

Statistical bulletin

GDP monthly estimate, UK : January 2022

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy.



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1 . Main Points

- Gross domestic product (GDP) bounced back in January 2022, increasing by 0.8% after falling by 0.2% in December 2021, when the Omicron variant of the coronavirus (COVID-19) and Plan B restrictions had a more significant impact; GDP is now 0.8% above its pre-coronavirus level (February 2020).
- All sectors grew in January 2022, with services up 0.8%, production up 0.7% and construction up by 1.1%.
- Output in consumer-facing services grew by 1.7% in the month, mainly driven by a 6.8% increase in food and beverage activities, while all other services also saw growth on the month, by 0.6%.
- Services is now 1.3% above its pre-coronavirus (COVID-19) pandemic level, while construction is 1.4% above and production is 2.0% below. Within services, consumer-facing services are now 6.8% below their pre-coronavirus levels, while all other services are 3.4% above.

2 . Monthly GDP

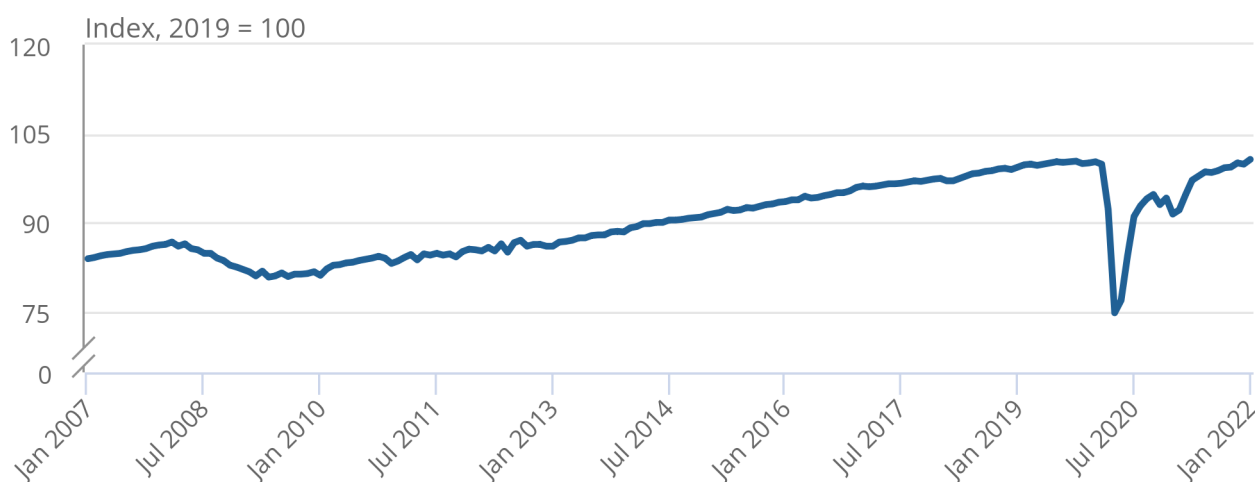
Monthly real gross domestic product (GDP) is estimated to have grown by 0.8% in January 2022, compared with a 0.2% fall in December 2021.

Figure 1: UK gross domestic product (GDP) is estimated to have grown by 0.8% in January 2022, and is now 0.8% above its pre-coronavirus (COVID-19) level

Monthly index, January 2007 to January 2022, UK

Figure 1: UK gross domestic product (GDP) is estimated to have grown by 0.8% in January 2022, and is now 0.8% above its pre-coronavirus (COVID-19) level

Monthly index, January 2007 to January 2022, UK



Source: Source: Office for National Statistics - GDP monthly estimate

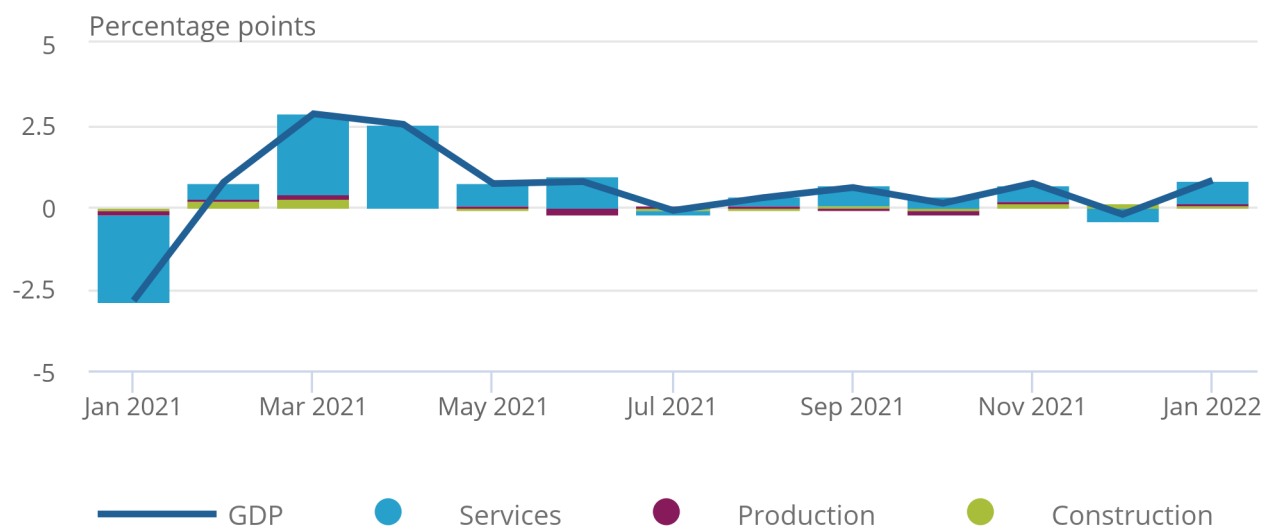
All sectors contributed positively to GDP growth in January 2022. Services were the main driver contributing 0.6 percentage points, with production and construction both contributing 0.1 percentage points (Figure 2).

Figure 2: Services were the main contributor to gross domestic product's (GDP's) 0.8% rise in January 2022

Contributions to monthly GDP growth, January 2021 to January 2022, UK

Figure 2: Services were the main contributor to gross domestic product's (GDP's) 0.8% rise in January 2022

Contributions to monthly GDP growth, January 2021 to January 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Sum of component contributions may not sum to total growth because of rounding.

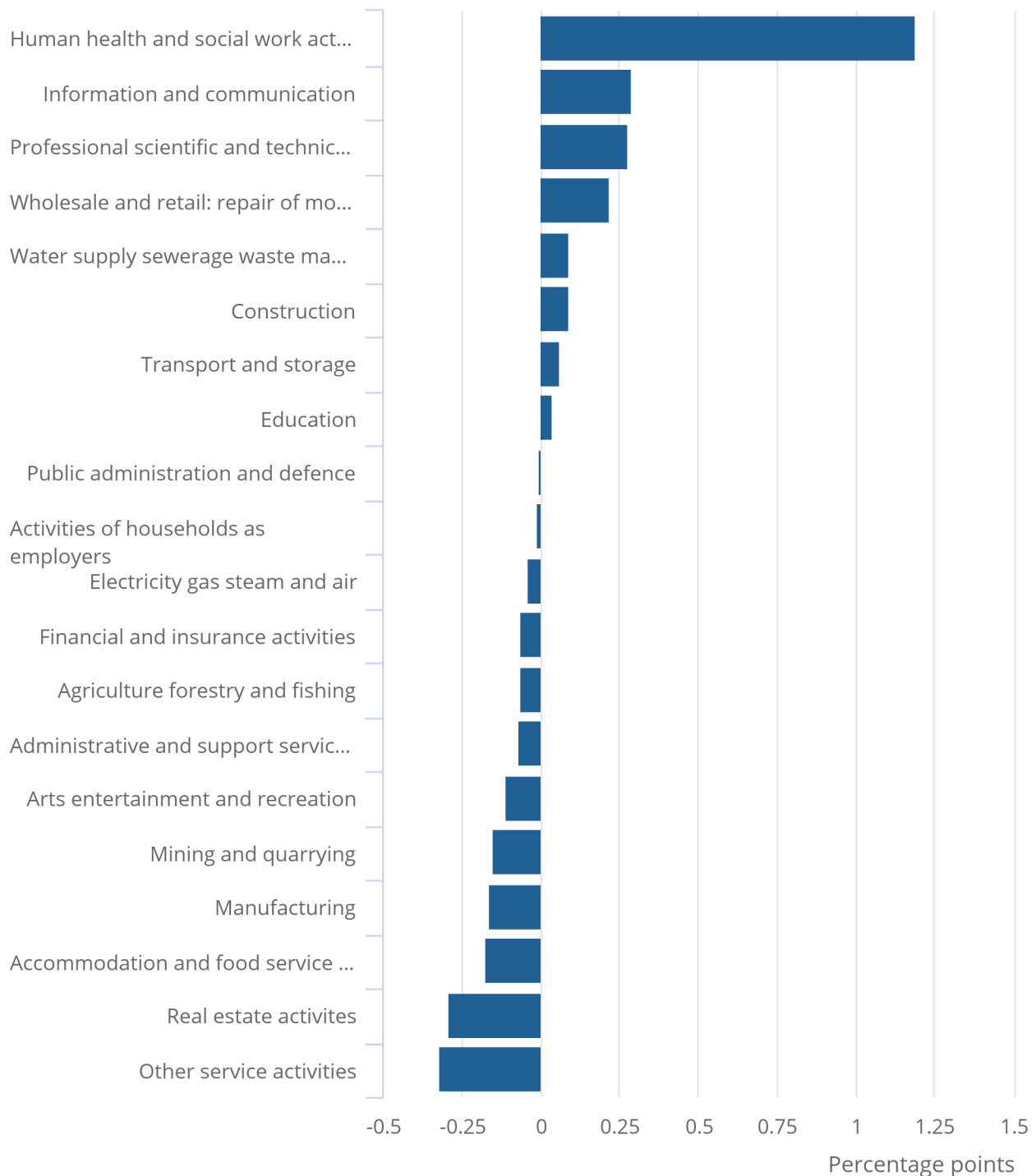
In January 2022, GDP was estimated to be 0.8% above its pre-coronavirus (COVID-19) pandemic level (February 2020). The main contributors to monthly GDP growth between February 2020 and January 2022 were human health and social work activities, information and communication and professional, scientific and technical activities. The largest drivers of negative growth from monthly GDP between February 2020 and January 2022 were other service activities and real estate activities (Figure 3).

Figure 3: Human health and social work activities was the main driver to monthly gross domestic product (GDP) being at 0.8% above pre-coronavirus (COVID-19) levels in January 2022

Contributions to GDP growth between February 2020 and January 2022, UK

Figure 3: Human health and social work activities was the main driver to monthly gross domestic product (GDP) being at 0.8% above pre-coronavirus (COVID-19) levels in January 2022

Contributions to GDP growth between February 2020 and January 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Sum of component contributions may not sum to total growth because of rounding.

GDP grew by 1.1% in the three months to January 2022. Services was the main contributor in the three months to January with a 0.8 percentage point contribution, while production and construction both also contributed positively, by 0.1 and 0.2 percentage points respectively.

More about economy, business and jobs

- All ONS analysis, summarised in our [economy, business and jobs roundup](#).
- Explore the latest trends in employment, prices and trade in our [economic dashboard](#).
- View [all economic data](#).

3 . The services sector

Services output grew by 0.8% in January 2022 and is 1.3% above its pre-coronavirus (COVID-19) pandemic level (February 2020). This followed a 0.5% fall in December 2021.

Wholesale and retail trade grew by 2.5% in January 2022 and was the main contributor to January's growth in services (Figure 4). The main driver of this growth was wholesale trade, which grew by 3.8%, partly reflecting a bounce back following weakness in December because of the impact of the Omicron variant of coronavirus (COVID-19). In particular, there was strength seen in wholesale of other specialised materials, this includes items such as wood, metal and hardware. January 2022 saw this sub-sector's first positive growth since September 2021.

