
Taxes on products & production less Subsidies	KB7Y		-1 725
Statistical discrepancy (income)	KB7Z		-3 858

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

			2019
<b>Latest less previously published growth rates for GDP in chained volume terms</b>			
<b>Percentage changes in volume of GDP (Table A2)</b>			
Gross domestic product chained volume measures			
Year on year growth	KB82		0.1
<b>Percentage changes in volume of GVA output components (Table B1)</b>			
GVA at basic prices			
Agriculture, forestry and fishing	KB83		0.1
Mining and quarrying inc oil & gas extraction	KB84		1.6
Manufacturing	KB85		-
Electricity, gas, steam and air	KB86		0.9
Water supply, sewerage	KNT7		0.3
Total Production	KB87		0.1
Construction	KB88		-0.4
Distribution, hotels and restaurants	KB89		-
Transport storage and communications	KB8A		-
Business services and finance	KB8B		0.1
Government and other services	KB8C		-
Total services	KB8D		-
Total GVA	KB8E		0.1
Total GVA excluding Oil	KB8F		0.1
<b>Percentage changes in volume of GDP expenditure components (Table C2)</b>			
National expenditure on goods and services at market prices			
Households	KB8G		-0.1
Non-profit institutions serving households	KB8H		-0.3
General government	KB8I		-0.1
Gross fixed capital formation	KB8J		0.1
Total	KB8K		-0.1
Total exports	KB8L		0.2
Total imports	KB8M		-



# Revisions Analysis<sup>1</sup>

## Revisions since previously published estimates

continued

£ million

		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1
<b>Latest less previously published levels of GDP</b>						
<b>at current market prices</b>						
<b>National accounts aggregates</b>						
<b>at current prices (Table A2)</b>						
Gross domestic product at market prices	KB7D	-101	726	549	390	1 200
less Basic price adjustment	KB7E	229	46	-180	-659	-1 932
Gross value added at basic prices	KB7F	-330	680	729	1 049	3 132
<b>Gross domestic product:</b>						
<b>expenditure at current prices (Table C1)</b>						
<b>National expenditure on goods and services</b>						
<b>at market prices</b>						
Households	KB7K	212	-155	-483	-674	-5 568
Non-profit institutions serving households	KB7L	-3	-5	-1	-1	-2
General government	KB7M	-88	-314	-49	-126	-90
Gross fixed capital formation	KB7N	4	-82	373	-29	-393
Changes in inventories	KB7O	-747	246	-1 177	397	3 813
Acquisitions less disposals of valuables	KB7P	4	-2	-2	-395	-1 196
Total	KB7Q	-618	-312	-1 339	-828	-3 436
Total exports	KB7R	-97	2 052	589	-710	-5 503
Total imports	KB7S	-229	1 425	-178	-1 092	-9 076
Statistical discrepancy (expenditure)	KB7T	385	411	1 121	836	1 063
<b>Gross domestic product:</b>						
<b>income at current prices (Table D)</b>						
Compensation of employees	KB7U	-49	-183	-34	727	-594
Gross operating surplus of corporations	KB7V	185	1 585	2 206	1 121	525
Other income	KB7W	147	238	343	861	276
Gross value added at factor cost	KB7X	283	1 640	2 515	2 709	207
Taxes on products & production less Subsidies	KB7Y	52	-269	-507	-1 001	2 422
Statistical discrepancy (income)	KB7Z	-436	-645	-1 459	-1 318	-1 429

