

Statistical bulletin

# GDP monthly estimate, UK: October 2023

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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## Correction

**13 December 2023 08:00**

We have corrected an error in the services section text under Figure 3. The previous version read: "The main driver to the 0.3% fall in the services output" and this has been corrected to "The main driver to the 0.2% fall in the services output". This happened because of a human error, with the number missed in quality assurance.

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# 1 . Main points

- Monthly real gross domestic product (GDP) is estimated to have shown no growth in the three months to October 2023, compared with the three months to July 2023.
- Monthly GDP is estimated to have fallen by 0.3% in October 2023, following growth of 0.2% in September 2023.
- Services output fell by 0.2% in October 2023, driven by a fall in information and communication, and was the main contributor to the fall in growth in GDP; this follows growth of 0.2% in September 2023.
- Production output fell by 0.8% in October 2023, driven by widespread declines in manufacturing, after showing no growth in September 2023.
- The construction sector fell by 0.5% in October 2023 after growth of 0.4% in September 2023.

## 2 . Monthly GDP

Monthly real gross domestic product (GDP) is estimated to have shown no growth in the three months to October 2023 when compared with the three months to July 2023. Services output grew by 0.1%, production output fell by 0.7% and construction fell by 0.3% over the same period.

Monthly GDP is estimated to have fallen by 0.3% in October 2023, following growth of 0.2% in September 2023.

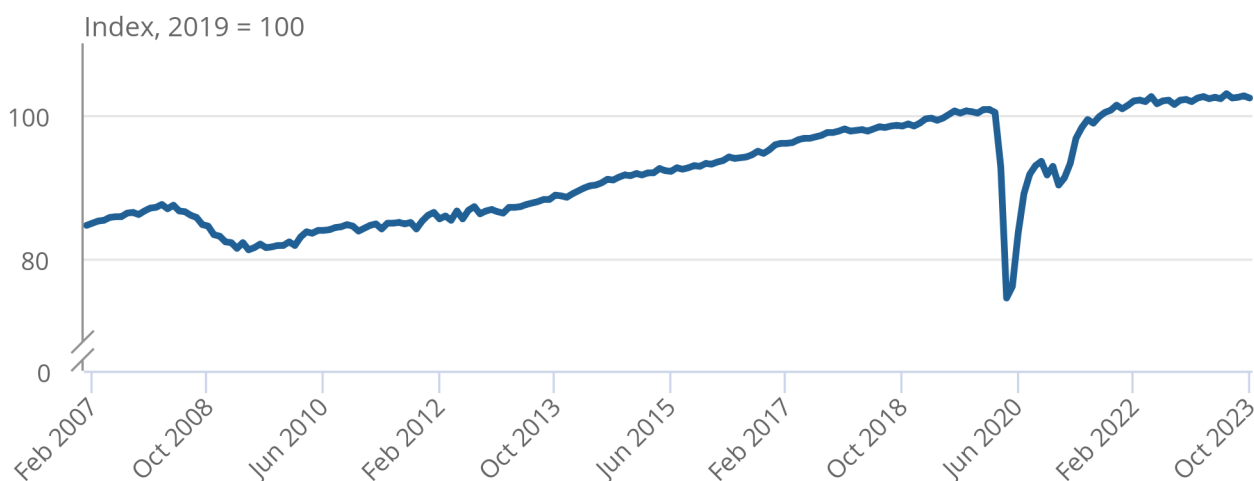
This release provides data for October 2023 for the first time and no earlier periods are open for revision.

### Figure 1: UK GDP is estimated to have fallen by 0.3% in October 2023

Monthly index, January 2007 to October 2023, UK

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Monthly index, January 2007 to October 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

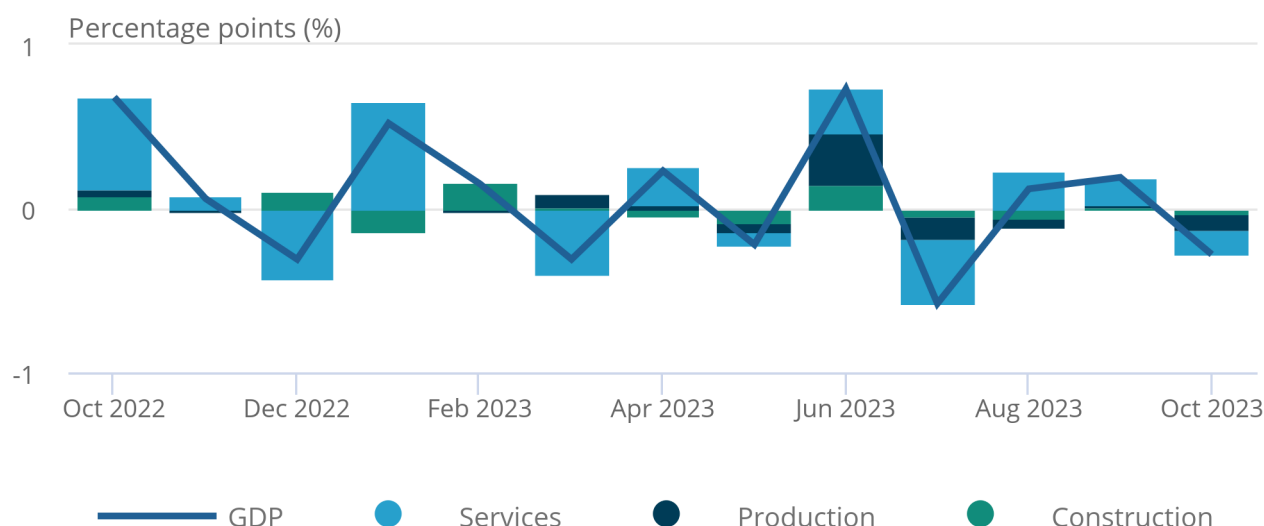
Output in the services sector fell by 0.2% in October 2023 and was the largest contributing sector to the contraction in monthly GDP. Production and construction output both fell on the month, by 0.8% and 0.5%, respectively.

**Figure 2: The services sector was the main contributor to the 0.3% fall in GDP in October 2023**

Contributions to monthly GDP growth, October 2022 to October 2023, UK

## Figure 2: The services sector was the main contributor to the 0.3% fall in GDP in October 2023

Contributions to monthly GDP growth, October 2022 to October 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

### Notes:

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

Monthly GDP grew by 0.3% in October 2023 compared with the same month last year. For comparison, monthly GDP grew by 1.3% between September 2022 and September 2023. In September 2022, there was an additional bank holiday for the State Funeral of Her Majesty Queen Elizabeth II and many businesses closed or operated differently on this day. This should be considered when interpreting seasonally adjusted movements involving September 2022.

### 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**

Overall, the services sector is estimated to have grown by 0.1% in the three months to October 2023 compared with the three months to July 2023. The largest contributors to the growth in services over the three months were professional, scientific and technical activities and education, which grew by 1.2% and 1.1%, respectively.