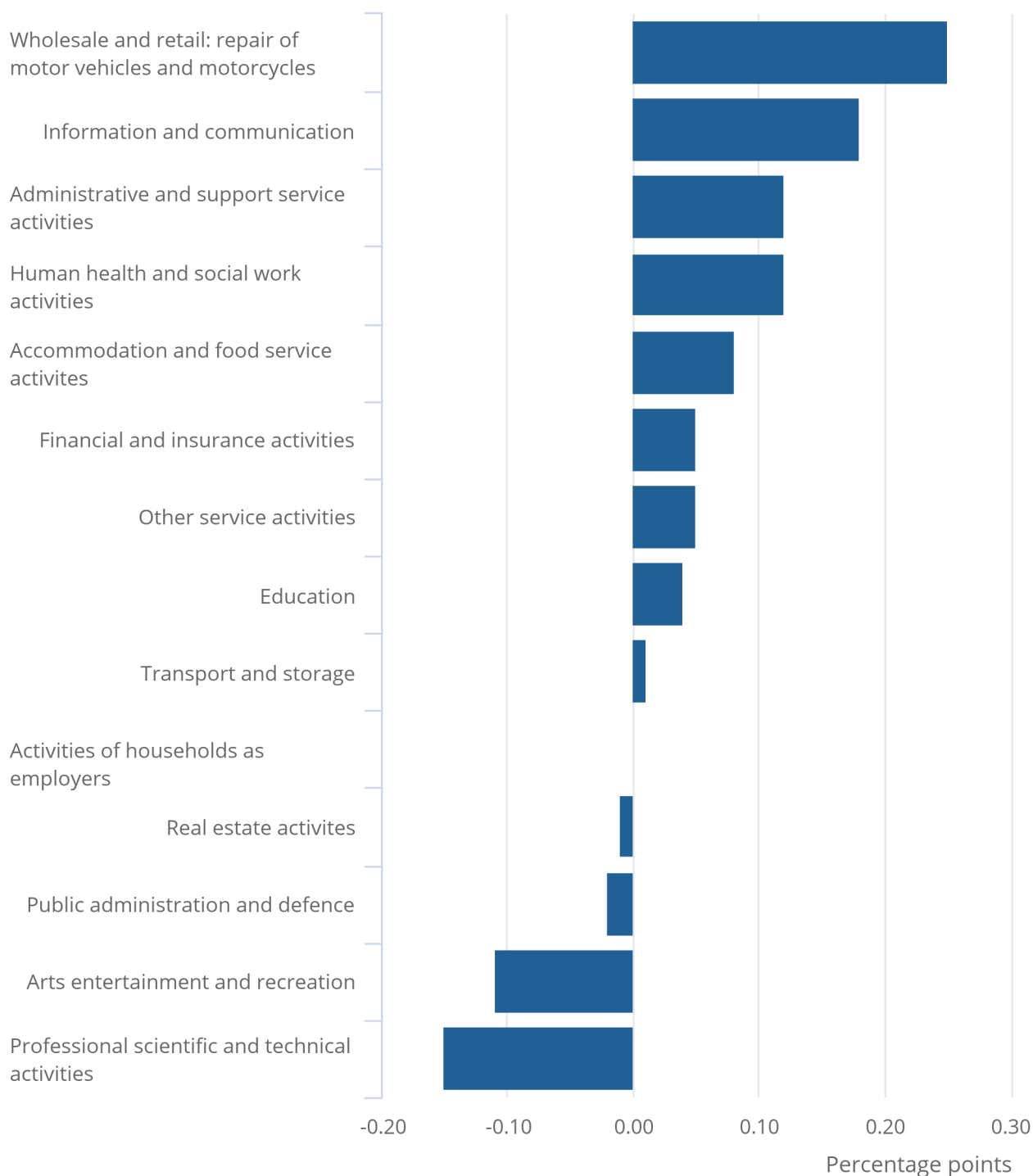
Information and communication was the second largest contributor to the growth in services, which grew by 2.9%. Computer programming, consultancy and related activities grew by 6.5% and motion picture, video and tv programme production, sound recording and music publishing activities grew by 6.7% in January 2022.

Figure 4: Wholesale and retail trade was the main contributor to the growth in services output for January 2022

Monthly services contributions to gross domestic product (GDP), January 2022, UK

Figure 4: Wholesale and retail trade was the main contributor to the growth in services output for January 2022

Monthly services contributions to gross domestic product (GDP), January 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Sum of component contributions may not sum to total services growth because of rounding.

The largest negative contributor to services growth in January 2022 was professional, scientific and technical activities (down 1.9%). Scientific research and development was the main driver of the decrease with partially offsetting upward contributions from other areas of professional activities, including accounting, bookkeeping and auditing activities; and architectural and engineering activities.

At the services sub-sector level in January 2022, 6 of the 14 were above their pre-coronavirus levels, with the largest contribution from human health and social work activities (growing 15.1% from February 2020).

Consumer facing services

Output in consumer-facing services grew by 1.7% in January 2022, following a 0.2% fall in the previous month, reflecting the impact of the Omicron variant. The January increase was mainly driven by a 6.8% growth in food and beverage service activities following a fall of 8.1% in December 2021, and a 1.9% growth in retail trade. More detailed breakdowns on retail trade are available in [Retail sales, Great Britain: January 2022](#).

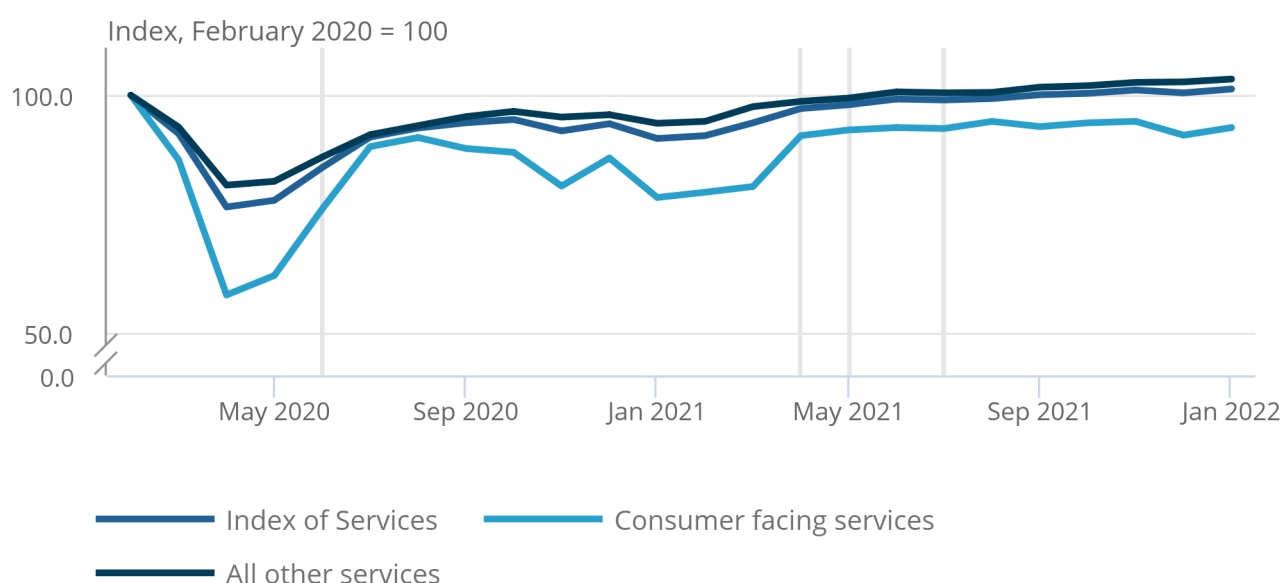
Consumer-facing services were 6.8% below their pre-coronavirus levels (February 2020) in January 2022, while all other services were 3.4% above.

Figure 5: Output in consumer-facing services grew by 1.7% in January 2022 and remains 6.8% below pre-coronavirus (COVID-19) levels

Monthly index of services, February 2020 to January 2022, UK

Figure 5: Output in consumer-facing services grew by 1.7% in January 2022 and remains 6.8% below pre-coronavirus (COVID-19) levels

Monthly index of services, February 2020 to January 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Consumer-facing services refer to retail trade, food and beverage serving activities, travel and transport, and entertainment and recreation (Standard Industrial Classification 2007 codes 45, 47, 49.1-2, 56, 68.1-2, 75, 79, 92, 93, 94, 96 and 97).
2. Vertical grey lines represent (from left to right): Hospitality reopening on 1 June 2020, outdoor hospitality reopening on 12 April 2021, indoor hospitality reopening on 17 May 2021, and social distancing restrictions easing on 19 July 2021.

Overall, services grew by 1.0% in the three months to January 2022 compared with the previous three months (August to October 2021), with positive growth seen in 9 of the 14 services sub-sectors.

More detailed breakdowns on services are available in the [Index of Services, UK: January 2022](#)

NHS Test and Trace services and vaccine programmes

While Human Health grew by 2.0% overall, the [NHS Test and Trace and COVID-19 vaccination programme](#) detracted 0.1 percentage points from GDP growth in January 2022 (Table 1). Increases in the test and trace programme (growing 20%) were offset by a large decrease (falling 73%) in the number of vaccinations, following a drive to administer booster doses in December. All other aspects of Health contributed 0.2 percentage points to the change in GDP in January 2022, with GP appointments rising by 1.9% in January.

Table 1: Volume estimates of NHS Test and Trace increased in January 2022 while vaccination programme estimates decreased
December 2021 to January 2022, England

NHS Test and Trace Vaccine programmes Total			
Dec-21	£2,830m	£1,060m	£3,890m
Jan-22	£3,400m	£290m	£3,690m
Monthly growth	20%	-73%	-5%

Source: Office for National Statistics – GDP monthly estimate

Notes

1. Data are chain volumes in £millions unless labelled otherwise.
2. Growth rates are percentage movements calculated from the unrounded data.
3. These figures are rounded to the nearest £10 million, and the total may not sum because of rounding.

A full record of the volume estimates of NHS Test and Trace, and vaccination programmes along with their contribution to GDP growth can be found in the [accompanying dataset](#).

4 . The production sector

Production output increased by 0.7% in January 2022, primarily driven by 0.8% growth in manufacturing. This follows growth of 0.3% in December 2021.

The growth in manufacturing in January 2022 was widespread with increases in 10 out of the 13 sub-sectors, partially offset by falls of 23.3% in the manufacture of basic pharmaceutical products and pharmaceutical preparations and of 4.5% in the manufacture of transport equipment both of which increased strongly in December 2021.

Electricity, gas, steam and air conditioning supply increased by 1.0% in January 2022, with electric power generation, transmission and distribution increasing by 0.9%. Mining and quarrying grew by 2.0%, driven by extraction of crude petroleum and natural gas (up 1.0%) and other mining and quarrying (up 7.7%). Water supply and sewerage was the only sector to fall in January 2022, with a contraction of 1.5% driven by a 7.1% fall in sewerage.

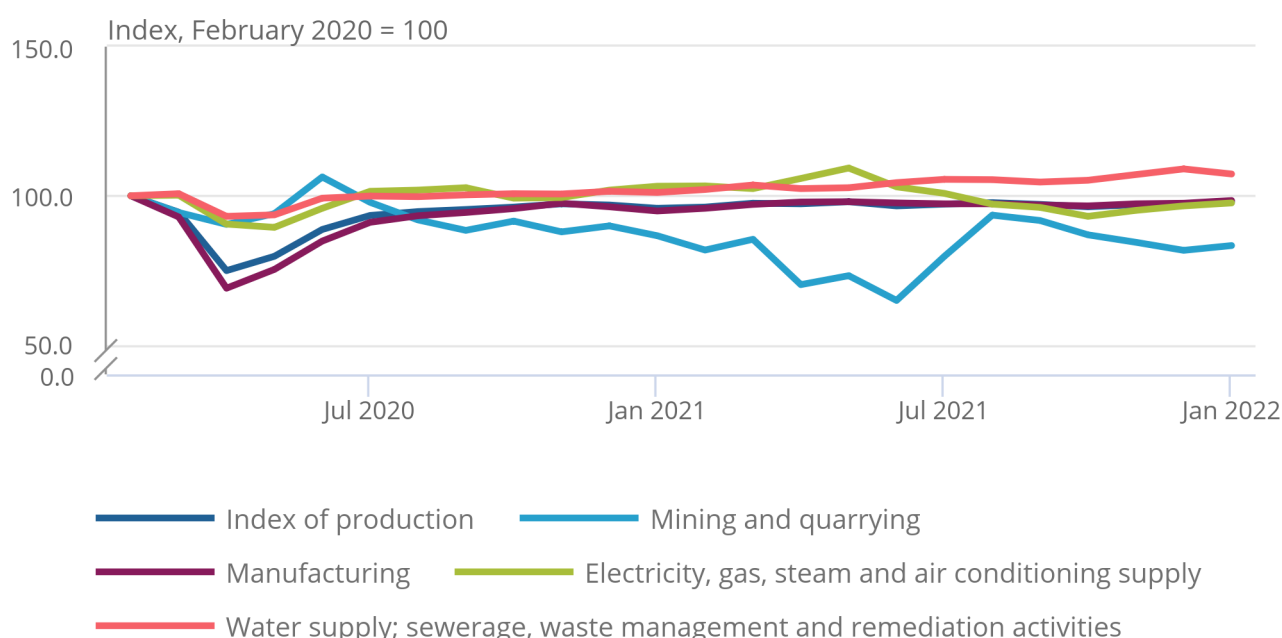
Production was 2.0% below its pre-coronavirus (COVID-19) level (February 2020), with manufacturing as the main driver, sitting 1.6% below the pre-coronavirus level. Water supply and sewerage remains the only production sector above the pre-coronavirus level (7.3%).