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

		2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1
<b>Latest less previously published growth rates</b>						
<b>for GDP in chained volume terms</b>						
<b>Percentage changes in volume of GDP (Table A2)</b>						
<b>Gross domestic product chained volume measures</b>						
Quarter on quarter growth	KB82	-	0.1	-	-	-0.2
Quarter on same quarter a year earlier	KB94	-	0.1	-	-	-0.1
<b>Percentage changes in volume</b>						
<b>of GVA output components (Table B1)</b>						
<b>GVA at basic prices quarter on quarter growth</b>						
Agriculture, forestry and fishing	KB83	-0.1	0.2	0.1	-0.2	0.1
Mining and quarrying inc oil & gas extraction	KB84	1.5	0.3	-0.5	0.5	3.1
Manufacturing	KB85	-0.2	0.1	-	0.1	0.6
Electricity, gas, steam and air	KB86	0.6	0.6	-0.8	1.4	-
Water supply, sewerage	KNT7	0.4	0.7	-1.1	-0.1	-0.1
Total Production	KB87	-	0.3	-0.2	0.2	0.6
Construction	KB88	-0.5	0.6	-0.4	-0.9	0.9
Distribution, hotels and restaurants	KB89	-	-0.1	-	-	-0.3
Transport storage and communications	KB8A	-0.1	0.1	-	-0.1	0.5
Business services and finance	KB8B	0.1	0.1	-	0.1	-
Government and other services	KB8C	-	-0.2	0.1	-0.1	-1.7
Total services	KB8D	-	-	-	-0.1	-0.4
Total GVA	KB8E	-	0.1	-	-	-0.2
Total GVA excluding Oil	KB8F	-	0.2	-	-	-0.3
<b>Percentage changes in volume of GDP</b>						
<b>expenditure components (Table C2)</b>						
<b>National expenditure on goods and services</b>						
<b>at market prices quarter on quarter growth</b>						
Households	KB8G	0.1	-0.1	-0.1	-0.1	-1.2
Non-profit institutions serving households	KB8H	-0.2	-0.1	-	-0.2	-3.6
General government	KB8I	-0.6	0.7	0.2	-0.9	-1.5
Gross fixed capital formation	KB8J	0.2	-0.1	0.1	-0.2	-0.1
Total	KB8K	-0.1	-0.1	0.1	-	-0.7
Total exports	KB8L	0.1	0.9	-0.9	-0.6	-2.7
Total imports	KB8M	0.3	0.1	-0.2	-0.5	-4.1