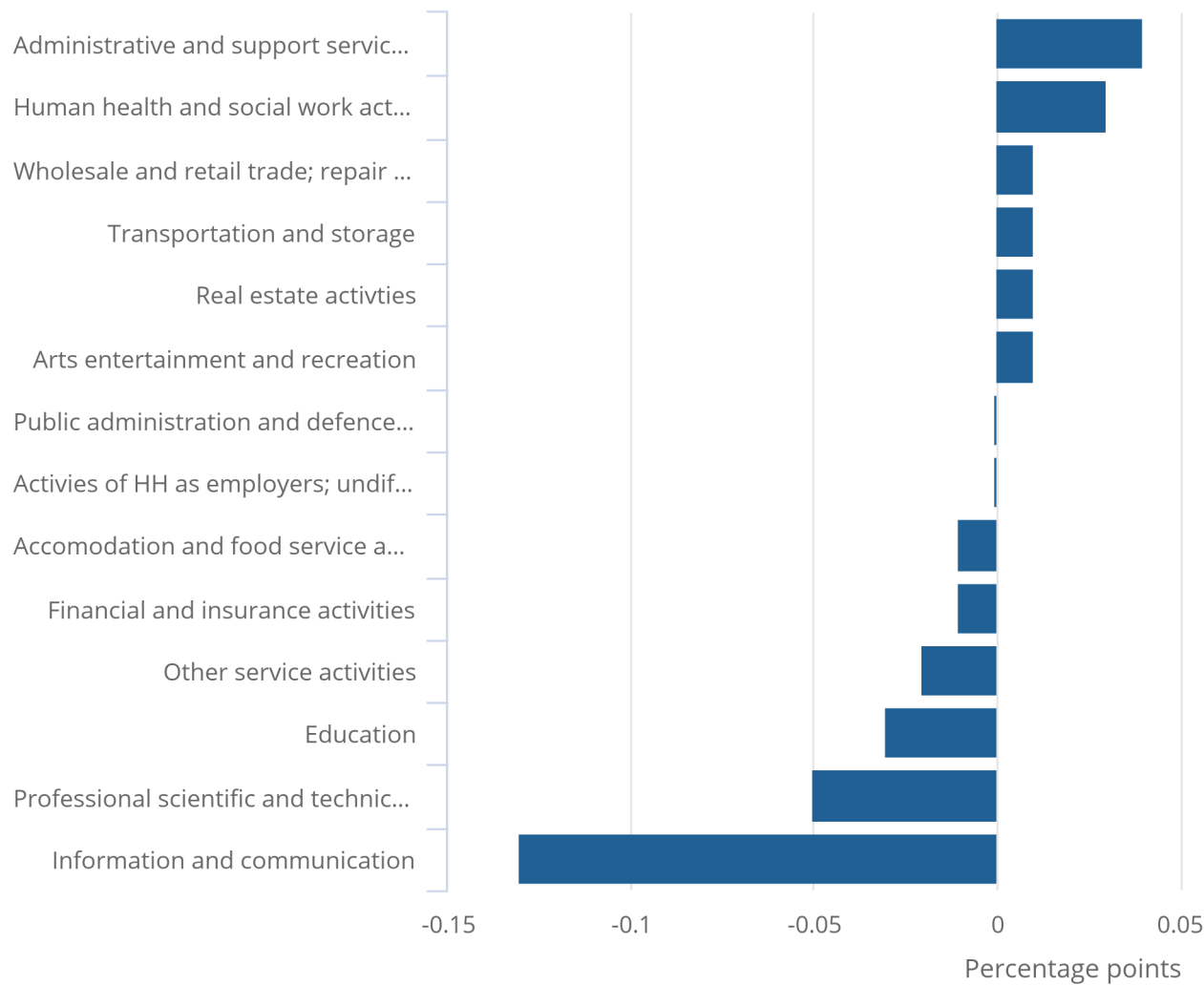
On the month, services output is estimated to have fallen by 0.2% in October 2023 following growth of 0.2% in September 2023. Figure 3 shows the monthly contributions from the services sector to gross domestic product (GDP) in October 2023.

**Figure 3: Information and communication was the largest contributor to the 0.2% fall in services output in October 2023**

Monthly services contributions to GDP, October 2023

Figure 3: Information and communication was the largest contributor to the 0.2% fall in services output in October 2023

Monthly services contributions to GDP, October 2023



Source: GDP monthly estimate from the Office for National Statistics

Notes:

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

The main driver to the 0.2% fall in the services output was information and communication, which fell by 1.7% in October 2023, following growth of 0.4% in September. Looking at the three months to October 2023, compared with the three months to July 2023, information and communication saw a fall of 0.3%.

Five of the six industries in the information and communication subsection fell in October 2023, with the largest contributions coming from computer programming, consultancy and related activities, as well as motion picture, video and TV production.

Professional, scientific and technical activities fell by 0.7%, with falls in five out of the eight industries. Legal activities was the largest contributing industry, falling by 2.8% in October 2023.

These falls were partially offset by growth in administrative and support service activities, which grew by 0.7% in October 2023. This was driven by growth of 1.4% in rental and leasing activities.

Human health and social activities work grew by 0.4% in October 2023, driven by a growth of 0.5% in human health activities. There were three days of coordinated industrial action by junior and senior doctors in October 2023, where [NHS England news](#) reported that 118,026 appointments were rescheduled. This is less than the four days of strikes in September 2023, where another [NHS England news article](#) reported that 129,913 appointments were rescheduled. The number of coronavirus (COVID-19) vaccinations also increased in October 2023 compared with the previous month, as the latest vaccination campaign peaked.

An overview of data sources used in our estimates of service output can be found in our [data sources catalogue](#). The monthly business survey (MBS) is used for 42.9% of the services sector by industry weight. In October 2023, the turnover response rate for the MBS element of the services sector was 85.6%. We would expect this to increase over time as more responses are received and any new data will be included in future monthly GDP releases. For context, the average turnover response rate for the service sector in 2022 now stands at 97.0%.



## Consumer-facing services

Output in consumer-facing services fell by 0.1% in October 2023, and remains 5.0% below pre-coronavirus pandemic levels (February 2020), while all other services were 7.2% above (Figure 4). The largest negative contributions in October 2023 came from other personal service activities, which fell by 2.3%.