Figure 6: Production output increased by 0.7% in January 2022, with manufacturing the largest contributor to this growth

Monthly index, February 2020 to January 2022, UK

Figure 6: Production output increased by 0.7% in January 2022, with manufacturing the largest contributor to this growth

Monthly index, February 2020 to January 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Indexes are rounded to one decimal place.
2. Weights of these sub-sectors are available in the [GDP\(O\) data sources catalogue](#).

Overall, production increased by 0.4% in the three months to January 2022, with growths of 0.8% in manufacturing, 1.0% in electricity, gas, steam and air conditioning supply, and 2.6% in water supply and sewerage. This was partially offset by a decrease of 8.3% in mining and quarrying. More detailed breakdowns on production are available in the [Index of Production, UK: January 2022](#).

5 . The construction sector

Construction output increased 1.1% in January 2022 following an increase of 2.0% in December 2021. This is the third consecutive monthly growth greater than 1.0%.

Construction output was 1.4% above its pre-coronavirus (COVID-19) pandemic level (February 2020) in January 2022 (Figure 7). The level of construction output in January 2022 is at its highest level since September 2019.

The increase in monthly construction output in January 2022 was driven solely from an increase in repair and maintenance (4.6%) while new work saw a decline, decreasing 0.8%.

At the sector level, the main contributors were private housing repair and maintenance and non-housing repair and maintenance, which grew by 5.5% and 5.0% respectively.

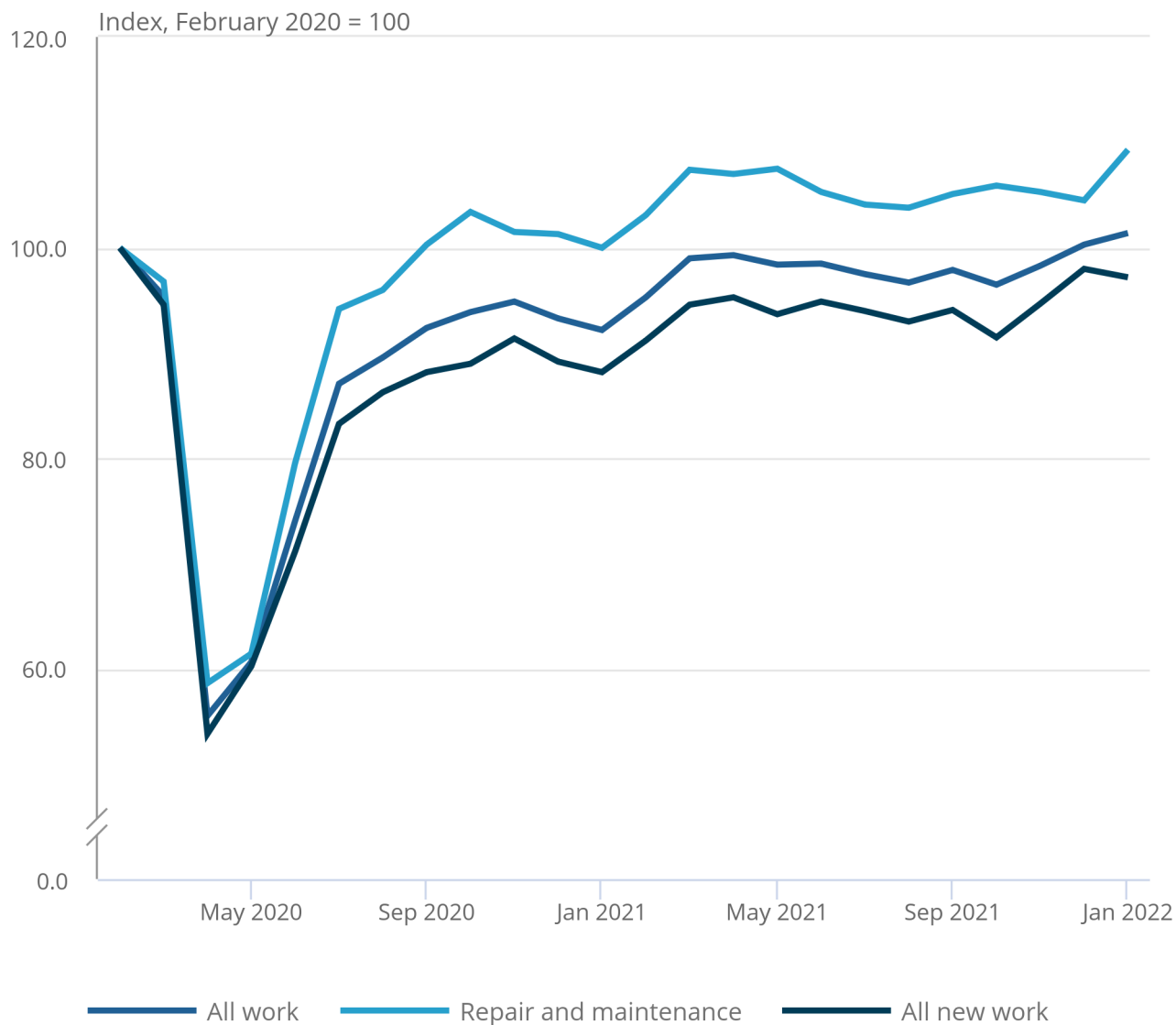
Anecdotal evidence received from both returns received for the [Monthly Business Survey for Construction and Allied Trades](#) and the [Business Insights and Conditions Survey \(BICS\)](#) suggested some of the issues in sourcing construction products in the latter half of 2021 had continued to ease. Along with the easing of supply chain constraints, [new orders in the construction industry](#) continued to perform strongly, growing by 9.2% in Quarter 4 (Oct to Dec) 2021 compared with Quarter 3 (July to Sept) 2021 with all sectors recovering to above their pre-coronavirus level.

Figure 7: Construction output increased by 1.1% in January 2022 and is 1.4% above its pre-coronavirus (COVID-19) level

Monthly index, February 2020 to January 2022

Figure 7: Construction output increased by 1.1% in January 2022 and is 1.4% above its pre-coronavirus (COVID-19) level

Monthly index, February 2020 to January 2022



Source: Office for National Statistics – GDP monthly estimate and Construction output in Great Britain

Notes:

1. Indexes are rounded to one decimal place.
2. Construction indexes in this release may differ slightly, because of rounding, to those published in [Construction output in Great Britain: January 2022](#)

Construction output rose by 3.0% in the three months to January 2022 compared with the previous three months (August to October 2021). This is the strongest growth in the three-month on three-month series since June 2021 (3.4%).

Increases in both new work and repair and maintenance (4.0% and 1.4% respectively) contributed to the growth. At the type of work level, seven of the nine sectors saw an increase, with the largest contributions coming from infrastructure and private new housing (5.2% and 3.4%).

Further detail on construction growth rates can be found in [Construction output in Great Britain: January 2022](#).

6 . Cross-industry themes

There were some common themes that were anecdotally reported to have played a part in performance across different industries, however, it is often difficult to quantify these effects.

Some businesses reported that coronavirus (COVID-19) restrictions had made trading conditions difficult, and that illness related to COVID-19 had caused staff absence, which had also affected turnover.

Businesses also reported that the cost of inputs had increased significantly, with pressures because of the cost of electricity and fuel being cited often. Some businesses also referenced that the cost of labour was an issue for them.

7 . Monthly GDP data

[Monthly gross domestic product by gross value added](#)

Dataset | Released 11 March 2022

The gross value added (GVA) tables showing the monthly and annual growths and indices as published within the monthly gross domestic product (GDP) statistical bulletin.

[Contributions to monthly GDP](#)

Dataset | Released 11 March 2022

Contributions to growth within monthly gross domestic product (GDP), UK.

[Monthly gross domestic product: time series](#)

Dataset MGDGDP | Released 11 March 2022

Monthly estimate of gross domestic product (GDP) containing constant price gross value added (GVA) data for the UK.

[Monthly GDP and main sectors to four decimal places](#)

Dataset | Released 11 March 2022

Monthly index values for monthly gross domestic product (GDP) and the main sectors in the UK to four decimal places.

[Revisions triangles for monthly GDP](#)

Dataset | Released 11 March 2022

Comparison of gross domestic product (GDP) first estimates against estimates published later.

8 . Glossary

Contribution to growth

Contribution to growth indicates how many percentage points a sector or industry is adding or removing from a given growth rate, usually headline gross domestic product (GDP) growth.

Gross domestic product (GDP)

A measure of the economic activity produced by a country or region. 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

Index numbers

Data relative to a given base value, which typically refers to a year.

Rolling three-month growth

Rolling three-month growth takes the average level of three consecutive months (for example, April, May and June), and compares it with the average level of the previous three months (for example, January, February and March). The rolling three-month growth rate is often used alongside the monthly growth rate, as the latter can be more volatile.

For further definitions, please see the [Glossary of economic terms](#).

9 . Measuring the data

This release captures the direct effects of the coronavirus (COVID-19) pandemic and the government measures taken to reduce transmission of the virus.

Early in the pandemic, we faced some challenges in receiving timely responses to the Monthly Business Survey (MBS) as businesses adapted to new conditions. Further information on measuring the data across our main data sources is available in the following releases:

- [Construction output in Great Britain: January 2022](#)
- [Index of Production, UK: January 2022](#)
- [Index of Services, UK: January 2022](#)

There have been large movements in UK gross domestic product (GDP) over the course of the coronavirus pandemic. This is primarily in response to public health restrictions and voluntary social distancing that have been in place over this period. Given the size of these effects, there has been a focus on where the economy is relative to its pre-coronavirus pandemic levels.

In the UK, we produce estimates of monthly and quarterly GDP. However, there are reasons why these would not provide the same estimate as to where the economy is relative to its pre-pandemic levels. This primarily reflects that monthly estimates of GDP are based on only the output measure of GDP, while quarterly estimates of GDP reflect the average of the three approaches (output, income and expenditure).

However, the coronavirus pandemic has brought many [measurement challenges](#) that have created more uncertainty around our three approaches. This has led to an initial divergence between the output and average estimate, which is then reflected in how we compare monthly and quarterly estimates of GDP. Further information is available in [Measuring monthly and quarterly UK gross domestic product during the coronavirus \(COVID-19\) pandemic](#).

Estimates for the construction industry within monthly GDP will differ to those published in the construction output release as they account for both the outputs produced and inputs consumed by the industry. There are also some coverage differences given the use of the Annual Business Survey in their compilation.

Within the monthly GDP publication government data are sourced on a quarterly basis; a monthly forecast is used to estimate data for the monthly round until quarterly data are available. While this is a standard practice with many of our data sources, pre-empting the behaviour of a series during a pandemic, in particular for health and education, comes with more uncertainty than usual so caution is advised when looking at the monthly estimates beyond the latest published quarter.

The Office for National Statistics (ONS) is aware of reclassifications or relocations of companies that may impact these published estimates of GDP and associated breakdowns. The ONS is monitoring the data and will seek to implement any resulting changes into the national accounts as soon as possible.