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

## Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction <sup>3</sup>	Total Services	Distri- bution, hotels & restaurants	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>												
2017	L3BB 5.7	L3BG 1.7	L3BH 1.7	L3BN 2.2	L3DM -1.8	L3DQ 2.0	L3DW 6.4	L3E2 1.7	L3GP 2.4	KI8L 3.6	KI8N 1.0	KI8P 1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.1	-1.3	1.3	-1.7	-1.8	1.7	1.9	1.8	2.7	4.3	0.7	1.7
<b>Contributions to growth</b>												
2017	ZZ3V 0.04	ZZ3W 0.24	ZZ3Y 0.01	ZZ3X 0.23	ZZ3Z -0.03	ZZ42 0.03	ZZ43 0.39	ZZ44 1.32	ZZ45 0.32	ZZ46 0.39	ZZ47 0.35	ZZ48 0.26
2018	-0.02	0.11	0.04	0.09	-0.02	0.01	-	1.58	0.40	0.42	0.59	0.15
2019	-0.01	-0.17	0.01	-0.17	-0.03	0.02	0.12	1.44	0.37	0.48	0.23	0.36
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Growth</b>												
2017 Q3	L3BB 0.6	L3BG 0.9	L3BH 1.3	L3BN 0.9	L3DM 0.3	L3DQ 1.0	L3DW 0.1	L3E2 0.3	L3GP 0.4	KI8L 0.6	KI8N 0.5	KI8P -0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.2	0.9	-0.1	1.5	-1.5	-1.0	1.6	0.4	1.1	1.3	-0.2	0.4
Q2	-0.2	-1.8	-0.4	-2.9	1.9	2.1	-0.6	0.2	0.2	0.6	0.1	0.2
Q3	0.2	-0.3	1.5	-0.3	-2.4	0.6	0.5	0.6	0.1	0.7	0.8	0.7
Q4	-0.1	-0.5	-2.2	-1.0	3.2	0.2	-1.0	0.1	-0.2	-0.5	0.3	0.5
2020 Q1	-0.1	-1.5	-2.1	-1.1	-5.8	0.4	-1.7	-2.3	-4.7	-2.8	-0.4	-3.7
<b>Contributions to growth</b>												
2017 Q3	ZZ2F -	ZZ2G 0.12	ZZ2I 0.01	ZZ2H 0.10	ZZ2J -	ZZ2K 0.01	ZZ2L 0.01	ZZ2M 0.24	ZZ2N 0.05	ZZ2O 0.06	ZZ2P 0.17	ZZ2Q -0.05
Q4	-0.01	0.14	-0.02	0.16	-	0.01	0.05	0.28	0.02	0.12	0.18	-0.04
2018 Q1	-0.01	-0.02	0.01	-0.02	0.02	-0.02	-0.11	0.34	0.06	-0.01	0.24	0.05
Q2	-0.01	-0.06	0.04	-0.04	-0.07	0.03	0.05	0.61	0.25	0.16	0.11	0.09
Q3	-	0.08	0.03	0.01	0.02	0.02	0.06	0.52	0.16	0.23	0.06	0.08
Q4	-	-0.12	-0.01	-0.08	-0.01	-0.01	-	0.41	0.07	0.14	0.12	0.09
2019 Q1	-0.01	0.12	-	0.15	-0.02	-0.01	0.10	0.31	0.15	0.15	-0.08	0.09
Q2	-	-0.24	-	-0.28	0.03	0.03	-0.03	0.16	0.02	0.07	0.02	0.05
Q3	-	-0.04	0.01	-0.03	-0.03	0.01	0.03	0.50	0.02	0.08	0.26	0.15
Q4	-	-0.07	-0.02	-0.10	0.04	-	-0.06	0.11	-0.03	-0.06	0.10	0.11
2020 Q1	-	-0.19	-0.02	-0.10	-0.09	-	-0.10	-1.87	-0.63	-0.32	-0.12	-0.81
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>												
<b>Growth</b>												
2017 Q3	L3ZZ 7.1	L426 2.0	L427 -0.4	L42D 2.6	L44C -0.4	L44G 1.2	L44M 5.9	L44Q 1.5	L47F 2.9	KI12 3.2	KI19 0.6	KI18 1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.7	0.1	6.5	0.4	-6.0	2.1	3.5	2.3	4.8	6.2	0.6	1.6
Q2	-1.0	-1.2	1.1	-2.1	1.0	2.0	2.1	1.8	3.0	5.3	0.3	1.4
Q3	-0.5	-2.1	-0.5	-2.5	-2.9	0.8	1.6	1.7	2.0	3.9	0.9	1.8
Q4	-1.3	-1.8	-1.4	-2.7	1.1	1.9	0.5	1.4	1.2	2.0	0.9	1.9
2020 Q1	-0.2	-4.1	-3.4	-5.1	-3.3	3.3	-2.7	-1.4	-4.5	-2.1	0.7	-2.3
<b>Contributions to growth</b>												
2017 Q3	ZZ36 0.05	ZZ37 0.27	ZZ39 -	ZZ38 0.26	ZZ3A -0.01	ZZ3B 0.02	ZZ3C 0.36	ZZ3D 1.23	ZZ3E 0.38	ZZ3F 0.35	ZZ3G 0.21	ZZ3H 0.30
Q4	0.03	0.31	0.02	0.33	-0.05	0.01	0.33	0.97	0.17	0.38	0.20	0.22
2018 Q1	-0.02	0.20	0.01	0.21	0.04	-0.06	-0.04	1.15	0.19	0.35	0.54	0.07
Q2	-0.02	0.19	0.04	0.18	-0.05	0.03	-0.01	1.48	0.39	0.33	0.71	0.05
Q3	-0.03	0.15	0.05	0.10	-0.03	0.04	0.05	1.77	0.49	0.49	0.60	0.18
Q4	-0.02	-0.12	0.06	-0.14	-0.04	0.02	-	1.90	0.54	0.52	0.53	0.31
2019 Q1	-0.01	0.02	0.06	0.04	-0.09	0.03	0.21	1.87	0.63	0.68	0.20	0.35
Q2	-0.01	-0.17	0.01	-0.21	0.02	0.03	0.13	1.42	0.41	0.59	0.11	0.32
Q3	-	-0.29	-	-0.25	-0.04	0.01	0.10	1.39	0.27	0.44	0.31	0.38
Q4	-0.01	-0.24	-0.01	-0.26	0.02	0.02	0.03	1.09	0.17	0.23	0.29	0.40
2020 Q1	-	-0.55	-0.03	-0.51	-0.05	0.04	-0.17	-1.11	-0.62	-0.24	0.24	-0.50

1 Estimates are accurate to 1 decimal place and contributions are available from 1997. Output data are available from 1990 in table B1