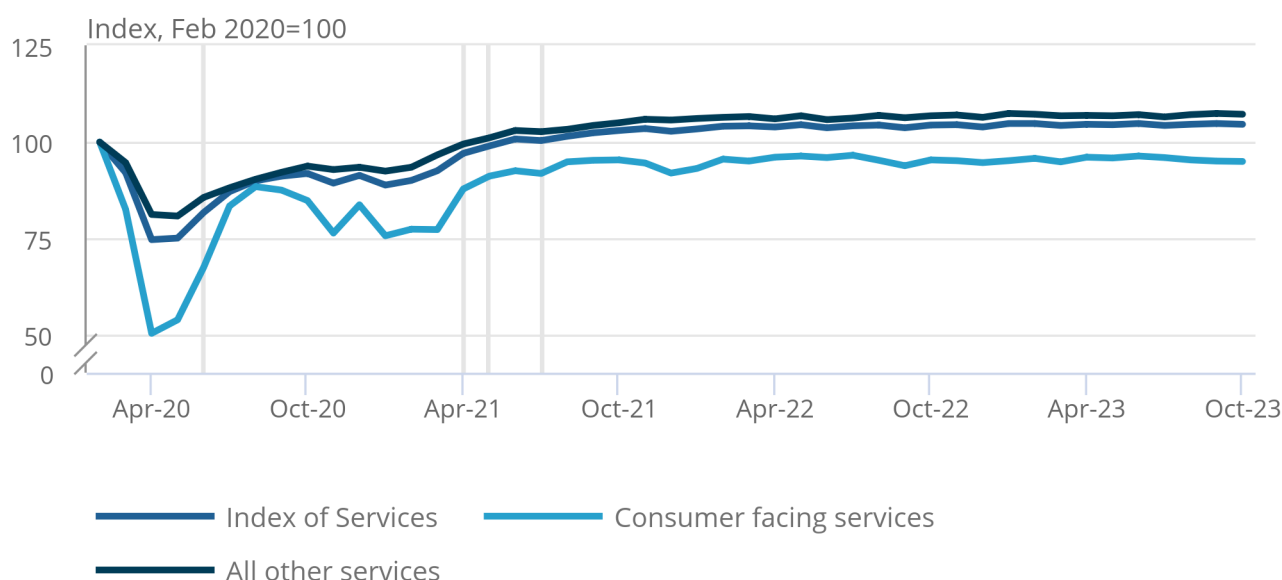
The largest positive contributions to consumer-facing services in October 2023 came from wholesale and retail trade and repair of motor vehicles and motorcycles, which grew by 2.2% on the month.

**Figure 4: Output in consumer-facing services fell by 0.1% in October 2023 and remains 5.0% below pre-coronavirus (COVID-19) pandemic levels**

Monthly index of services, February 2020 to October 2023 UK

Figure 4: Output in consumer-facing services fell by 0.1% in October 2023 and remains 5.0% below pre-coronavirus (COVID-19) pandemic levels

Monthly index of services, February 2020 to October 2023 UK



Source: GDP monthly estimate from the Office for National Statistics

### Notes:

1. Consumer-facing services refer to a subset of industries within the services sector that are predominantly consumed by households, for example retail trade and food and beverage services. A full list of industries included is provided in [Section 9: Measuring the data](#).
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.

Consumer-facing services were 5.0% below their pre-pandemic levels (February 2020) in October 2023, with 10 of 13 industries lower (Figure 5). Within consumer-facing services, the largest contributor to this lower level in October 2023, compared with February 2020, is buying and selling, renting and operating of own or leased real estate, excluding imputed rent where output is 9.8% lower.

**Figure 5: 10 of 13 consumer-facing service industries remain below their pre-coronavirus (COVID-19) pandemic levels (February 2020) in October 2023**

Monthly consumer-facing services index, January 2019 to October 2023, UK

**Notes:**

1. Condensed industry titles are used for presentation purposes. For full titles, see our Consumer-facing services industry classification subsection in [Section 9: Measuring the data](#).

More detailed breakdowns on services are available in our [Index of Services, UK: October 2023 bulletin](#).

## 4 . The production sector

Production output is estimated to have fallen by 0.7% in the three months to October 2023 compared with the three months to July, driven by a fall of 0.9% in manufacturing. Electricity, gas, steam and air conditioning supply fell by 0.5%, mining and quarrying grew by 1.2% and water supply, sewerage, waste management and remediation activities grew by 0.1% over the same period.

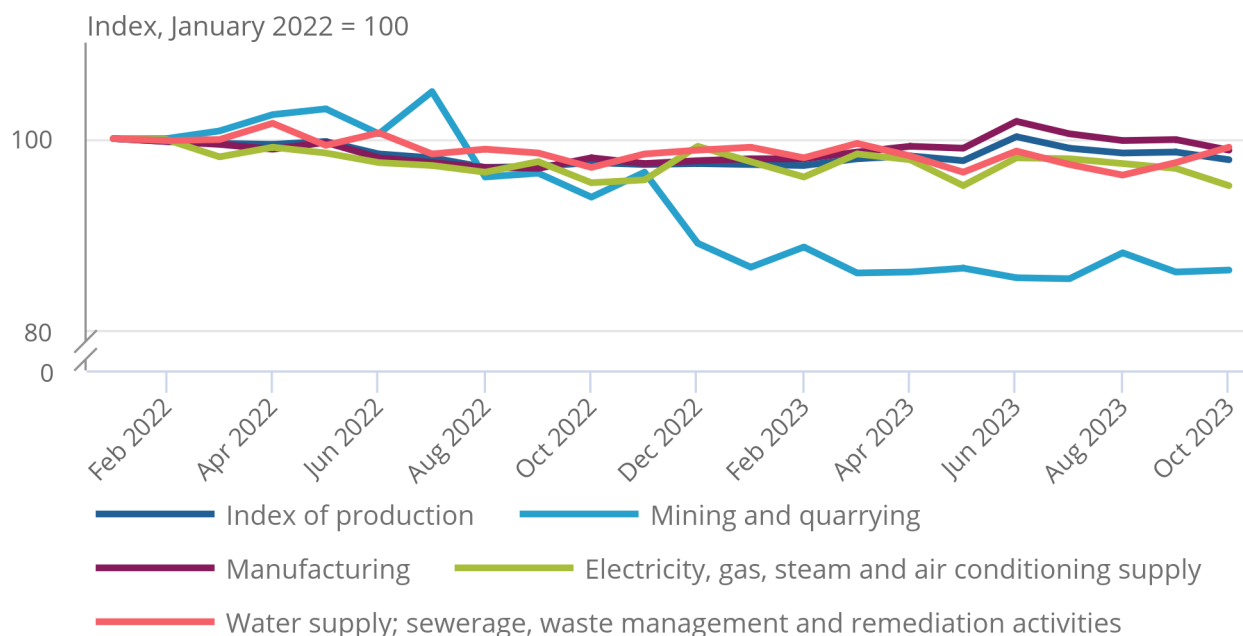
On the month, production output is estimated to have fallen by 0.8% in October 2023, driven by widespread declines in manufacturing output, following no growth in September and a fall of 0.5% in August.

**Figure 6: Production output fell by 0.8% in October 2023**

Monthly index, January 2022 to October 2023, UK

Figure 6: Production output fell by 0.8% in October 2023

Monthly index, January 2022 to October 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

**Notes:**

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

Mining and quarrying output grew by 0.2% in October 2023 after a fall of 2.2% in September 2023. The growth in October was driven by a growth of 3.2% in other mining and quarrying.

Electricity, gas, steam and air conditioning supply fell by 1.8% in October for its fourth consecutive monthly fall in output. This fall was driven by a contraction of 3.2% in the electric power generation, transmission and distribution industry, which has also seen four consecutive monthly falls.

Water supply, sewerage, waste management and remediation activities grew by 1.6% mainly driven by growth of 2.5% in sewerage activities.