The next monthly GDP release on 11 April 2022 will see revisions to the periods January 2020 to January 2022 in line with the National Accounts Revision Policy. These revisions will be consistent with the quarterly national accounts release published on 31 March, which will cover the period from Quarter 1 (Jan to Mar) 2020 to Quarter 4 (Oct to Dec) 2021.

10 . Strengths and limitations

This release gives data for January 2022 for the first time and there are no revisions in this release.

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 monthly growth rate for GDP is volatile. It should therefore be used with caution and alongside other measures, such as the three-month growth rate, when looking for an indicator of the medium-term trend of the economy. However, it is useful in highlighting one-off changes that can be masked by three-month growth rates.

The latest comparisons of month on same month a year ago should be treated with caution given the impact of [base effects](#) on growth rates because of the economic impact of the coronavirus (COVID-19) pandemic throughout 2020. Such comparisons and growth rates can nonetheless be found in our [accompanying dataset](#).

Communicating gross domestic product

Recent analysis explains our latest position on [how we are looking to communicate GDP](#), including how we will continue to acknowledge that "technical" recessions comprised at least two consecutive quarters of contracting GDP.

While it is still true that these early estimates are prone to revision, we prefer to focus on the magnitude of the contraction that has taken place following the coronavirus pandemic. It is clear that the contraction in GDP in Quarter 2 (Apr to June) 2020 was the largest recession on record.

11 . Related links

[Construction output in Great Britain: January 2022](#)

Bulletin | Released 11 March 2022

Short-term measures of output by the construction industry in Great Britain and contracts awarded for new construction work in Great Britain.

[Index of Production, UK: January 2022](#)

Bulletin | Released 11 March 2022

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.

[Index of Services, UK: January 2022](#)

Bulletin | Released 11 March 2022

Monthly movements in output for the services industries.

[GDP first quarterly estimate, UK: October to December 2021](#)

Bulletin | Released 11 February 2022

First quarterly estimate of gross domestic product (GDP). Contains current and constant price data on the value of goods and services to indicate the economic performance of the UK.

[Coronavirus and the effects on GDP](#)

Article | Released 6 May 2020

How the global coronavirus (COVID-19) pandemic and the wider containment efforts are expected to impact on UK gross domestic product (GDP) as well as some of the challenges that national statistical institutes are likely to face.

[Measuring monthly and quarterly UK gross domestic product during the coronavirus \(COVID-19\) pandemic](#)

Article | Released 11 November 2021

How we produce monthly and quarterly estimates of UK gross domestic product and why this affects estimating where the economy is relative to its pre-coronavirus (COVID-19) pandemic level.

GVA1

Monthly GDP based on GVA (Gross Value Added) ¹
Chained volume indices of gross value added at basic prices ^{2,3,4,5}

seasonally adjusted 2019=100

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2
	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L2OC	L2OI	L2OX	L2P8	L2PA	L2PC	L2PJ	L2PP	L2PT
2017	96.7	96.8	93.3	94.0	93.3	86.9	100.0	102.2	96.9	101.6	95.0	97.8	82.1	102.2	97.2	99.8	99.6	95.6	90.5	100.6	98.1	97.3	86.6
2018	98.2	86.3	96.6	98.7	97.0	88.6	100.5	100.2	98.5	100.2	98.2	96.7	93.0	101.6	98.8	100.4	98.8	96.6	95.1	99.2	98.5	100.7	94.0
2019	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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	90.8	91.0	91.6	81.0	91.0	97.8	98.3	84.0	91.2	92.4	83.1	87.6	94.9	96.5	99.1	94.4	82.3	102.5	81.9	93.5	74.1	81.4	76.2
2021	97.4	90.6	96.0	70.1	97.3	99.6	103.5	94.6	97.9	99.4	89.9	50.5	98.9	97.9	98.9	102.2	89.2	104.1	92.8	111.2	92.6	79.7	88.4
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2020 Jan	100.3	103.6	98.8	85.3	99.8	100.3	100.3	97.8	100.8	100.4	100.6	102.0	98.2	99.0	100.3	101.1	100.8	101.5	101.7	104.0	101.6	101.1	106.3
Feb	99.9	100.9	98.9	85.8	100.2	99.1	99.1	97.0	100.3	99.0	97.6	102.7	99.7	98.8	100.6	101.3	99.4	101.7	98.1	104.2	100.3	100.7	99.2
Mar	92.3	95.1	93.4	81.1	93.1	99.3	99.7	92.5	92.1	88.6	85.6	69.4	98.7	97.6	100.3	99.5	88.6	101.9	67.4	94.5	83.8	91.8	73.6
Apr	74.9	83.0	74.1	77.6	69.2	89.7	92.2	53.9	76.7	63.6	64.6	9.3	89.3	92.4	98.3	84.0	66.4	102.2	50.3	75.8	54.6	59.5	49.8
May	77.0	83.6	78.8	80.7	75.5	88.6	92.7	58.9	78.1	72.0	67.1	10.7	88.2	93.2	97.9	83.2	66.4	102.4	52.8	77.1	50.7	64.6	44.0
Jun	84.5	85.3	87.8	91.3	85.0	95.0	98.4	71.9	85.0	92.3	76.0	23.0	92.1	94.4	98.0	89.2	76.9	102.6	60.3	84.0	60.9	69.9	51.0
Jul	91.1	87.2	92.4	83.9	91.3	100.6	99.0	84.5	91.4	99.7	80.8	60.2	95.6	95.5	98.6	91.9	79.3	102.7	78.8	91.7	70.5	95.1	70.2
Aug	92.9	89.2	93.6	78.9	93.5	100.9	98.9	87.0	93.3	100.0	82.1	86.5	94.5	96.0	98.8	92.4	80.1	102.9	88.9	93.6	70.1	83.6	86.4
Sep	94.1	91.0	94.4	75.9	94.6	101.7	99.4	89.7	94.4	99.6	84.4	75.4	94.3	97.6	99.1	96.1	81.4	103.0	97.1	97.5	73.6	71.8	89.5
Oct	94.8	91.5	95.2	78.5	95.9	98.3	99.7	91.1	95.1	100.9	85.3	65.1	97.6	98.1	99.1	97.3	83.3	103.1	98.3	100.0	76.4	68.5	83.4
Nov	93.1	91.1	96.2	75.4	97.7	98.4	99.7	92.1	92.7	95.0	85.7	38.8	95.6	97.6	98.9	96.9	81.1	103.0	95.8	99.8	69.7	73.8	79.1
Dec	94.2	89.9	95.9	77.2	96.5	101.0	100.5	90.6	94.3	97.1	88.0	48.4	94.5	97.8	99.2	99.9	83.6	103.3	92.9	99.7	76.8	96.0	82.4
2021 Jan	91.5	88.9	94.7	74.3	95.1	102.3	100.1	89.5	91.1	89.7	83.2	38.7	97.0	98.6	100.0	96.8	82.7	103.8	74.8	101.6	74.3	76.1	86.4
Feb	92.2	88.7	95.2	70.2	96.1	102.3	101.1	92.5	91.7	92.2	84.1	40.4	95.1	99.8	99.3	99.0	82.7	104.1	73.6	102.5	76.1	75.8	86.1
Mar	94.8	88.6	96.4	73.3	97.4	101.5	102.6	96.1	94.5	94.3	86.7	39.8	96.4	99.6	99.2	103.2	86.0	104.4	85.4	110.3	77.1	79.1	79.1
Apr	97.2	90.2	96.2	60.3	98.1	104.8	101.4	96.4	97.5	104.1	86.6	59.7	98.9	98.6	99.0	100.1	85.8	104.4	94.9	109.9	83.8	96.8	90.4
May	97.9	91.0	96.9	62.8	98.2	108.3	101.8	95.5	98.3	104.0	85.8	82.2	99.2	97.0	98.8	99.8	86.8	104.2	97.4	112.9	91.3	77.1	86.4
Jun	98.6	92.2	95.5	55.7	97.9	102.1	103.4	95.6	99.4	103.3	88.4	92.8	98.6	97.1	99.1	103.5	88.3	104.2	98.7	114.2	93.1	77.5	84.6
Jul	98.5	92.2	96.1	68.4	97.5	99.8	104.5	94.6	99.3	102.2	89.1	94.7	100.4	99.5	98.5	100.6	89.2	104.3	99.2	112.3	98.6	78.9	87.9
Aug	98.8	91.2	96.6	80.2	97.5	96.3	104.4	93.8	99.6	101.4	90.4	108.2	100.5	97.4	98.8	101.5	89.8	104.5	98.7	108.3	102.1	78.7	89.2
Sep	99.3	90.9	96.1	78.7	97.1	95.2	103.7	95.0	100.3	99.7	92.5	108.4	98.7	97.4	98.8	105.2	92.0	104.8	97.7	113.6	103.3	78.8	91.6
Oct	99.4	91.0	95.3	74.6	96.9	92.2	104.2	93.6	100.7	101.4	94.5	103.6	99.9	97.5	98.4	103.1	95.4	104.7	97.0	115.2	106.6	78.7	93.4
Nov	100.1	91.1	96.0	72.4	97.6	94.2	106.2	95.4	101.3	101.8	98.4	103.5	100.3	97.4	98.4	106.1	95.9	103.8	98.3	115.6	104.6	79.5	94.4
Dec	99.9	91.5	96.3	70.1	97.8	95.7	108.0	97.3	100.8	98.6	98.9	94.0	101.5	97.4	98.5	107.1	95.8	102.0	98.1	118.4	100.0	79.5	91.0
2022 Jan	100.7	91.9	96.9	71.5	98.6	96.7	106.4	98.4	101.6	101.1	99.2	96.8	104.5	98.0	98.4	105.1	98.1	101.7	98.7	119.9	93.4	82.4	92.8
Percentage change, latest year on previous year																							
	GDPQ	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3E4	L3E8	L3EG	L3EJ	L3EU	L3F2	L3F8	L3FN	L3FW	L3FY	L3G2	L3G9	L3GF	L3GJ
2017	2.2	5.9	0.1	-8.8	1.4	-5.2	0.9	3.8	2.4	2.2	1.7	4.7	4.6	3.4	-0.2	1.6	4.8	3.3	0.0	3.0	6.2	5.8	-1.5
2018	1.6	-10.9	3.5	5.0	3.9	2.0	0.5	-2.0	1.6	-1.4	3.4	-1.1	13.2	-0.5	1.7	0.6	-0.8	1.1	5.1	-1.4	0.5	3.5	8.6
2019	1.8	15.9	3.6	1.3	3.1	12.9	-0.5	-0.1	1.6	-0.2	1.9	3.4	7.5	-1.6	1.2	-0.4	1.2	3.5	5.2	0.8	1.5	-0.6	6.4
2020	-9.2	-9.0	-8.4	-19.0	-9.0	-2.3	-1.7	-16.1	-8.8	-7.7	-16.8	-42.4	-5.1	-3.5	-0.9	-5.6	-17.7	2.5	-18.1	-6.5	-25.9	-18.6	-23.8
2021	7.3	-0.4	4.7	-13.4	6.8	1.8	5.2	12.7	7.4	7.6	8.1	39.7	4.2	1.5	-0.2	8.2	8.4	1.5	13.4	19.0	25.0	-2.1	15.9
Percentage change, latest 3 months on previous 3 months																							

GVA2

Monthly GDP based on GVA (Gross Value Added) ¹
Chained volume indices of gross value added at basic prices ^{2,3,4,5}

seasonally adjusted 2019=100

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ^a	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2