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

Short Guide to National Accounts

3 For the most accurate figures on construction, please refer to the Construction output in Great Britain release.

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

## Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	House-holds	Non-prof- it instit- utions <sup>3</sup>	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	
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5	
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0	
2019	1.0	-1.1	3.4	1.5	0.7	0.8	5.0	4.6	
<b>Contributions to growth</b>									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2017	1.44	-	0.05	-0.29	0.28	0.29	1.74	1.05	0.68
2018	1.02	-	0.08	0.25	-0.04	-0.15	0.37	0.63	-0.26
2019	0.66	-0.02	0.63	0.25	0.11	0.08	1.54	1.48	0.06
<b>Percentage change, latest quarter on previous quarter</b>									
<b>Growth</b>									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6	
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0	
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3	
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6	
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8	
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9	
2019 Q1	0.2	-0.1	0.5	18.4	1.2	1.1	1.9	9.6	
Q2	0.4	-1.2	1.8	-16.8	-0.6	0.6	-2.6	-10.6	
Q3	0.1	0.5	0.2	-5.2	0.6	0.8	6.1	2.1	
Q4	-0.1	-0.9	0.6	-9.1	-1.4	-0.3	4.4	-0.1	
2020 Q1	-2.9	-2.8	-4.1	13.0	-1.1	-0.3	-13.5	-9.4	
<b>Contributions to growth</b>									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2017 Q3	0.25	-0.01	0.05	-0.08	-0.07	0.02	0.31	0.20	0.11
Q4	0.19	0.02	0.04	0.21	0.19	0.02	-0.45	-0.30	-0.14
2018 Q1	0.27	0.01	-0.08	-0.21	-0.20	-0.08	0.10	0.09	0.02
Q2	0.37	-0.02	-0.01	0.43	-0.04	-0.08	-0.08	0.18	-0.26
Q3	0.27	-	0.11	-0.36	0.05	-0.09	0.70	0.25	0.44
Q4	0.10	-	0.24	0.73	-0.02	-0.05	-0.08	0.92	-1.00
2019 Q1	0.13	-	0.10	3.23	0.20	0.11	0.58	3.12	-2.54
Q2	0.25	-0.03	0.34	-3.47	-0.11	0.06	-0.80	-3.76	2.96
Q3	0.09	0.01	0.04	-0.89	0.10	0.08	1.84	0.67	1.17
Q4	-0.04	-0.02	0.11	-1.47	-0.24	-0.03	1.42	-0.04	1.46
2020 Q1	-1.84	-0.06	-0.78	1.93	-0.18	-0.03	-4.48	-3.01	-1.47
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
<b>Growth</b>									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2	
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3	
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2	
Q2	1.7	-0.2	-	2.0	-0.7	-1.2	-0.4	0.5	
Q3	1.8	0.2	0.3	0.5	-	-2.4	0.9	0.7	
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6	
2019 Q1	1.4	-0.8	2.4	23.9	1.2	-1.2	3.7	14.3	
Q2	1.2	-1.1	4.3	0.6	0.8	0.3	1.3	1.6	
Q3	0.9	-0.7	3.9	-2.7	1.0	2.0	5.0	2.9	
Q4	0.7	-1.6	3.1	-15.1	-0.3	2.3	10.0	-0.1	
2020 Q1	-2.5	-4.3	-1.6	-19.0	-2.5	0.8	-6.6	-17.4	
<b>Contributions to growth</b>									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2017 Q3	1.34	0.01	0.07	-1.46	0.08	0.17	2.85	0.98	1.87
Q4	0.54	0.04	0.09	0.53	0.38	0.38	0.70	0.38	0.31
2018 Q1	0.88	0.03	0.02	-0.03	0.17	0.07	0.68	0.69	-0.01
Q2	1.08	-	-0.01	0.36	-0.12	-0.12	-0.11	0.16	-0.27
Q3	1.11	-	0.05	0.08	0.01	-0.23	0.27	0.21	0.06
Q4	1.01	-0.01	0.26	0.60	-0.21	-0.31	0.64	1.45	-0.81
2019 Q1	0.88	-0.02	0.44	4.07	0.20	-0.11	1.13	4.54	-3.41
Q2	0.76	-0.02	0.79	0.10	0.13	0.02	0.39	0.52	-0.13
Q3	0.57	-0.02	0.71	-0.45	0.17	0.19	1.54	0.93	0.61
Q4	0.44	-0.04	0.58	-2.65	-0.05	0.21	3.06	-0.04	3.10
2020 Q1	-1.55	-0.09	-0.31	-3.94	-0.44	0.08	-2.05	-6.13	4.09

1 Estimates are accurate to 1 decimal place and contributions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 This table does not include the contribution from the statistical discrepancy

for this component are available in table C2  
3 Non-profit institutions serving households