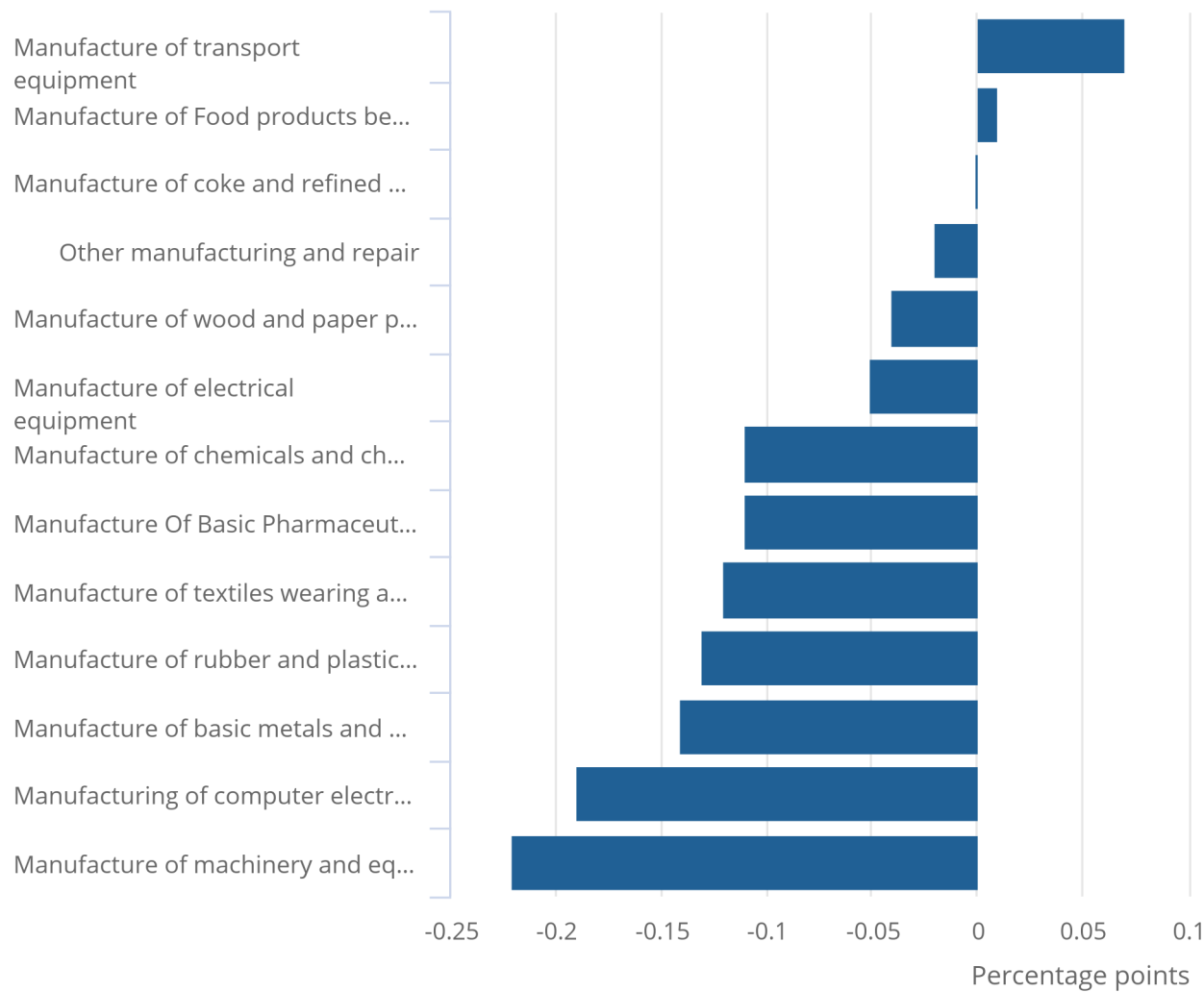
Manufacturing fell by 1.1% in October 2023 with widespread falls in 10 of the 13 subsectors. The largest negative contributions in October came from a 2.5% fall in manufacturing of computer, electronic and optical products, and a 3.0% fall in manufacture of machinery and equipment not elsewhere classified (N.E.C.) in the month. The largest offsetting positive contributor in manufacturing was the manufacture of transport equipment, which grew by 0.4% in October 2023 (Figure 7).

**Figure 7: 10 out of 13 manufacturing sub-sectors contributed negatively to the 1.1% fall in manufacturing output in October 2023**

Monthly manufacturing subsectors contributions to manufacturing, October 2023, UK

Figure 7: 10 out of 13 manufacturing sub-sectors contributed negatively to the 1.1% fall in manufacturing output in October 2023

Monthly manufacturing subsectors contributions to manufacturing, October 2023, UK



Source: GDP monthly estimate from the Office for National Statistics

Notes:

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

The monthly business survey (MBS) is used for 75.9% of the production sector by industry weight. In October 2023, the turnover response rate for the MBS element of the production sector was 84.9%. We would expect this to increase over time as more responses are received and any new data will be included in future monthly gross domestic product (GDP) releases. For context, the average turnover response rate for the production sector in 2022 now stands at 96.9%. A full set of data sources used in monthly GDP can be found in our [data sources catalogue](#).

More detailed breakdowns on production are available in our [Index of Production, UK: October 2023 bulletin](#).

## 5 . The construction sector

Construction output is estimated to have fallen by 0.3% in the three months to October 2023 compared with the three months to July 2023. New work decreased by 2.0% over the period, while repair and maintenance rose by 2.2%. Within new work, the largest contributor to the decrease came from private new housing, which decreased by 4.6%.

In October 2023, monthly construction output is estimated to have decreased 0.5% in volume terms. This follows a 0.4% increase in September 2023.

The decrease in monthly output in October 2023 came solely from a decrease in new work (1.7% fall), with repair and maintenance increasing (1.3%) on the month. Three out of the nine sectors saw a decrease on the month.

At the sector level, the main contributors to the monthly decrease were private housing new work and private commercial new work, which decreased 5.2% and 1.2%, respectively.

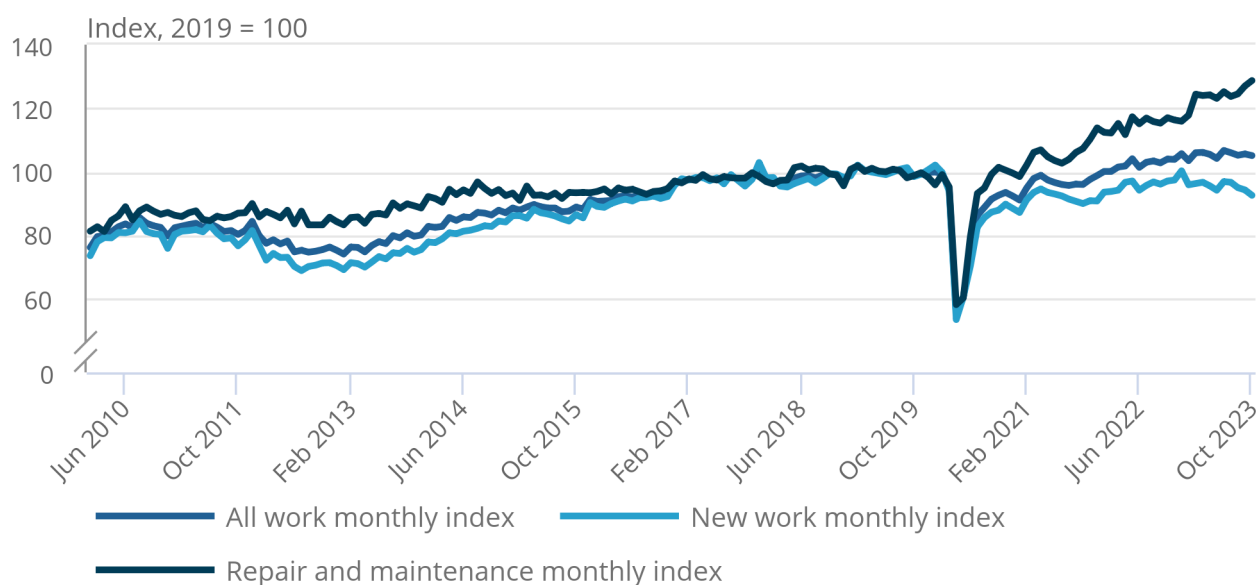
Anecdotal evidence received from returns for our [Monthly Business Survey \(MBS\) for construction and allied trades](#) suggested an effect from heavy rainfall and strong winds. The Met Office confirmed in their [Monthly weather report \(PDF, 4.8MB\)](#) that in October 2023, England and Wales saw its third-wettest three-day period on record.