Percentage change, latest 3 months on same 3 months a year ago

	ED9T	ED9U	ED9V	ED9W	EDGQ	EDGR	EDGS	EDGT	EDGU	EDGV	EDGW	EDGX	EDGY	EDGZ	EDHA	EDHB	EDHC	EDHD	EDHE	EDHF	EDHG	EDHH	EDHI
2020 Jan	1.0	21.6	-1.4	-35.7	1.2	12.3	0.1	-2.1	1.5	-0.3	0.2	3.4	1.6	-1.6	0.8	1.3	2.3	3.8	4.8	2.9	2.7	4.1	4.1
Feb	0.7	15.4	-1.9	-33.1	0.6	8.7	0.1	-2.6	1.3	-0.4	-0.4	3.6	0.7	-1.6	0.9	2.0	1.6	3.4	3.0	4.0	1.7	3.6	3.9
Mar	-2.2	9.9	-4.3	-30.7	-3.0	5.7	0.2	-4.6	-1.7	-4.2	-5.2	-8.1	0.1	-1.7	0.7	1.8	-3.4	2.8	-9.2	1.7	-4.5	-0.6	-5.7
Apr	-10.8	1.0	-12.0	-28.1	-12.9	0.6	-2.9	-20.1	-9.9	-16.5	-17.4	-39.1	-3.4	-3.5	-0.1	-4.0	-14.9	2.7	-27.0	-8.0	-20.2	-14.8	-25.3
May	-18.4	-6.5	-18.3	-24.9	-21.0	-5.7	-5.6	-33.0	-17.3	-25.5	-27.5	-69.9	-7.7	-5.2	-1.1	-9.9	-25.9	2.7	-42.6	-17.2	-36.3	-27.0	-44.3
Jun	-21.1	-11.6	-19.5	-14.4	-23.1	-9.7	-6.5	-40.2	-19.9	-24.1	-30.4	-85.6	-10.6	-6.2	-1.9	-13.8	-29.6	2.8	-45.3	-20.9	-44.2	-34.4	-51.8
Jul	-15.9	-12.8	-13.5	-9.6	-16.2	-6.5	-4.3	-29.6	-15.2	-12.0	-25.1	-68.8	-8.9	-5.4	-1.9	-11.7	-25.8	2.8	-36.0	-15.8	-39.0	-22.7	-44.7
Aug	-10.6	-14.2	-8.2	-8.3	-10.0	-1.6	-2.1	-19.3	-10.3	-2.5	-20.2	-43.9	-6.7	-5.0	-1.6	-9.4	-21.5	2.7	-24.1	-10.6	-33.4	-17.1	-30.0
Sep	-7.5	-15.8	-6.1	-15.6	-6.7	1.1	-1.2	-12.3	-7.3	-0.3	-17.8	-26.1	-6.0	-4.3	-1.2	-7.3	-20.2	2.5	-12.0	-6.2	-28.7	-17.1	-16.8
Oct	-6.3	-16.8	-5.2	-16.2	-5.2	-1.1	-0.6	-9.0	-6.2	-0.1	-16.4	-24.1	-5.2	-3.6	-1.1	-6.0	-18.5	2.3	-5.9	-3.4	-26.5	-26.6	-12.7
Nov	-6.2	-17.1	-4.5	-15.8	-3.9	-4.3	0.2	-6.8	-6.4	-1.5	-15.3	-40.1	-4.5	-2.4	-1.1	-4.4	-18.2	2.1	-4.2	-1.4	-26.5	-30.0	-16.5
Dec	-6.1	-16.0	-3.7	-11.7	-3.2	-5.4	0.9	-6.3	-6.4	-2.0	-14.1	-49.5	-4.0	-1.8	-1.1	-3.1	-17.7	1.9	-6.2	-0.6	-26.4	-22.3	-20.5
2021 Jan	-7.2	-15.0	-3.4	-12.0	-3.2	-2.8	0.6	-7.2	-7.8	-5.7	-14.6	-58.7	-3.3	-1.1	-0.9	-3.1	-18.2	2.0	-14.0	-1.3	-27.8	-19.6	-21.1
Feb	-7.5	-13.4	-3.6	-13.4	-4.0	0.7	1.1	-6.8	-8.1	-6.6	-14.3	-58.4	-3.7	-0.3	-0.9	-2.5	-17.4	2.2	-20.2	-1.6	-25.4	-18.5	-17.8
Mar	-4.8	-11.2	-1.6	-13.6	-1.6	2.5	1.6	-3.2	-5.4	-4.1	-10.5	-56.6	-2.8	0.9	-0.9	-1.0	-13.0	2.4	-12.5	3.9	-20.4	-21.4	-9.8
Apr	6.4	-4.1	8.0	-16.7	11.1	7.1	4.8	17.0	5.4	15.7	3.9	-22.8	0.9	3.2	-0.6	6.2	0.0	2.3	17.8	17.5	-0.8	-0.1	14.8
May	18.7	3.1	17.5	-17.9	23.6	13.3	7.4	40.2	17.6	34.9	19.2	103.3	6.6	4.3	0.2	13.7	16.8	2.2	63.0	34.7	33.4	17.2	52.9
Jun	24.2	8.5	19.9	-28.3	28.1	15.3	8.2	55.6	23.1	36.7	25.5	445.3	10.0	4.6	0.9	18.3	24.4	1.8	78.1	42.3	61.4	29.6	80.6
Jul	16.8	7.5	11.4	-26.9	16.6	9.2	6.8	32.7	16.7	17.2	17.5	187.1	8.1	3.0	0.6	15.0	18.7	1.6	53.9	34.3	55.4	1.7	56.7
Aug	10.2	5.3	5.3	-19.6	8.6	0.6	5.5	16.7	10.6	5.1	12.1	74.2	6.1	2.1	0.3	11.7	13.1	1.6	30.1	24.3	45.8	-5.4	26.0
Sep	6.7	2.6	3.0	-4.8	4.6	-3.9	5.2	8.6	7.2	1.3	10.0	40.1	5.3	1.1	-0.2	9.6	12.5	1.6	11.7	18.2	41.9	-5.6	9.2
Oct	5.6	0.5	1.7	0.1	2.6	-5.7	4.8	5.5	6.3	0.7	10.2	41.0	4.5	0.2	-0.4	8.4	13.2	1.6	3.2	15.8	41.8	5.5	5.8
Nov	6.0	-0.2	0.5	-1.8	1.2	-5.6	5.1	4.1	7.1	2.5	11.8	75.9	4.0	-0.4	-0.5	8.3	15.2	1.3	0.6	15.8	43.2	10.7	10.9
Dec	6.1	0.4	0.1	-6.0	0.7	-5.2	6.1	4.6	7.4	3.0	12.7	97.6	4.9	-0.4	-0.6	7.5	15.7	0.3	2.2	16.6	39.7	-0.3	13.8
2022 Jan	7.8	1.7	0.8	-5.6	1.6	-5.0	6.7	6.9	9.2	7.0	15.4	133.6	6.7	-0.4	-1.0	8.4	17.1	-0.8	12.0	17.5	35.0	-1.9	12.2

Percentage change, latest month on previous month

	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2020 Jan	0.2	-0.6	-0.1	0.6	0.3	-3.4	1.3	0.1	0.3	1.3	0.7	-0.2	-1.4	-0.2	0.0	0.2	-0.2	0.0	-1.1	3.5	-1.1	-1.2	1.5
Feb	-0.5	-2.7	0.1	0.6	0.4	-1.3	-1.2	-0.8	-0.5	-1.4	-2.9	0.7	1.6	-0.3	0.2	0.1	-1.4	0.2	-3.6	0.3	-1.2	-0.4	-6.6
Mar	-7.5	-5.7	-5.5	-5.6	-7.1	0.2	0.7	-4.6	-8.1	-10.5	-12.4	-32.5	-1.0	-1.2	-0.2	-1.8	-10.9	0.2	-31.3	-9.3	-16.5	-8.8	-25.8
Apr	-18.9	-12.7	-20.7	-4.2	-25.7	-9.7	-7.5	-41.7	-16.8	-28.3	-24.5	-86.6	-9.5	-5.3	-2.0	-15.5	-25.1	0.3	-25.4	-19.7	-34.8	-35.3	-32.4
May	2.8	0.7	6.4	3.9	9.1	-1.2	0.5	9.2	1.9	13.3	3.9	15.2	-1.3	0.8	-0.4	-1.0	0.1	0.2	4.9	1.6	-7.2	8.7	-11.7
Jun	9.7	2.0	11.3	13.1	12.6	7.2	6.1	22.0	8.8	28.2	13.3	114.5	4.5	1.3	0.1	7.2	15.8	0.2	14.3	9.0	20.1	8.1	16.0
Jul	7.7	2.2	5.3	-8.0	7.4	5.9	0.7	17.6	7.5	8.0	6.2	161.7	3.8	1.2	0.6	3.0	3.2	0.1	30.5	9.2	15.9	36.0	37.7
Aug	2.1	2.3	1.3	-6.0	2.4	0.4	-0.2	2.9	2.1	0.3	1.6	43.7	-1.1	0.5	0.3	0.6	1.0	0.2	12.9	2.1	-0.6	-12.0	23.0
Sep	1.2	2.0	0.8	-3.8	1.2	0.8	0.6	3.1	1.2	-0.4	2.8	-12.9	-0.2	1.6	0.3	4.0	1.6	0.1	9.2	4.1	5.0	-14.1	3.5
Oct	0.8	0.5	0.8	3.4	1.4	-3.4	0.4	1.6	0.7	1.3	1.0	-13.6	3.5	0.6	0.0	1.2	2.3	0.1	1.2	2.6	3.7	-4.6	-6.8
Nov	-1.8	-0.4	1.1	-4.0	1.8	0.2	0.0	1.1	-2.5	-5.8	0.5	-40.4	-2.0	-0.5	-0.2	-0.4	-2.6	-0.1	-2.5	-0.2	-8.8	7.8	-5.1
Dec	1.2	-1.3	-0.4	2.4	-1.2	2.6	0.8	-1.7	1.7	2.2	2.6	24.8	-1.2	0.2	0.3	3.1	3.0	0.3	-3.0	-0.1	10.3	30.0	4.2
2021 Jan	-2.9	-1.2	-1.2	-3.7	-1.5	1.3	-0.4	-1.2	-3.3	-7.6	-5.4	-20.0	2.6	0.8	0.8	-3.2	-1.0	0.4	-19.5	2.0	-3.3	-20.7	4.8
Feb	0.7	-0.2	0.5	-5.5	1.0	0.0	1.0	3.3	0.6	2.8	1.1	4.4	-1.9	1.2	-0.7	2.3	0.0	0.3	-1.5	0.8	2.3	-0.4	-0.4
Mar	2.8	-0.1	1.3	4.4	1.3	-0.9	1.5	3.9	3.0	2.3	3.0	-1.5	1.4	-0.2	-0.1	4.2	4.0	0.4	16.0	7.6	1.3	4.3	-8.2
Apr	2.5	1.8	-0.2	-17.8	0.8	3.3	-1.2	0.3	3.2	10.4	0.0	49.8	2.6	-1.0	-0.2	-3.0	-0.3	0.0	11.2	-0.4	8.7	22.5	14.3
May	0.7	1.0	0.7	4.2	0.1	3.3	0.3	-0.9	0.8	-0.1	-1.0	37.8	0.3	-1.7	-0.2	-0.3	1.2	-0.2	2.6	2.7	9.0	-20.4	-4.4
Jun	0.8	1.2	-1.4	-11.3	-0.4	-5.7	1.6	0.1	1.2	-0.6	3.1	12.9	-0.6	0.1	0.3	3.7	1.8	0.0	1.3	1.2	2.0	0.5	-2.1
Jul	-0.1	0.0	0.6	22.8	-0.4	-2.2	1.1	-1.0	-0.2	-1.1	0.7	2.0	1.8	0.4	-0.6	-2.8	1.0	0.1	0.5	-1.7	5.9	1.8	4.0
Aug	0.3	-1.0	0.5	17.2	0.0	-3.5	-0.1	-0.8	0.3	-0.8	1.5	14.2	0.2	-0.1	0.3	0.9	0.7	0.2	-0.5	-3.6	3.5	-0.3	1.4
Sep	0.6	-0.3	-0.6	-1.9	-0.4	-1.1	-0.7	1.3	0.7	-1.6	2.3	0.2	-1.8	0.0	0.0	3.6	2.5	0.2	-1.0	4.9	1.2	0.2	2.7
Oct	0.1	0.1	-0.8	-5.2	-0.3	-3.2	0.5	-1.5	0.4	1.6	2.1	-4.4	1.3	0.1	-0.3	-2.0	3.6	-0.1	-0.7	1.5	3.2	-0.1	2.0
Nov	0.7	0.1	0.7	-2.9	0.7	2.2	1.9	1.9	0.6	0.5	4.2	-0.2	0.4	-0.1	-0.1	2.9	0.5	-0.8	1.3	0.3	-1.9	0.9	1.0
Dec	-0.2	0.4	0.3	-3.1	0.2	1.6	1.7	2.0	-0.5	-3.2	0.5	-9.2	1.2	0.1	0.1	0.9	-0.1	-1.7	-0.3	2.4	-4.4	0.0	-3.6
2022 Jan	0.8	0.5	0.7	2.0	0.8	1.0	-1.5	1.1	0.8	2.5	0.3	3.0	2.9	0.6	-0.1	-1.9	2.4	-0.3	0.6	1.3	-6.6	3.7	2.0