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

## Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations <sup>3</sup>	Other income <sup>4</sup>	Taxes on products & production less subsidies
<b>Percentage change, latest year on previous year</b>				
<b>Growth</b>				
	KGI3	KH4V	KH6T	KH65
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.5	1.6	3.4	1.5
<b>Contributions to growth</b>				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2017	2.07	0.84	0.42	0.46
2018	2.15	0.20	0.76	0.32
2019	2.22	0.35	0.61	0.19
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Growth</b>				
	KGI4	KH4W	KH6U	KH66
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.5	3.2	1.8	-0.2
Q2	1.5	-1.6	-0.6	1.2
Q3	1.0	4.0	-0.6	-0.4
Q4	0.8	-2.2	1.3	-0.9
2020 Q1	1.1	-3.4	-0.4	-8.6
<b>Contributions to growth</b>				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2017 Q3	0.49	-0.38	0.10	0.19
Q4	0.33	0.94	0.19	-0.04
2018 Q1	0.56	0.16	0.19	-0.28
Q2	0.40	-0.39	0.27	0.68
Q3	0.73	0.37	0.16	-0.13
Q4	0.74	-0.62	0.29	0.06
2019 Q1	0.23	0.63	0.31	-0.02
Q2	0.79	-0.33	-0.12	0.15
Q3	0.47	0.81	-0.10	-0.05
Q4	0.47	-0.52	0.25	-0.12
2020 Q1	0.54	-0.67	-0.07	-0.97
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Growth</b>				
	KGI5	KH4X	KH6V	KH67
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.3	0.2	6.0	4.9
Q2	5.1	0.4	3.7	0.5
Q3	4.5	2.6	2.2	1.1
Q4	3.9	3.4	1.8	-0.2
2020 Q1	4.6	-3.2	-0.3	-8.7
<b>Contributions to growth</b>				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2017 Q3	2.00	0.34	0.39	0.65
Q4	2.06	0.62	0.38	0.44
2018 Q1	2.19	-0.04	0.53	0.15
Q2	1.86	0.27	0.77	0.59
Q3	2.09	1.08	0.83	0.24
Q4	2.50	-0.48	0.94	0.33
2019 Q1	2.13	0.04	1.05	0.58
Q2	2.52	0.09	0.67	0.06
Q3	2.25	0.56	0.39	0.14
Q4	1.90	0.68	0.32	-0.03
2020 Q1	2.10	-0.62	-0.06	-0.97

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

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

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

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

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure						
	House- holds	Non-prof- it instit- utions <sup>2</sup>	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
2017	1.4	1.1	1.1	6.3	2.2	4.5	5.4
2018	2.7	1.5	2.0	0.1	1.8	3.1	2.8
2019	1.3	1.8	1.9	2.6	3.5	1.6	0.9
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2017 Q3	-0.1	0.7	0.6	0.9	1.0	-0.2	0.3
Q4	0.9	-	0.8	0.6	-0.2	1.5	1.0
2018 Q1	1.3	-	0.8	-1.7	0.3	-0.2	-0.1
Q2	0.4	1.3	0.4	0.2	1.3	2.2	1.9
Q3	0.6	0.1	0.5	2.1	0.1	0.3	1.3
Q4	0.3	-	-0.4	-0.5	0.4	1.2	0.6
2019 Q1	0.3	0.3	1.0	-0.8	1.2	-1.2	-2.4
Q2	0.2	1.4	-0.1	4.5	0.9	1.4	2.5
Q3	0.6	-0.4	0.8	0.9	1.4	0.3	0.8
Q4	-0.1	0.8	1.8	-4.1	0.8	-	-1.5
2020 Q1	0.2	2.9	4.9	0.7	-0.5	-0.8	-
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2017 Q3	0.9	1.4	0.7	8.1	2.3	2.1	3.1
Q4	2.0	1.0	1.2	1.6	1.7	1.6	2.7
2018 Q1	2.3	1.3	1.5	-1.0	1.2	1.5	0.5
Q2	2.5	2.0	2.6	-	2.4	3.4	3.1
Q3	3.2	1.3	2.6	1.3	1.4	3.8	4.1
Q4	2.6	1.4	1.4	0.2	2.1	3.6	3.7
2019 Q1	1.6	1.8	1.6	1.1	3.1	2.5	1.3
Q2	1.4	1.9	1.1	5.4	2.7	1.7	1.9
Q3	1.4	1.4	1.3	4.1	4.0	1.7	1.4
Q4	0.9	2.2	3.5	0.3	4.4	0.5	-0.7
2020 Q1	0.8	4.8	7.5	1.8	2.6	0.9	1.8