### Figure 8: The monthly all work construction output index in October 2023 saw a decrease on the month

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to October 2023

#### Figure 8: The monthly all work construction output index in October 2023 saw a decrease on the month

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to October 2023



Source: Construction output and employment from the Office for National Statistics

Construction data are sourced from our monthly business survey. For October 2023, the survey turnover response rate for construction was 75.1%. We would expect this to increase over time as more responses are received and any new data will be included in future monthly gross domestic product (GDP) releases. For context, the average turnover response rate in 2022 now stands at 93.4%.

Further detail on construction output growth rates, along with new orders in the construction industry and construction output prices, can be found in our [Construction output in Great Britain: October 2023 bulletin](#).

## 6 . Cross-industry themes

There were some common themes that were anecdotally reported (as part of the Monthly Business Survey (MBS) for production and services) to have played a part in performance across different industries. However, it is difficult to quantify the exact impact.

October 2023 had exceptionally wet weather, as detailed in the [Met Office's October 2023 weather report \(PDF, 4.8MB\)](#). This report stated that "this was provisionally the equal-sixth wettest October on record for the UK in a series from 1836". The wet period in October 2023 was cited as a negative factor from businesses, most notably in the construction, retail, pubs and tourism (outdoor recreation activities) sectors. For more information, see our [Retail sales bulletin](#).

In services, we also had comments suggesting that the October half term affected recreation activities (amusement parks, museums, and theatres). While a regular seasonal event, it should be noted that, for some local authorities, part of the half term fell into November this year.

## 7 . Monthly GDP data

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

Dataset | Released 13 December 2023

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 13 December 2023

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

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

Dataset MGDGP | Released 13 December 2023

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 13 December 2023

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 13 December 2023

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

## 8 . Glossary

## 9 . Measuring the data

Further information on measuring the data across our main data sources is available in the following releases:



- [Construction output in Great Britain: October 2023](#)
- [Index of Production, UK: October 2023](#)
- [Index of Services, UK: October 2023](#)

The main data source for these statistics is the Monthly Business Survey (MBS) and response rates for each can be found in:

- our [MBS \(production\) response rates dataset](#)
- our [Current and historical MBS \(services\) response rates dataset](#)
- our [Output in the construction industry dataset](#)

Our monthly [Gross domestic product \(GDP\) data sources catalogue](#) provides a full breakdown of the data used in this publication.

In the UK, we produce estimates of monthly and quarterly GDP. However, there are reasons as to 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 estimate 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).

The coronavirus (COVID-19) 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.

## Updates to monthly GDP methods and data sources in Blue Book 2023

A number of changes have been made to the methods and data sources used in compiling monthly GDP and output approach to measuring GDP estimates as part of [Blue Book 2023](#).

### Deflators

As announced in our [Blue Book 2023 changes article](#), we have made a number of deflator improvements as part of Blue Book 2023. The following deflator improvements have been incorporated in our monthly GDP estimates. These will affect all industries that produce these products.

The weights used to combined the Producer Price Index and Export Price Index to create an overall output price have been improved for all of manufacturing.

The amount of Services Producer Price Indices (SPPI) has been increased, replacing lower quality deflators for the following products:

- CPA\_J62: Computer programming, consultancy and related services
- CPA\_J63: Information services
- CPA\_M691: Legal activities
- CPA\_M692: Accounting, bookkeeping and auditing services; tax consulting services
- CPA\_M70: Services of head offices; management consulting services
- CPA\_M71: Architectural and engineering services; technical testing and analysis services
- CPA\_M73: Advertising and market research services
- CPA\_M74: Other professional, scientific and technical services
- CPA\_N82: Office administrative, office support and other business support services

A new methodology to account for changes in the quality of computer hardware has been included within the deflator for product CPA\_C26: Computer, electronic and optical products.

The deflator for product CPA\_M72: Scientific research and development services has been updated to include a Consumer Price Index (CPI).

Implied deflators from household final consumption expenditure have been replaced with Consumer Price Indices (CPI).

## Non-market and market sector breakdowns

We have expanded our non-market output industry coverage to be consistent with our approach to supply and use, bringing in data for the non-profit institutions serving households (NPISH) sector to go alongside general government data sources.

The annual Blue Book processing, where we align our monthly output estimates with the higher quality annual estimates of gross value added (GVA) from supply use, is now done separately for each sector, using estimates of market output for the market sector and non-market output for the non-market sector. These concepts are slightly different as the non-market sector can produce market output where an economically significant fee is charged, which will be included in the GVA estimate but the approach taken provides the best estimate in the short term.

Estimates of GVA in the most recent time periods (often referred to as "the tail" which are time periods beyond where supply use estimates are available), are created separately for the market and non-market sectors by splicing the growth from our market and non-market output series onto the series that have been aligned to sectors GVA from supply use. This removes the need for fixed based weights for aggregating market and non-market data to estimate the total economy.

Market output continues to be measured in the same way, predominantly using the Monthly Business Survey (MBS). While the MBS will pick up some non-market output of the NPISH sector, this is a small component and it remains the best estimate of market sector growth in our short-term estimates.

## Consumer-facing services industry classification

The industry breakdown used for consumer-facing services is based on the [UK Standard Industrial Classification \(SIC\)](#). In October 2023, we launched a [12-week public consultation on the UK adoption of industrial classification of economic activity](#).

The following list contains the full SIC names of industries included in consumer-facing services and their corresponding shortened industry name where this has been used in Figure 5:

- wholesale and retail trade and repair of motor vehicles and motorcycles -- sales and repairs of motor vehicles
- retail trade, except of motor vehicles and motorcycles -- retail except motor vehicles
- rail transport
- accommodation
- food and beverage service activities -- food and beverage
- buying and selling, renting and operating of own or leased real estate, excluding imputed rent -- real estate activities
- veterinary activities
- travel agency, tour operator and other reservation service and related activities -- travel and tourism activities
- gambling and betting services
- sports activities and amusement and recreation activities -- sports, amusement, and recreation
- activities of membership organisations
- other personal service activities
- activities of households as employers of domestic personnel -- households as employers of domestic personnel

## **Additional bank holiday in May 2023 for the Coronation of King Charles III**

There was an additional bank holiday for the coronation of King Charles III on Monday 8<sup>th</sup> May 2023. While adjustments are made for regular calendar effects, there was no explicit adjustment for this ad hoc event. However, the timing of the bank holiday indirectly affects the number of trading days, which could affect GDP estimates positively or negatively, depending on the sector.