1 The GVA output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

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

4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

5 A complete run of data is available on the ONS website.

6. The construction growth rates calculated from this release may have small differences to those in [Construction Output in Great Britain](#) releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

Sources: For further information on these data please telephone 01633 582428 or E-mail gdp@ons.gov.uk

GVA3

Monthly GDP based on GVA (Gross Value Added) ¹
Chained volume indices of gross value added at basic prices ^{2,3,4,5}

seasonally adjusted 2019=100

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2
Percentage change, latest month on same month a year ago																							
	ED2R	ED2S	ED2T	ED2U	ED2V	ED2W	ED2X	ED2Y	ED2Z	ED32	ED33	ED34	ED35	ED36	ED37	ED38	ED39	ED3A	ED3B	ED3C	ED3D	ED3E	ED3F
2020 Jan	0.9	16.1	-2.1	-32.2	0.4	4.9	1.2	-2.2	1.6	0.3	0.9	3.0	-0.2	-1.8	0.8	2.9	2.0	3.2	3.9	5.1	2.5	3.9	7.7
Feb	0.1	10.8	-2.2	-28.7	-0.2	6.6	-0.3	-4.5	0.7	-1.3	-2.2	2.9	0.7	-1.4	0.8	2.0	-0.4	2.8	0.2	5.0	0.5	2.2	0.9
Mar	-7.5	3.0	-8.7	-31.0	-8.9	5.5	-0.2	-7.0	-7.4	-11.7	-14.2	-30.2	-0.1	-2.0	0.5	0.6	-11.6	2.6	-31.6	-5.0	-16.3	-7.7	-25.6
Apr	-24.9	-10.7	-25.3	-24.1	-29.9	-9.7	-8.2	-48.0	-23.0	-36.6	-35.7	-90.6	-10.7	-7.1	-1.6	-14.8	-32.9	2.7	-49.2	-23.9	-44.8	-39.2	-50.6
May	-22.9	-11.8	-21.3	-18.7	-24.6	-12.4	-8.3	-42.9	-21.6	-28.2	-32.5	-89.1	-12.1	-6.5	-2.2	-15.6	-33.3	2.8	-47.1	-22.7	-48.2	-34.4	-56.2
Jun	-15.5	-12.3	-11.8	1.3	-14.9	-7.1	-3.1	-29.6	-15.1	-7.5	-23.0	-77.4	-9.1	-5.1	-2.0	-11.1	-22.6	2.8	-39.8	-16.1	-39.7	-29.6	-48.5
Jul	-9.2	-14.3	-7.5	-10.5	-9.0	0.1	-1.5	-15.9	-8.9	-0.2	-19.7	-40.2	-5.6	-4.7	-1.5	-8.5	-21.6	2.7	-21.2	-8.7	-29.1	-4.2	-29.2
Aug	-7.2	-15.9	-5.4	-15.4	-5.9	2.5	-1.8	-12.2	-7.1	0.0	-17.9	-13.6	-5.5	-5.1	-1.2	-8.6	-20.3	2.6	-11.2	-6.9	-31.3	-17.3	-12.1
Sep	-6.2	-17.1	-5.3	-20.9	-5.1	0.7	-0.4	-8.8	-6.0	-0.6	-15.7	-24.4	-6.8	-3.1	-1.1	-4.9	-18.5	2.3	-3.5	-3.0	-25.5	-29.4	-9.0
Oct	-5.6	-17.5	-5.0	-11.9	-4.7	-6.2	0.6	-5.8	-5.5	0.3	-15.7	-34.3	-3.4	-2.5	-1.1	-4.5	-16.7	2.0	-2.8	-0.4	-22.4	-32.9	-16.8
Nov	-6.9	-16.8	-3.1	-14.2	-1.8	-7.1	0.5	-5.8	-7.5	-4.2	-14.6	-61.4	-3.4	-1.5	-1.2	-3.8	-19.3	1.9	-6.1	-0.8	-31.4	-27.8	-23.4
Dec	-5.9	-13.8	-3.0	-9.0	-3.0	-2.8	1.5	-7.2	-6.2	-2.1	-11.9	-52.6	-5.1	-1.4	-1.2	-1.0	-17.3	1.9	-9.6	-0.8	-25.2	-6.3	-21.3
2021 Jan	-8.8	-14.3	-4.1	-12.9	-4.7	1.9	-0.1	-8.4	-9.6	-10.7	-17.3	-62.0	-1.2	-0.4	-0.3	-4.3	-18.0	2.3	-26.4	-2.2	-26.8	-24.8	-18.7
Feb	-7.7	-12.1	-3.8	-18.2	-4.2	3.3	2.1	-4.7	-8.5	-6.9	-13.8	-60.6	-4.6	1.0	-1.3	-2.2	-16.9	2.3	-24.9	-1.7	-24.2	-24.8	-13.2
Mar	2.7	-6.9	3.2	-9.6	4.6	2.2	2.9	3.8	2.6	6.4	1.3	-42.6	-2.3	2.1	-1.1	3.8	-3.0	2.5	26.8	16.8	-8.0	-13.9	7.5
Apr	29.8	8.6	29.8	-22.3	41.8	16.8	10.0	78.7	27.2	63.8	34.1	540.9	10.7	6.7	0.7	19.2	29.3	2.2	88.8	44.9	53.4	62.9	81.6
May	27.0	8.8	22.9	-22.1	30.2	22.2	9.8	62.1	25.8	44.5	27.8	666.6	12.5	4.1	0.9	19.9	30.7	1.8	84.6	46.5	80.2	19.2	96.5
Jun	16.7	8.1	8.8	-38.9	15.1	7.5	5.2	33.0	17.0	11.9	16.3	303.4	7.0	2.9	1.1	16.1	14.9	1.6	63.6	36.0	53.0	10.8	65.9
Jul	8.2	5.7	4.0	-18.5	6.8	-0.7	5.6	12.0	8.6	2.5	10.3	57.3	5.0	2.0	-0.1	9.5	12.4	1.6	26.0	22.5	39.8	-17.0	25.2
Aug	6.3	2.2	3.2	1.7	4.3	-4.6	5.6	7.9	6.7	1.4	10.1	25.0	6.4	1.4	-0.1	9.8	12.1	1.6	11.1	15.7	45.6	-5.9	3.2
Sep	5.6	-0.1	1.8	3.6	2.7	-6.4	4.3	6.0	6.3	0.2	9.6	43.8	4.7	-0.2	-0.3	9.4	13.1	1.7	0.6	16.5	40.3	9.8	2.4
Oct	4.9	-0.5	0.1	-5.0	1.0	-6.2	4.5	2.7	5.9	0.5	10.9	59.1	2.4	-0.7	-0.7	5.9	14.5	1.5	-1.3	15.2	39.7	14.9	12.1
Nov	7.5	0.0	-0.2	-4.0	-0.1	-4.3	6.5	3.6	9.3	7.2	14.8	166.7	4.9	-0.3	-0.6	9.5	18.2	0.7	2.6	15.8	50.2	7.6	19.3
Dec	6.0	1.7	0.4	-9.1	1.3	-5.3	7.4	7.4	6.9	1.6	12.4	94.0	7.4	-0.4	-0.7	7.1	14.6	-1.2	5.5	18.8	30.2	-17.2	10.4
2022 Jan	10.0	3.4	2.3	-3.7	3.6	-5.5	6.2	9.9	11.5	12.8	19.2	149.9	7.7	-0.6	-1.6	8.6	18.6	-2.0	32.0	18.0	25.7	8.3	7.4

1 The GVA output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

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

4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

5 A complete run of data is available on the ONS website.

6 The construction growth rates calculated from this release may have small differences to those in [Construction Output in Great Britain](#) releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

Sources: For further information on these data please telephone 01633 582428 or E-mail gdp@ons.gov.uk

REV1

Monthly GDP based on GVA (Gross Value Added) ¹
Revisions to growth of gross value added at basic prices ²

seasonally adjusted 2019=100

Periods open for revision: None.

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁴	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2
Percentage change, latest 3 months on previous 3 months ³																							
2019 Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percentage change, latest 3 months on same 3 months a year ago ³																							
2019 Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							

1 The GVA output is designated as a National Statistic.

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

3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

4 Monthly data from the construction survey are only available from January 2010, therefore the data prior to this period are derived using statistical methods from the available quarterly data, and should therefore be treated with some caution.

Sources: For further information on these data please telephone 01633 582428 or E-mail gdp@ons.gov.uk

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁴	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2
Percentage change, latest month on previous month ³																							
2019 Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percentage change, latest month on same month a year ago ³																							
2019 Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0						

1 The GVA output is designated as a National Statistic.
2 Estimates cannot be regarded as accurate to the last digit shown.
3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
4 Monthly data from the construction survey are only available from January 2010, therefore the data prior to this period are derived using statistical methods from the available quarterly data, and should therefore be treated with some caution.

Sources: For further information on these data please telephone 01633 582428 or E-mail gdp@ons.gov.uk

CONTRIB 1

Monthly GDP based on GVA (Gross Value Added) ¹
Contributions to growth of gross value added at basic prices ^{2,3,4,5}

seasonally adjusted 2019=100

Section		Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
		Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
		A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights		1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17	2