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

2 Non-profit institutions serving households

# 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 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction <sup>4</sup>	Total Services	Distrib- ution, hotels & restaurants	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
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.1	-1.3	1.3	-1.7	-1.8	1.7	1.9	1.8	2.7	4.3	0.7	1.7
<b>Previous estimates<sup>2</sup></b>												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.2	-1.4	-0.3	-1.7	-2.7	1.4	2.3	1.8	2.7	4.3	0.6	1.7
<b>Revisions</b>												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	0.1	0.1	1.6	-	0.9	0.3	-0.4	-	-	-	0.1	-
<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
2017 Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.2	0.9	-0.1	1.5	-1.5	-1.0	1.6	0.4	1.1	1.3	-0.2	0.4
Q2	-0.2	-1.8	-0.4	-2.9	1.9	2.1	-0.6	0.2	0.2	0.6	0.1	0.2
Q3	0.2	-0.3	1.5	-0.3	-2.4	0.6	0.5	0.6	0.1	0.7	0.8	0.7
Q4	-0.1	-0.5	-2.2	-1.0	3.2	0.2	-1.0	0.1	-0.2	-0.5	0.3	0.5
2020 Q1	-0.1	-1.5	-2.1	-1.1	-5.8	0.4	-1.7	-2.3	-4.7	-2.8	-0.4	-3.7
<b>Previous estimates<sup>2</sup></b>												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2017 Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.1	0.9	-1.6	1.7	-2.1	-1.4	2.1	0.4	1.1	1.4	-0.3	0.4
Q2	-0.4	-2.1	-0.7	-3.0	1.3	1.4	-1.2	0.2	0.3	0.5	-	0.4
Q3	0.1	-0.1	2.0	-0.3	-1.6	1.7	0.9	0.6	0.1	0.7	0.8	0.6
Q4	0.1	-0.7	-2.7	-1.1	1.8	0.3	-0.1	0.2	-0.2	-0.4	0.2	0.6
2020 Q1	-0.2	-2.1	-5.2	-1.7	-5.8	0.5	-2.6	-1.9	-4.4	-3.3	-0.4	-2.0
<b>Revisions</b>												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2017 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	-0.1	-	1.5	-0.2	0.6	0.4	-0.5	-	-	-0.1	0.1	-
Q2	0.2	0.3	0.3	0.1	0.6	0.7	0.6	-	-0.1	0.1	0.1	-0.2
Q3	0.1	-0.2	-0.5	-	-0.8	-1.1	-0.4	-	-	-	-	0.1
Q4	-0.2	0.2	0.5	0.1	1.4	-0.1	-0.9	-0.1	-	-0.1	0.1	-0.1
2020 Q1	0.1	0.6	3.1	0.6	-	-0.1	0.9	-0.4	-0.3	0.5	-	-1.7

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Output data are available from 1990 in table B1

2 Previous estimate refers to estimates from the GDP first quarterly estimate

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

4 For the most accurate figures on construction, please refer to the Construction output in Great Britain release.

# 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 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction <sup>4</sup>	Total Services	Distri- bution, hotels & restaurants	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>												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2017 Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.7	0.1	6.5	0.4	-6.0	2.1	3.5	2.3	4.8	6.2	0.6	1.6
Q2	-1.0	-1.2	1.1	-2.1	1.0	2.0	2.1	1.8	3.0	5.3	0.3	1.4
Q3	-0.5	-2.1	-0.5	-2.5	-2.9	0.8	1.6	1.7	2.0	3.9	0.9	1.8
Q4	-1.3	-1.8	-1.4	-2.7	1.1	1.9	0.5	1.4	1.2	2.0	0.9	1.9
2020 Q1	-0.2	-4.1	-3.4	-5.1	-3.3	3.3	-2.7	-1.4	-4.5	-2.1	0.7	-2.3
<b>Previous estimates<sup>2</sup></b>												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2017 Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.6	0.1	4.9	0.5	-6.5	1.7	4.0	2.3	4.7	6.2	0.6	1.6
Q2	-1.1	-1.6	-0.7	-2.1	-0.2	1.0	1.9	1.8	3.0	5.2	0.3	1.5
Q3	-0.7	-2.2	-1.8	-2.5	-3.3	0.8	1.7	1.7	2.0	3.8	0.9	1.8
Q4	-1.3	-2.1	-3.1	-2.7	-0.6	2.0	1.7	1.4	1.2	2.2	0.8	2.0
2020 Q1	-0.4	-4.9	-6.7	-6.0	-4.4	4.0	-3.0	-1.0	-4.2	-2.5	0.7	-0.5
<b>Revisions</b>												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2017 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	-0.1	-	1.6	-0.1	0.5	0.4	-0.5	-	0.1	-	-	-
Q2	0.1	0.4	1.8	-	1.2	1.0	0.2	-	-	0.1	-	-0.1
Q3	0.2	0.1	1.3	-	0.4	-	-0.1	-	-	0.1	-	-
Q4	-	0.3	1.7	-	1.7	-0.1	-1.2	-	-	-0.2	0.1	-0.1
2020 Q1	0.2	0.8	3.3	0.9	1.1	-0.7	0.3	-0.4	-0.3	0.4	-	-1.8