## **Office for Statistics Regulation review of GDP**

The Office for Statistics Regulation (OSR) have completed a review of the practices around the preparation and release of information about revisions to estimates of GDP in our [Impact of Blue Book 2023 article](#) released on 1 September 2023, as [announced](#) on 6 September 2023. The outcome of this review can be viewed on the [OSR website](#). This review covered:

- processes and quality assurance in making revisions to GDP
- potential improvements to early estimates of GDP enabled through enhanced access to data
- communication of revisions to GDP, the story behind the most recent set of revisions in particular, and uncertainty in early estimates of GDP

We have already started work looking into the recommendations of this review and will set out plans more fully during January 2024.

## 10 . Strengths and limitations

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

Monthly growth rates can be volatile. This indicator 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 and 2021. Such comparisons and growth rates can be found in our [accompanying dataset](#).

## 11 . Related links

### [Construction output in Great Britain: October 2023](#)

Bulletin | Released 13 December 2023

Short-term measures of output by the construction industry.

### [Index of Production, UK: October 2023](#)

Bulletin | Released 13 December 2023

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: October 2023](#)

Bulletin | Released 13 December 2023

Monthly movements in output for the services industries.

### [GDP first quarterly estimate, UK: July to September 2023](#)

Bulletin | Released 10 November 2023

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.

### [GDP revisions in Blue Book: 2023](#)

Article | Released 31 October 2023

GDP revisions in annual and quarterly rounds, focusing on revisions in Blue Book 2023. Compares revisions before and during the coronavirus (COVID-19) pandemic.

### [Impact of Blue Book 2023 changes on gross domestic product](#)

Article | Released 1 September 2023

Impact of methodological and data improvements on current price and chain volume measure of quarterly gross domestic product (GDP), 1997 to 2021.

### [Coronavirus and the effects on UK 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.

## 12 . Cite this statistical bulletin

Office for National Statistics (ONS), released 13 December 2023, ONS website, statistical bulletin, [GDP monthly estimate, UK: October 2023](#)

GVA1

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

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 <sup>6</sup>	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	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	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
2018	98.3	85.6	98.3	98.2	99.5	89.0	99.8	99.4	98.3	100.6	97.2	98.4	91.7	102.7	98.2	97.7	98.5	96.2	94.7	101.4	96.5	100.5	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	90.0	90.7	102.3	100.1	102.2	105.0	101.6	87.4	88.1	84.4	68.4	62.2	106.0	98.4	99.5	96.0	84.8	94.8	79.6	70.0	71.2	82.7	77.9
2021	97.6	84.6	98.3	76.7	103.8	71.3	106.0	96.0	97.7	100.4	74.7	81.6	114.6	103.8	101.1	105.4	91.7	96.8	90.5	94.5	82.8	90.9	74.4
2022	101.9	85.8	94.9	76.1	100.4	63.1	106.2	102.2	103.3	101.0	85.2	101.5	122.3	104.9	101.7	111.1	97.8	100.3	100.7	104.9	96.9	99.0	71.9
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2021 Oct	100.7	86.7	95.1	77.3	101.2	58.5	106.9	95.6	102.2	105.1	80.2	98.7	117.3	105.4	101.3	103.6	95.5	97.4	96.1	111.2	91.1	100.1	73.4
Nov	101.4	85.8	96.6	73.9	103.2	61.3	106.5	97.3	102.7	104.3	81.6	95.0	117.7	106.4	101.2	106.5	95.7	98.3	95.7	114.1	92.2	98.9	81.1
Dec	100.9	84.9	96.8	73.3	103.2	63.3	106.3	98.3	102.0	102.1	82.0	84.2	116.9	106.4	101.2	107.0	94.5	98.6	95.9	114.5	92.2	94.5	85.5
2022 Jan	101.4	85.0	96.4	77.2	102.1	64.4	107.0	99.6	102.6	103.5	83.7	90.4	121.1	105.3	101.2	106.9	94.4	99.2	99.9	109.7	92.0	96.5	82.9
Feb	102.0	85.6	96.2	77.1	101.8	64.4	106.8	99.7	103.3	102.3	84.1	102.2	122.6	105.0	101.4	107.6	95.8	99.7	100.3	110.4	93.5	95.6	76.3
Mar	102.1	85.9	95.9	77.8	101.6	63.2	106.9	101.0	103.4	101.3	84.7	103.1	120.7	104.9	101.5	108.9	96.7	99.8	100.0	111.0	97.4	97.0	71.5
Apr	101.9	85.9	95.9	79.1	101.0	63.9	108.8	101.4	103.1	102.3	83.6	103.9	121.6	104.8	101.8	109.3	97.2	99.6	100.8	104.8	98.2	95.6	73.0
May	102.6	86.1	96.2	79.6	101.7	63.4	106.2	103.6	103.7	101.0	84.6	104.7	122.7	105.2	101.9	112.4	98.8	99.4	101.3	105.9	96.8	98.2	74.5
Jun	101.6	86.2	94.9	77.5	100.1	62.8	107.6	101.0	102.9	100.0	84.0	105.3	121.6	105.4	101.8	111.4	96.9	99.7	101.1	101.1	98.7	98.1	77.4
Jul	102.0	86.3	94.5	80.9	99.5	62.6	105.3	102.6	103.4	100.5	86.7	103.8	122.0	105.8	101.9	111.7	97.7	100.4	101.5	101.7	98.6	101.0	72.9
Aug	102.1	86.2	93.6	74.0	99.0	62.1	105.8	102.9	103.6	100.9	87.4	101.1	123.4	105.4	101.9	113.0	98.6	101.0	101.2	102.3	95.7	100.0	69.2
Sep	101.5	85.7	93.7	74.4	99.0	62.8	105.4	102.3	102.9	98.8	87.4	100.1	121.0	104.1	101.8	112.2	97.5	101.3	100.9	103.0	95.7	101.2	67.2
Oct	102.1	85.7	94.0	72.5	100.1	61.5	103.7	103.5	103.6	100.7	87.6	100.5	122.0	103.8	102.0	113.4	99.1	101.3	101.0	103.2	100.4	101.4	66.9
Nov	102.2	85.5	93.9	74.5	99.5	61.6	105.3	103.5	103.7	100.4	85.7	101.6	124.0	104.1	101.6	113.0	100.3	101.2	101.1	103.8	98.9	101.8	66.6
Dec	101.9	85.5	93.9	68.8	99.7	63.9	105.7	105.3	103.1	99.7	82.8	101.0	124.6	104.6	101.4	113.2	100.9	101.1	99.6	101.4	96.2	101.8	64.6
2023 Jan	102.4	85.5	93.9	66.8	100.0	62.9	106.1	103.0	104.0	100.7	85.7	102.1	126.0	105.3	101.5	111.8	102.2	101.0	101.9	102.8	98.9	103.4	65.5
Feb	102.6	85.6	93.8	68.4	100.0	61.9	104.9	105.6	104.0	100.3	84.9	102.2	125.9	105.5	101.4	112.1	103.1	100.2	100.9	103.3	100.6	105.7	66.3
Mar	102.3	85.6	94.5	66.4	100.7	63.4	106.4	105.7	103.5	98.9	83.7	101.5	123.9	105.3	101.6	111.5	102.0	100.3	101.7	102.9	102.1	104.5	67.8
Apr	102.5	85.6	94.7	66.4	101.3	63.0	105.1	105.1	103.8	99.8	83.8	104.2	125.7	104.9	101.4	111.1	103.3	100.4	101.6	102.2	102.3	104.7	67.9
May	102.3	85.6	94.2	66.7	101.1	61.2	103.3	103.8	103.7	99.5	83.5	103.1	126.0	104.3	101.3	110.3	102.6	100.5	101.7	103.5	104.9	104.0	67.8
Jun	103.0	85.6	96.6	66.0	103.9	63.1	105.6	106.2	104.0	100.1	83.8	104.8	127.3	104.2	101.2	109.6	103.8	100.8	102.3	104.1	103.9	104.7	67.1
Jul	102.4	85.7	95.5	65.9	102.6	63.0	104.1	105.6	103.5	99.6	82.7	103.7	125.0	104.5	100.9	110.1	103.4	100.9	100.4	102.3	110.7	105.1	66.6
Aug	102.5	85.8	95.0	68.0	101.9	62.7	102.9	104.7	103.8	100.2	82.9	103.8	126.1	104.8	101.0	110.9	103.1	101.1	102.4	103.0	102.3	102.1	67.1
Sep	102.7	85.9	95.1	66.4	102.0	62.4	104.4	105.1	104.0	99.8	82.4	104.4	126.6	104.5	100.8	111.9	102.8	101.2	103.0	104.0	105.4	102.4	67.1
Oct	102.4	85.9	94.3	66.6	100.9	61.3	106.1	104.6	103.8	99.9	82.7	103.9	124.4	104.5	100.9	111.1	103.5	101.3	102.5	104.4	106.0	101.2	66.7
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
2018	1.3	-10.2	3.1	7.0	4.3	-5.3	1.2	-1.8	1.3	-1.2	2.5	-1.4	10.6	-1.8	2.2	0.4	0.1	0.9	3.9	-0.4	-0.1	3.3	8.5
2019	1.8	16.8	1.7	1.8	0.5	12.4	0.2	0.6	1.8	-0.6	2.8	1.6	9.1	-2.7	1.8	2.4	1.5	3.9	5.6	-1.4	3.7	-0.5	6.4
2020	-10.0	-9.3	2.3	0.1	2.2	5.0	1.6	-12.6	-11.9	-15.6	-31.6	-37.8	6.0	-1.6	-0.5	-4.0	-15.2	-5.2	-20.4	-30.0	-28.8	-17.3	-22.1
2021	8.4	-6.8	-3.9	-23.4	1.6	-32.1	4.4	9.8	10.9	18.9	9.2	31.3	8.1	5.4	1.6								