Contribution to growth, latest 3 months on previous 3 months

		EDMB	EDMC	EDMD	EDME	EDMF	EDMG	EDMH	EDMI	EDMJ	EDMK	EDML	EDMM	EDMN	EDMO	EDMP	EDMQ	EDMR	EDMS	EDMT	EDMU	EDMV	EDMW	EDMX
2020	Jan	-0.12	-0.02	-0.08	-0.07	-0.03	0.03	0.00	-0.02	0.01	-0.07	-0.01	0.06	-0.11	-0.14	0.01	-0.03	0.03	0.03	0.09	0.09	0.03	0.01	0.01
	Feb	-0.13	-0.05	-0.12	-0.06	-0.01	-0.04	0.00	-0.01	0.05	-0.05	-0.05	0.07	-0.08	-0.09	0.03	-0.01	0.02	0.03	-0.03	0.18	0.03	-0.01	0.01
	Mar	-2.67	-0.06	-0.33	-0.03	-0.22	-0.08	0.01	-0.10	-2.17	-0.38	-0.23	-0.27	-0.06	-0.10	0.02	-0.04	-0.21	0.02	-0.77	0.03	-0.09	-0.08	-0.02
	Apr	-11.11	-0.09	-1.39	-0.05	-1.20	-0.11	-0.03	-1.06	-8.57	-1.66	-0.70	-1.21	-0.19	-0.23	-0.07	-0.45	-0.81	0.03	-1.79	-0.77	-0.36	-0.31	-0.06
	May	-18.66	-0.11	-2.29	-0.06	-2.04	-0.13	-0.05	-1.86	-14.41	-2.59	-1.07	-2.13	-0.44	-0.38	-0.21	-0.91	-1.35	0.03	-2.61	-1.54	-0.62	-0.51	-0.09
	Jun	-19.18	-0.11	-2.36	-0.01	-2.15	-0.13	-0.06	-2.25	-14.46	-2.15	-1.03	-2.32	-0.57	-0.43	-0.32	-1.16	-1.38	0.03	-2.10	-1.70	-0.66	-0.59	-0.09
	Jul	-5.43	-0.06	-0.38	0.05	-0.02	-0.03	0.00	-0.68	-4.32	0.50	-0.36	-0.96	-0.28	-0.17	-0.23	-0.57	-0.61	0.03	-0.53	-0.62	-0.34	-0.14	-0.04
	Aug	9.91	0.00	1.54	0.07	1.30	0.12	0.06	0.99	7.38	2.90	0.35	0.97	0.15	0.09	-0.06	0.21	0.31	0.03	1.40	0.68	0.08	0.23	0.03
	Sep	17.59	0.04	2.30	-0.05	2.09	0.19	0.07	2.07	13.18	3.15	0.67	2.23	0.39	0.32	0.13	0.76	0.67	0.03	2.54	1.47	0.33	0.41	0.08
	Oct	11.56	0.04	1.31	-0.10	1.27	0.10	0.04	1.33	8.88	1.51	0.44	1.55	0.26	0.28	0.14	0.64	0.45	0.03	2.17	1.15	0.24	-0.04	0.07
	Nov	5.03	0.03	0.61	-0.10	0.68	0.01	0.01	0.70	3.69	0.13	0.24	0.10	0.12	0.23	0.09	0.47	0.18	0.02	1.40	0.79	0.11	-0.22	0.03
	Dec	1.49	0.01	0.34	-0.03	0.38	-0.03	0.01	0.29	0.85	-0.24	0.17	-0.74	0.07	0.13	0.03	0.37	0.13	0.02	0.47	0.45	0.05	-0.08	0.00
2021	Jan	-1.04	0.00	0.17	-0.02	0.18	0.00	0.01	0.10	-1.33	-0.67	0.07	-1.01	0.01	0.07	0.04	0.20	0.05	0.02	-0.52	0.31	0.00	0.13	-0.01
	Feb	-1.44	-0.01	0.00	-0.02	-0.02	0.04	0.01	-0.01	-1.44	-0.59	0.00	-0.51	-0.02	0.08	0.06	0.14	0.06	0.03	-1.25	0.20	0.04	0.20	0.00
	Mar	-1.29	-0.01	-0.04	-0.04	-0.05	0.04	0.02	0.09	-1.35	-0.60	-0.07	-0.33	0.02	0.13	0.06	0.13	0.06	0.05	-1.33	0.46	0.03	-0.04	0.00
	Apr	1.91	-0.01	0.04	-0.06	0.07	0.04	0.02	0.29	1.59	0.32	0.01	0.14	0.07	0.11	-0.03	0.23	0.13	0.05	-0.24	0.67	0.09	0.04	0.00
	May	4.29	0.01	0.17	-0.07	0.21	0.05	0.02	0.35	3.79	0.86	0.05	0.55	0.17	-0.03	-0.07	0.20	0.17	0.03	0.93	0.92	0.15	0.03	0.00
	Jun	5.44	0.02	0.11	-0.11	0.20	0.05	0.01	0.21	5.15	1.28	0.10	1.17	0.18	-0.15	-0.08	0.12	0.17	0.01	1.45	0.70	0.24	0.12	0.01
	Jul	3.79	0.02	0.03	-0.04	0.07	0.01	0.02	0.02	3.77	0.68	0.08	1.28	0.16	-0.18	-0.05	0.04	0.17	0.00	1.03	0.51	0.26	-0.11	0.00
	Aug	2.07	0.01	-0.05	0.02	-0.03	-0.08	0.03	-0.09	2.23	0.16	0.12	1.10	0.10	-0.09	-0.03	0.06	0.15	0.00	0.46	0.05	0.23	-0.11	0.00
	Sep	0.99	0.00	0.01	0.13	-0.07	-0.12	0.02	-0.08	1.08	-0.28	0.15	0.73	0.06	-0.01	-0.03	0.10	0.17	0.01	0.11	-0.08	0.20	-0.09	0.00
	Oct	0.86	-0.01	-0.03	0.12	-0.07	-0.13	0.01	-0.07	0.97	-0.24	0.19	0.48	0.02	0.02	-0.01	0.15	0.22	0.02	-0.04	-0.07	0.16	0.02	0.01
	Nov	1.02	-0.01	-0.04	0.05	-0.04	-0.08	0.01	0.00	1.09	-0.13	0.23	0.19	-0.01	0.01	-0.03	0.22	0.27	0.01	-0.08	0.28	0.11	0.01	0.01
	Dec	0.97	0.00	-0.06	-0.03	0.00	-0.05	0.02	0.06	0.98	-0.05	0.26	-0.10	0.04	0.00	-0.03	0.22	0.27	-0.05	-0.05	0.44	0.04	0.01	0.01
	2022 Jan	1.07	0.00	0.06	-0.07	0.08	0.02	0.03	0.18	0.83	-0.03	0.26	-0.25	0.14	0.01	-0.03	0.21	0.21	-0.11	0.03	0.44	-0.08	0.03	0.00

Contribution to growth, latest 3 months on same 3 months a year ago

		EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU
2020	Jan	0.95	0.13	-0.19	-0.52	0.12	0.17	0.00	-0.13	1.15	-0.03	0.01	0.10	0.10	-0.13	0.10	0.10	0.12	0.18	0.28	0.22	0.04	0.07	0.01
	Feb	0.71	0.10	-0.26	-0.46	0.06	0.12	0.00	-0.17	1.04	-0.04	-0.02	0.11	0.04	-0.13	0.12	0.15	0.08	0.16	0.18	0.30	0.03	0.06	0.01
	Mar	-2.17	0.06	-0.61	-0.40	-0.30	0.08	0.00	-0.29	-1.33	-0.45	-0.21	-0.24	0.01	-0.14	0.09	0.14	-0.17	0.14	-0.54	0.13	-0.07	-0.01	-0.01
	Apr	-10.77	0.01	-1.66	-0.34	-1.29	0.01	-0.04	-1.31	-7.81	-1.74	-0.70	-1.14	-0.21	-0.29	-0.01	-0.30	-0.76	0.13	-1.58	-0.60	-0.33	-0.25	-0.05
	May	-18.43	-0.04	-2.53	-0.29	-2.10	-0.08	-0.07	-2.16	-13.70	-2.68	-1.10	-2.03	-0.47	-0.42	-0.14	-0.73	-1.31	0.13	-2.51	-1.30	-0.58	-0.46	-0.09
	Jun	-21.10	-0.08	-2.66	-0.15	-2.29	-0.15	-0.08	-2.66	-15.71	-2.53	-1.21	-2.51	-0.66	-0.51	-0.25	-1.02	-1.50	0.13	-2.68	-1.58	-0.71	-0.58	-0.10
	Jul	-15.86	-0.09	-1.85	-0.10	-1.60	-0.10	-0.05	-1.93	-12.00	-1.25	-0.99	-2.03	-0.56	-0.44	-0.25	-0.87	-1.31	0.13	-2.13	-1.20	-0.63	-0.39	-0.09
	Aug	-10.65	-0.10	-1.12	-0.08	-0.99	-0.02	-0.03	-1.24	-8.19	-0.27	-0.80	-1.30	-0.42	-0.41	-0.21	-0.70	-1.10	0.13	-1.43	-0.80	-0.54	-0.29	-0.06
	Sep	-7.53	-0.11	-0.82	-0.16	-0.66	0.02	-0.01	-0.78	-5.81	-0.03	-0.71	-0.77	-0.37	-0.35	-0.16	-0.55	-1.03	0.12	-0.71	-0.47	-0.46	-0.30	-0.03
	Oct	-6.33	-0.13	-0.71	-0.16	-0.52	-0.02	-0.01	-0.56	-4.93	-0.01	-0.66	-0.70	-0.33	-0.29	-0.15	-0.45	-0.94	0.11	-0.35	-0.26	-0.43	-0.46	-0.02
	Nov	-6.22	-0.13	-0.61	-0.15	-0.38	-0.07	0.00	-0.42	-5.05	-0.16	-0.61	-1.17	-0.28	-0.19	-0.14	-0.33	-0.92	0.10	-0.25	-0.11	-0.43	-0.53	-0.03
	Dec	-6.12	-0.12	-0.50	-0.11	-0.32	-0.08	0.01	-0.39	-5.10	-0.21	-0.56	-1.46	-0.25	-0.15	-0.15	-0.23	-0.91	0.09	-0.37	-0.05	-0.43	-0.39	-0.04
2021	Jan	-7.20	-0.10	-0.43	-0.08	-0.30	-0.04	0.01	-0.44	-6.25	-0.57	-0.57	-1.67	-0.20	-0.09	-0.11	-0.23	-0.91	0.10	-1.01	-0.11	-0.46	-0.34	-0.04
	Feb	-7.46	-0.09	-0.46	-0.09	-0.38	0.01	0.01	-0.41	-6.53	-0.66	-0.56	-1.68	-0.22	-0.02	-0.12	-0.19	-0.86	0.11	-1.44	-0.14	-0.42	-0.32	-0.04
	Mar	-4.80	-0.07	-0.21	-0.09	-0.15	0.04	0.02	-0.20	-4.35	-0.41	-0.40	-1.49	-0.17	0.07	-0.12	-0.07	-0.64	0.12	-0.80	0.35	-0.32	-0.36	-0.02
	Apr	6.39	-0.03	1.03	-0.12	1.04	0.11	0.06	0.97	4.39	1.49	0.14	-0.44	0.06	0.28	-0.08	0.49	0.00	0.14	1.01	1.57	-0.01	0.00	0.02
	May	18.66	0.02	2.28	-0.13	2.18	0.22	0.10	2.11	14.23	3.24	0.67	1.06	0.45	0.40	0.02	1.11	0.75	0.14	3.11	3.05	0.42	0.26	0.07
	Jun	24.20	0.06	2.62	-0.23	2.60	0.26	0.11	2.71	18.81	3.58	0.88	2.27	0.69	0.44	0.14	1.48	1.07	0.12	3.82	3.68	0.70	0.41	0.09
	Jul	16.77	0.05	1.51	-0.21	1.58	0.15	0.09	1.74	13.50	1.82	0.61	1.95	0.53	0.27	0.09	1.16	0.82	0.10	2.89	2.98	0.65	0.03	0.07
	Aug	10.19	0.03	0.69	-0.14	0.82	0.01	0.07	0.95	8.56	0.56	0.42	1.32	0.39	0.18	0.05	0.89	0.57	0.09	1.81	2.12	0.56	-0.09	0.04
	Sep	6.67	0.02	0.39	-0.03	0.44	-0.06	0.06	0.50	5.79	0.15	0.35	0.90	0.33	0.09	-0.02	0.72	0.54	0.09	0.79	1.60	0.52	-0.09	0.01
	Oct	5.57	0.00	0.22	0.00	0.25	-0.09	0.06	0.33	5.06	0.07	0.36	0.93	0.27	0.02	-0.05	0.63	0.57	0.09	0.23	1.42	0.53	0.07	0.01
	Nov	5.98	0.00	0.07	-0.01	0.11	-0.09	0.06	0.25	5.73	0.27	0.42	1.35	0.24	-0.03	-0.07	0.63	0.66	0.07	0.05	1.45	0.55	0.14	0.02</

CONTRIB 2 Monthly GDP based on GVA (Gross Value Added) ¹
Contributions to growth of gross value added at basic prices ^{2,3,4,5}

seasonally adjusted 2019=100

Section	Industry sections (SIC2007)																					
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities
	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S
2019 weights	1000	7	137	11	99	15	12	64	792	105	40	29	62	82	131	74	51	48	59	76	16	17