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Output data are available from 1990 in table B1

2 Previous estimate refers to estimates from the GDP first quarterly estimate

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

4 For the most accurate figures on construction, please refer to the Construction output in Great Britain release.

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

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure				Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	less Total imports
	Households	Non-profit institutions <sup>3</sup>	General government						
Percentage change, latest year on previous year									
Current estimates <sup>4</sup>									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5	
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0	
2019	1.0	-1.1	3.4	1.5	0.7	0.8	5.0	4.6	
Previous estimates <sup>2</sup>									
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK	
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5	
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0	
2019	1.1	-0.8	3.5	1.6	0.6	0.6	4.8	4.6	
Revisions									
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A	
2017	-	-	-	-	-	-	-	-	
2018	-	-	-	-	-	-	-	-	
2019	-0.1	-0.3	-0.1	-0.1	0.1	0.2	0.2	-	
Percentage change, latest quarter on previous quarter									
Current estimates <sup>4</sup>									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6	
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0	
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3	
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6	
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8	
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9	
2019 Q1	0.2	-0.1	0.5	18.4	1.2	1.1	1.9	9.6	
Q2	0.4	-1.2	1.8	-16.8	-0.6	0.6	-2.6	-10.6	
Q3	0.1	0.5	0.2	-5.2	0.6	0.8	6.1	2.1	
Q4	-0.1	-0.9	0.6	-9.1	-1.4	-0.3	4.4	-0.1	
2020 Q1	-2.9	-2.8	-4.1	13.0	-1.1	-0.3	-13.5	-9.4	
Previous estimates <sup>2</sup>									
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268	
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6	
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0	
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3	
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6	
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8	
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9	
2019 Q1	0.1	0.1	1.1	18.2	1.0	1.1	1.8	9.3	
Q2	0.5	-1.1	1.1	-15.9	-0.5	0.5	-3.5	-10.7	
Q3	0.2	0.5	-	-5.5	0.5	0.7	7.0	2.3	
Q4	-	-0.7	1.5	-10.5	-1.2	-0.5	5.0	0.4	
2020 Q1	-1.7	0.8	-2.6	10.1	-1.0	-	-10.8	-5.3	
Revisions									
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S	
2017 Q3	-	-	-	-	-	-	-	-	
Q4	-	-	-	-	-	-	-	-	
2018 Q1	-	-	-	-	-	-	-	-	
Q2	-	-	-	-	-	-	-	-	
Q3	-	-	-	-	-	-	-	-	
Q4	-	-	-	-	-	-	-	-	
2019 Q1	0.1	-0.2	-0.6	0.2	0.2	-	0.1	0.3	
Q2	-0.1	-0.1	0.7	-0.9	-0.1	0.1	0.9	0.1	
Q3	-0.1	-	0.2	0.3	0.1	0.1	-0.9	-0.2	
Q4	-0.1	-0.2	-0.9	1.4	-0.2	0.2	-0.6	-0.5	
2020 Q1	-1.2	-3.6	-1.5	2.9	-0.1	-0.3	-2.7	-4.1	

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Non-profit institutions serving households