	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 <sup>6</sup>	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	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	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
2021 Oct	8.1	-3.6	-10.6	-15.8	-7.1	-41.5	2.5	2.6	12.4	15.2	15.4	24.6	6.9	5.3	1.9	8.1	10.9	4.7	6.9	63.6	26.6	14.9	-22.2
Nov	8.7	-2.4	-10.8	-16.4	-7.7	-40.3	2.6	2.0	13.4	16.1	15.7	51.5	6.7	5.2	1.9	7.0	11.4	5.0	5.0	67.0	25.8	21.2	-11.8
Dec	9.0	-0.7	-10.1	-18.7	-6.9	-37.7	1.7	3.2	13.4	14.9	15.7	69.1	7.3	4.4	1.8	5.6	9.7	5.3	8.8	70.1	23.9	8.7	-1.1
2022 Jan	10.5	0.3	-8.3	-17.3	-5.2	-33.4	1.4	5.9	14.8	17.9	20.0	91.0	8.4	3.4	1.3	7.2	9.6	5.9	18.2	67.7	26.0	5.8	4.2
Feb	10.9	1.6	-6.6	-13.8	-3.9	-29.3	0.7	7.2	14.7	16.7	22.9	86.4	10.1	2.5	0.7	6.2	9.4	6.2	27.7	62.4	24.5	2.9	5.2
Mar	11.1	2.9	-5.3	-8.3	-3.4	-25.2	1.0	6.9	14.7	14.9	25.3	106.5	10.4	2.1	0.3	5.0	9.9	6.3	30.6	52.5	31.5	16.2	9.3
Apr	8.7	3.9	-4.6	-0.2	-3.7	-21.9	1.5	5.0	11.6	6.7	20.5	96.4	9.1	1.6	0.5	3.7	8.9	5.3	24.1	39.6	33.0	6.6	8.2
May	6.3	3.6	-4.0	5.4	-3.6	-19.8	1.5	4.9	8.3	0.9	17.6	58.6	7.0	1.4	0.7	4.5	7.9	3.8	14.6	26.9	29.0	6.0	2.2
Jun	3.9	2.8	-3.4	14.9	-3.7	-17.1	1.4	4.6	5.1	-3.0	14.5	26.7	5.8	1.7	0.6	4.4	6.8	2.5	7.5	14.7	23.1	5.7	-6.7
Jul	3.2	1.8	-2.9	15.0	-3.6	-12.2	-0.2	5.7	4.1	-3.8	14.4	11.8	5.6	2.5	0.8	4.7	6.2	2.2	5.1	8.6	18.6	15.5	-6.7
Aug	2.5	1.0	-3.0	5.4	-3.7	-5.8	-0.5	6.4	3.2	-3.9	13.4	3.5	5.4	2.8	0.8	4.3	5.5	2.5	5.2	3.3	14.7	14.9	-1.0
Sep	2.2	0.6	-2.8	-3.3	-3.3	0.2	-0.2	7.2	2.6	-4.1	13.2	-1.8	5.4	2.1	0.9	5.0	5.1	2.8	5.9	0.7	9.7	11.2	4.2
Oct	1.6	-0.3	-2.4	-8.9	-2.5	3.2	-0.7	7.8	1.8	-4.3	11.3	-3.7	5.0	0.4	0.8	6.6	4.6	3.3	5.6	-3.1	7.6	5.9	0.7
Nov	1.1	-0.5	-2.1	-4.4	-2.6	3.4	-1.0	7.2	1.2	-4.5	8.4	0.5	4.9	-1.2	0.6	6.6	4.1	3.3	5.4	-6.3	7.8	3.5	-9.0
Dec	1.0	-0.3	-2.3	-3.9	-2.7	2.1	-1.6	7.2	1.1	-3.4	5.0	9.1	5.3	-1.8	0.4	7.1	5.1	3.1	4.9	-9.2	7.3	3.9	-17.5
2023 Jan	0.9	0.3	-2.8	-6.4	-3.0	-0.3	-0.9	5.6	1.1	-2.9	2.8	13.0	5.3	-1.3	0.3	5.5	6.6	2.4	3.8	-8.9	6.4	5.9	-21.2
Feb	0.8	0.4	-2.7	-10.4	-2.4	-1.8	-1.1	5.4	1.1	-2.3	1.4	10.3	4.4	-0.4	0.2	4.8	7.5	1.6	2.1	-8.1	6.5	8.5	-19.7
Mar	0.6	0.1	-2.2	-13.1	-1.5	-2.0	-1.0	4.6	0.7	-2.4	0.7	3.4	3.1	0.3	0.1	3.7	7.1	0.9	1.4	-6.6	6.6	8.5	-13.5
Apr	0.4	-0.3	-1.8	-14.0	-0.7	-1.7	-1.9	4.7	0.5	-2.3	0.0	-0.4	2.9	0.3	-0.1	2.7	6.4	0.6	1.0	-5.4	5.5	9.3	-8.5
May	0.1	-0.5	-1.6	-15.6	-0.4	-1.5	-2.2	2.8	0.2	-2.1	-0.8	-0.9	2.9	-0.1	-0.3	0.7	5.2	0.8	1.0	-4.1	5.8	7.7	-7.1
Jun	0.6	-0.6	-0.5	-15.7	1.2	-1.5	-2.7	3.0	0.6	-1.3	-0.5	-0.6	3.6	-0.6	-0.5	-0.7	5.7	1.0	0.8	-0.6	5.9	7.4	-9.8
Jul	0.5	-0.7	0.3	-16.6	2.1	-0.8	-1.9	2.7	0.4	-0.8	-2.1	-0.7	3.3	-1.1	-0.7	-1.7	5.6	0.9	0.2	0.4	8.6	5.5	-10.3
Aug	0.8	-0.6	1.5	-14.0	3.3	0.7	-1.9	3.3	0.5	-0.5	-3.4	0.7	3.1	-1.0	-0.8	-1.6	5.8	0.6	0.4	1.4	8.1	4.3	-8.4
Sep	0.7	-0.3	1.4	-12.6	3.0	0.3	-1.6	2.5	0.5	-0.2	-5.2	2.3	3.1	-0.5	-0.9	-1.2	5.2	0.2	0.7	0.7	9.8	2.4	-4.0
Oct	0.7	0.0	1.1	-9.0	2.3	0.0	-0.5	1.9	0.5	-0.2	-5.5	3.5	2.9	0.2	-1.0	-1.4	4.8	0.0	1.6	0.9	7.5	1.0	-1.2