Contribution to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2020	Jan	0.21	0.00	-0.01	0.01	0.03	-0.05	0.01	0.01	0.22	0.13	0.03	-0.01	-0.09	-0.01	0.00	0.01	-0.01	0.00	-0.07	0.26	-0.02	-0.02	0.00
	Feb	-0.48	-0.02	0.02	0.01	0.04	-0.02	-0.01	-0.05	-0.43	-0.15	-0.12	0.02	0.10	-0.02	0.03	0.01	-0.07	0.01	-0.21	0.02	-0.02	-0.01	-0.01
	Mar	-7.53	-0.04	-0.75	-0.05	-0.71	0.00	0.01	-0.29	-6.45	-1.08	-0.48	-0.98	-0.06	-0.10	-0.03	-0.13	-0.55	0.01	-1.82	-0.74	-0.27	-0.15	-0.05
	Apr	-18.90	-0.09	-2.86	-0.04	-2.57	-0.16	-0.10	-2.68	-13.27	-2.83	-0.90	-1.91	-0.63	-0.46	-0.29	-1.25	-1.23	0.02	-1.10	-1.53	-0.51	-0.60	-0.05
	May	2.85	0.01	0.86	0.04	0.83	-0.02	0.01	0.42	1.56	1.18	0.13	0.06	-0.10	0.08	-0.07	-0.08	0.00	0.01	0.20	0.12	-0.08	0.12	-0.02
	Jun	9.71	0.01	1.59	0.15	1.23	0.12	0.09	1.08	7.03	2.76	0.46	0.47	0.32	0.13	0.01	0.58	0.69	0.01	0.58	0.68	0.21	0.12	0.02
	Jul	7.74	0.02	0.75	-0.09	0.74	0.10	0.01	0.96	6.01	0.91	0.22	1.29	0.26	0.11	0.09	0.24	0.15	0.01	1.29	0.69	0.19	0.51	0.04
	Aug	2.05	0.02	0.19	-0.06	0.24	0.01	0.00	0.18	1.68	0.03	0.06	0.85	-0.07	0.04	0.04	0.05	0.05	0.01	0.66	0.16	-0.01	-0.22	0.03
	Sep	1.22	0.01	0.10	-0.03	0.12	0.01	0.01	0.18	0.92	-0.04	0.10	-0.35	-0.01	0.14	0.04	0.30	0.07	0.01	0.52	0.31	0.06	-0.22	0.01
	Oct	0.81	0.00	0.12	0.03	0.14	-0.06	0.00	0.10	0.59	0.14	0.04	-0.32	0.22	0.05	0.01	0.09	0.10	0.01	0.07	0.20	0.05	-0.06	-0.01
	Nov	-1.78	0.00	0.15	-0.04	0.19	0.00	0.00	0.06	-2.00	-0.65	0.02	-0.82	-0.13	-0.04	-0.03	-0.03	-0.12	-0.01	-0.15	-0.02	-0.11	0.10	-0.01
	Dec	1.18	-0.01	-0.05	0.02	-0.12	0.04	0.01	-0.10	1.34	0.23	0.10	0.30	-0.08	0.01	0.04	0.24	0.13	0.01	-0.19	-0.01	0.12	0.41	0.01
2021	Jan	-2.87	-0.01	-0.16	-0.02	-0.14	0.02	0.00	-0.16	-2.66	-0.80	-0.20	-0.29	-0.07	0.16	0.11	-0.25	-0.05	0.02	-1.36	0.18	-0.04	-0.36	0.01
	Feb	0.74	0.00	0.06	-0.03	0.10	0.00	0.01	0.20	0.48	0.28	0.04	0.05	-0.12	0.10	-0.10	0.18	0.00	0.02	-0.09	0.08	0.03	-0.01	0.00
	Mar	2.83	0.00	0.17	0.03	0.13	-0.01	0.02	0.25	2.43	0.24	0.11	-0.02	0.08	-0.01	-0.01	0.34	0.18	0.02	0.90	0.74	0.02	0.06	-0.01
	Apr	2.51	0.01	-0.03	-0.10	0.08	0.05	-0.01	0.02	2.54	1.05	0.00	0.59	0.16	-0.08	-0.03	-0.24	-0.01	0.00	0.71	-0.04	0.12	0.32	0.02
	May	0.70	0.01	0.09	0.02	0.01	0.05	0.00	-0.05	0.66	-0.01	-0.03	0.65	0.02	-0.14	-0.03	-0.03	0.05	-0.01	0.18	0.26	0.13	-0.35	-0.01
	Jun	0.76	0.01	-0.18	-0.05	-0.04	-0.09	0.02	0.00	0.95	-0.07	0.11	0.30	-0.04	0.01	0.04	0.28	0.08	0.00	0.09	0.12	0.03	0.01	0.00
	Jul	-0.12	0.00	0.08	0.10	-0.04	-0.03	0.01	-0.06	-0.14	-0.12	0.02	0.05	0.11	0.03	-0.07	-0.22	0.04	0.01	0.04	-0.17	0.09	0.02	0.01
	Aug	0.27	-0.01	0.07	0.09	0.00	-0.05	0.00	-0.05	0.25	-0.08	0.05	0.38	0.01	-0.01	0.04	0.07	0.03	0.01	-0.03	-0.35	0.06	0.00	0.00
	Sep	0.58	0.00	-0.07	-0.01	-0.03	-0.02	-0.01	0.07	0.59	-0.17	0.08	0.01	-0.11	0.00	0.00	0.28	0.11	0.01	-0.07	0.47	0.02	0.00	0.00
	Oct	0.10	0.00	-0.10	-0.03	-0.03	-0.04	0.01	-0.09	0.31	0.17	0.08	-0.13	0.08	0.01	-0.04	-0.16	0.17	0.00	-0.05	0.14	0.05	0.00	0.00
	Nov	0.71	0.00	0.09	-0.02	0.06	0.03	0.02	0.11	0.50	0.05	0.16	0.00	0.02	-0.01	-0.01	0.23	0.03	-0.04	0.09	0.03	-0.03	0.01	0.00
	Dec	-0.24	0.00	0.04	-0.02	0.02	0.02	0.02	0.12	-0.41	-0.33	0.02	-0.27	0.07	0.00	0.02	0.07	-0.01	-0.09	-0.02	0.24	-0.07	0.00	-0.01
2022	Jan	0.80	0.00	0.09	0.01	0.08	0.02	-0.02	0.07	0.63	0.25	0.01	0.08	0.18	0.05	-0.01	-0.15	0.12	-0.02	0.04	0.12	-0.11	0.05	0.00

Contribution to growth, latest month on same month a year ago

		EDLE	EDLF	EDLG	EDLH	EDLI	EDLJ	EDLK	EDLL	EDLM	EDLN	EDLO	EDLP	EDLQ	EDLR	EDLS	EDLT	EDLU	EDLV	EDLW	EDLX	EDLY	EDLZ	EDMA
2020	Jan	0.95	0.10	-0.29	-0.44	0.04	0.07	0.01	-0.14	1.29	0.03	0.04	0.09	-0.01	-0.15	0.10	0.21	0.10	0.15	0.23	0.39	0.04	0.07	0.01
	Feb	0.07	0.07	-0.30	-0.37	-0.02	0.09	0.00	-0.29	0.59	-0.14	-0.09	0.09	0.04	-0.12	0.11	0.15	-0.02	0.13	0.01	0.38	0.01	0.04	0.00
	Mar	-7.52	0.02	-1.22	-0.39	-0.91	0.08	0.00	-0.45	-5.87	-1.23	-0.56	-0.88	-0.01	-0.16	0.06	0.04	-0.59	0.12	-1.85	-0.38	-0.27	-0.13	-0.05
	Apr	-24.88	-0.07	-3.45	-0.26	-2.94	-0.14	-0.10	-3.20	-18.17	-3.84	-1.43	-2.64	-0.67	-0.58	-0.20	-1.09	-1.66	0.13	-2.89	-1.81	-0.72	-0.66	-0.10
	May	-22.90	-0.08	-2.93	-0.20	-2.44	-0.19	-0.10	-2.84	-17.06	-2.96	-1.29	-2.59	-0.75	-0.53	-0.29	-1.14	-1.69	0.14	-2.78	-1.71	-0.76	-0.59	-0.11
	Jun	-15.54	-0.08	-1.61	0.01	-1.48	-0.11	-0.04	-1.93	-11.92	-0.78	-0.91	-2.32	-0.57	-0.41	-0.27	-0.82	-1.14	0.14	-2.36	-1.22	-0.65	-0.51	-0.09
	Jul	-9.17	-0.10	-1.02	-0.11	-0.89	0.00	-0.02	-1.02	-7.04	-0.02	-0.79	-1.19	-0.35	-0.38	-0.19	-0.63	-1.11	0.13	-1.26	-0.66	-0.47	-0.07	-0.06
	Aug	-7.23	-0.12	-0.73	-0.15	-0.59	0.04	-0.02	-0.77	-5.61	0.00	-0.71	-0.40	-0.34	-0.42	-0.16	-0.64	-1.04	0.13	-0.67	-0.52	-0.51	-0.30	-0.02
	Sep	-6.20	-0.13	-0.72	-0.21	-0.50	0.01	-0.01	-0.55	-4.79	-0.07	-0.62	-0.71	-0.43	-0.25	-0.14	-0.37	-0.94	0.11	-0.21	-0.23	-0.41	-0.51	-0.02
	Oct	-5.57	-0.13	-0.68	-0.11	-0.47	-0.10	0.01	-0.36	-4.40	0.03	-0.63	-0.99	-0.21	-0.21	-0.14	-0.34	-0.84	0.10	-0.17	-0.03	-0.35	-0.58	-0.03
	Nov	-6.89	-0.13	-0.42	-0.13	-0.18	-0.11	0.01	-0.36	-5.98	-0.44	-0.58	-1.82	-0.21	-0.12	-0.15	-0.28	-0.99	0.09	-0.37	-0.06	-0.52	-0.49	-0.05
	Dec	-5.90	-0.10	-0.41	-0.08	-0.30	-0.04	0.02	-0.45	-4.94	-0.22	-0.47	-1.58	-0.32	-0.11	-0.15	-0.08	-0.89	0.09	-0.59	-0.06	-0.42	-0.11	-0.04
2021	Jan	-8.80	-0.09	-0.52	-0.08	-0.44	0.03	0.00	-0.51	-7.71	-1.08	-0.68	-1.77	-0.07	-0.03	-0.04	-0.32	-0.90	0.12	-1.89	-0.20	-0.44	-0.42	-0.04
	Feb	-7.68	-0.08	-0.48	-0.12	-0.40	0.05	0.02	-0.29	-6.88	-0.69	-0.53	-1.75	-0.28	0.08	-0.16	-0.17	-0.83	0.12	-1.73	-0.15	-0.40	-0.43	-0.02
	Mar	2.66	-0.05	0.42	-0.06	0.44	0.03	0.04	0.24	2.05	0.63	0.05	-0.90	-0.15	0.18	-0.15	0.30	-0.14	0.14	1.38	1.49	-0.12	-0.24	0.01
	Apr	29.76	0.06	3.81	-0.18	3.68	0.29	0.14	3.54	22.30	5.48	1.16	1.89	0.77	0.67	0.11	1.60	1.29	0.15	4.22	3.95	0.63	0.85	0.10
	May	27.04	0.06	3.03	-0.18	2.82	0.37	0.13	2.97	20.98	4.21	0.95	2.60	0.87	0.40	0.14	1.60	1.31	0.12	4.10	4.04	0.86	0.27	0.10
	Jun	16.68	0.05	1.19	-0.32	1.45	0.12	0.07	1.75	13.74	1.32	0.58	2.32	0.46	0.26	0.16	1.26	0.67	0.10	3.21	3.11	0.62	0.15	0.08
	Jul	8.17	0.03	0.52	-0.13	0.65	-0.01	0.07	0.69	6.95	0.27	0.36	1.06	0.32	0.17	-0.01	0.71	0.54	0.09	1.59	1.97	0.50	-0.30	0.04
	Aug	6.28	0.01	0.41	0.01	0.41	-0.07	0.07	0.46	5.42	0.15	0.35	0.65	0.39	0.12	-0.01	0.72	0.52	0.09	0.75	1.37	0.56	-0.09	0.01
	Sep	5.60	0.00	0.23	0.02	0.25	-0.10	0.05	0.36	5.05	0.02	0.34	0.98	0.28	-0.02	-0.04	0.72	0.56	0.10	0.05	1.49	0.51	0.13	0.00
	Oct	4.86	0.00	0.01	-0.03	0.10	-0.09	0.05	0.16	4.74	0.05	0.38	1.14	0.15	-0.05	-0.09	0.45	0.63	0.08	-0.09	1.40	0.52	0.18	0.02
	Nov	7.52	0.00	-0.03	-0.02	-0.01	-0.07	0.08	0.22	7.42	0.75	0.54	1.95	0.30	-0.02	-0.07	0.73	0.79	0.04	0.19	1.47	0.61	0.10	0.03
	Dec	6.01	0.01	0.06	-0.06	0.13	-0.08	0.09	0.45	5.55	0.17	0.46	1.36	0.45	-0.03	-0.09	0.56	0.64	-0.07	0.39	1.72	0.40	-0.30	0.02
2022	Jan	10.02	0.02	0.33	-0.03	0.37	-0.11	0.08	0.61	9.06	1.29	0.70	1.82	0.49	-0.05	-0.22	0.68	0.85	-0.12	1.70	1.57	0.34	0.12	0.01