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



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

continued

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							
	House-holds	Non-prof-it institutions <sup>3</sup>	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>								
<b>Current estimates<sup>4</sup></b>								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2
Q2	1.7	-0.2	—	2.0	-0.7	-1.2	-0.4	0.5
Q3	1.8	0.2	0.3	0.5	—	-2.4	0.9	0.7
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6
2019 Q1	1.4	-0.8	2.4	23.9	1.2	-1.2	3.7	14.3
Q2	1.2	-1.1	4.3	0.6	0.8	0.3	1.3	1.6
Q3	0.9	-0.7	3.9	-2.7	1.0	2.0	5.0	2.9
Q4	0.7	-1.6	3.1	-15.1	-0.3	2.3	10.0	-0.1
2020 Q1	-2.5	-4.3	-1.6	-19.0	-2.5	0.8	-6.6	-17.4
<b>Previous estimates<sup>2</sup></b>								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2
Q2	1.7	-0.2	—	2.0	-0.7	-1.2	-0.4	0.5
Q3	1.8	0.2	0.3	0.5	—	-2.4	0.9	0.7
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6
2019 Q1	1.3	-0.6	2.9	23.7	1.0	-1.2	3.6	14.1
Q2	1.3	-0.9	4.1	1.5	0.7	0.1	0.3	1.3
Q3	1.1	-0.5	3.5	-2.1	0.8	1.7	4.9	2.8
Q4	0.9	-1.2	3.6	-16.0	-0.3	1.8	10.4	0.3
2020 Q1	-1.0	-0.6	-0.1	-21.7	-2.3	0.7	-3.2	-13.1
<b>Revisions</b>								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2017 Q3	—	—	—	—	—	—	—	—
Q4	—	—	—	—	—	—	—	—
2018 Q1	—	—	—	—	—	—	—	—
Q2	—	—	—	—	—	—	—	—
Q3	—	—	—	—	—	—	—	—
Q4	—	—	—	—	—	—	—	—
2019 Q1	0.1	-0.2	-0.5	0.2	0.2	—	0.1	0.2
Q2	-0.1	-0.2	0.2	-0.9	0.1	0.2	1.0	0.3
Q3	-0.2	-0.2	0.4	-0.6	0.2	0.3	0.1	0.1
Q4	-0.2	-0.4	-0.5	0.9	—	0.5	-0.4	-0.4
2020 Q1	-1.5	-3.7	-1.5	2.7	-0.2	0.1	-3.4	-4.3

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Non-profit institutions serving households

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

# AG Annex G - Income components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Current Prices

Seasonally adjusted data

	Compensation 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>Current estimates<sup>3</sup></b>				
	KGI3	KH4V	KH6T	KH65
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.5	1.6	3.4	1.5
<b>Previous estimates<sup>2</sup></b>				
	A2CT	A2CU	A2CV	A2CW
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.4	0.5	3.0	2.2
<b>Revisions</b>				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2017	—	—	—	—
2018	—	—	—	—
2019	0.1	1.1	0.4	-0.7
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI4	KH4W	KH6U	KH66
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.5	3.2	1.8	-0.2
Q2	1.5	-1.6	-0.6	1.2
Q3	1.0	4.0	-0.6	-0.4
Q4	0.8	-2.2	1.3	-0.9
2020 Q1	1.1	-3.4	-0.4	-8.6
<b>Previous estimates<sup>2</sup></b>				
	A2CL	A2CM	A2CN	A2CO
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.5	3.0	1.6	-0.3
Q2	1.6	-2.8	-0.7	1.7
Q3	0.9	3.5	-0.7	-0.1
Q4	0.6	-1.3	0.7	-0.1
2020 Q1	1.6	-2.9	0.2	-13.6
<b>Revisions</b>				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2017 Q3	—	—	—	—
Q4	—	—	—	—
2018 Q1	—	—	—	—
Q2	—	—	—	—
Q3	—	—	—	—
Q4	—	—	—	—
2019 Q1	—	0.2	0.2	0.1
Q2	-0.1	1.2	0.1	-0.5
Q3	0.1	0.5	0.1	-0.3
Q4	0.2	-0.9	0.6	-0.8
2020 Q1	-0.5	-0.5	-0.6	5.0

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

2 Previous estimate refers to estimates from the GDP first quarterly estimate

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

# AG Annex G - Income components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Current Prices

continued Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI5	KH4X	KH6V	KH67
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.3	0.2	6.0	4.9
Q2	5.1	0.4	3.7	0.5
Q3	4.5	2.6	2.2	1.1
Q4	3.9	3.4	1.8	-0.2
2020 Q1	4.6	-3.2	-0.3	-8.7
<b>Previous estimates<sup>2</sup></b>				
	A2CP	A2CQ	A2CR	A2CS
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.4	-	5.8	4.9
Q2	5.2	-1.0	3.5	0.9
Q3	4.5	0.7	1.8	1.9
Q4	3.6	2.4	0.9	1.3
2020 Q1	4.8	-3.5	-0.5	-12.3
<b>Revisions</b>				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2017 Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2019 Q1	-0.1	0.2	0.2	-
Q2	-0.1	1.4	0.2	-0.4
Q3	-	1.9	0.4	-0.8
Q4	0.3	1.0	0.9	-1.5
2020 Q1	-0.2	0.3	0.2	3.6

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