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
2021 Oct	0.3	1.1	-0.8	-3.7	-0.8	-2.5	2.6	-0.2	0.6	0.5	2.1	-8.0	2.1	1.5	0.2	-3.6	1.6	-0.8	0.3	5.3	0.7	5.0	10.9
Nov	0.7	-1.0	1.5	-4.4	1.9	4.7	-0.4	1.8	0.5	-0.7	1.8	-3.7	0.3	1.0	-0.1	2.7	0.2	0.9	-0.4	2.5	1.2	-1.2	10.5
Dec	-0.5	-1.0	0.2	-0.8	0.0	3.3	-0.2	1.1	-0.7	-2.2	0.5	-11.4	-0.6	0.0	0.0	0.5	-1.2	0.3	0.3	0.4	0.0	-4.4	5.4
2022 Jan	0.5	0.1	-0.3	5.3	-1.1	1.8	0.6	1.3	0.6	1.4	2.1	7.4	3.6	-1.0	0.0	-0.1	-0.1	0.6	4.1	-4.2	-0.2	2.0	-3.1
Feb	0.5	0.6	-0.3	0.0	-0.3	-0.1	-0.2	0.1	0.7	-1.2	0.5	13.0	1.2	-0.3	0.2	0.7	1.4	0.5	0.4	0.6	1.6	-0.9	-7.9
Mar	0.1	0.4	-0.3	0.8	-0.2	-1.8	0.1	1.4	0.1	-0.9	0.7	0.9	-1.5	-0.1	0.1	1.1	1.0	0.0	-0.3	0.6	4.2	1.5	-6.3
Apr	-0.2	0.1	-0.1	1.6	-0.6	1.0	1.8	0.3	-0.3	1.0	-1.3	0.8	0.7	-0.1	0.3	0.4	0.5	-0.2	0.8	-5.5	0.8	-1.5	2.0
May	0.7	0.2	0.3	0.6	0.7	-0.6	-2.3	2.2	0.6	-1.3	1.2	0.8	1.0	0.4	0.2	2.8	1.7	-0.1	0.5	1.0	-1.5	2.8	2.1
Jun	-1.0	0.1	-1.3	-2.5	-1.6	-1.0	1.3	-2.5	-0.8	-1.0	-0.7	0.6	-0.9	0.3	-0.1	-0.9	-2.0	0.3	-0.2	-4.5	2.0	-0.1	3.9
Jul	0.4	0.2	-0.4	4.3	-0.5	-0.3	-2.2	1.6	0.5	0.5	3.2	-1.4	0.4	0.4	0.1	0.3	0.9	0.6	0.4	0.5	-0.1	3.0	-5.8
Aug	0.1	-0.2	-1.0	-8.5	-0.5	-0.7	0.5	0.3	0.2	0.4	0.9	-2.7	1.1	-0.4	0.0	1.2	0.8	0.6	-0.3	0.7	-3.0	-1.1	-5.1
Sep	-0.6	-0.5	0.1	0.4	0.0	1.1	-0.4	-0.6	-0.7	-2.1	0.0	-0.9	-2.0	-1.2	-0.2	-0.7	-1.1	0.3	-0.3	0.6	0.0	1.3	-2.9
Oct	0.7	0.0	0.4	-2.5	1.1	-2.2	-1.6	1.2	0.7	2.0	0.2	0.4	0.8	-0.3	0.3	1.1	1.6	0.0	0.1	0.2	4.9	0.2	-0.5
Nov	0.1	-0.2	-0.1	2.7	-0.6	0.2	1.5	0.0	0.1	-0.3	-2.2	1.0	1.7	0.3	-0.5	-0.4	1.3	-0.1	0.1	0.6	-1.5	0.4	-0.4
Dec	-0.3	0.0	0.0	-7.7	0.3	3.7	0.4	1.7	-0.5	-0.7	-3.4	-0.6	0.5	0.5	-0.1	0.1	0.5	-0.2	-1.5	-2.3	-2.8	-0.1	-3.1
2023 Jan	0.5	-0.1	0.0	-2.9	0.3	-1.5	0.4	-2.1	0.8	0.9	3.6	1.1	1.1	0.6	0.0	-1.2	1.3	0.0	2.3	1.4	2.9	1.6	1.4
Feb	0.1	0.1	-0.1	2.4	0.0	-1.6	-1.1	2.5	0.0	-0.3	-1.0	0.2	-0.1	0.2	-0.1	0.2	0.9	-0.8	-1.0	0.4	1.7	2.3	1.2
Mar	-0.3	0.0	0.7	-3.0	0.7	2.5	1.5	0.1	-0.5	-1.5	-1.4	-0.7	-1.6	-0.2	0.2	-0.5	-1.1	0.1	0.8	-0.4	1.4	-1.2	2.2
Apr	0.2	0.0	0.3	0.0	0.6	-0.6	-1.2	-0.6	0.3	1.0	0.1	2.7	1.5	-0.3	-0.2	-0.4	1.3	0.1	-0.1	-0.7	0.3	0.2	0.3
May	-0.2	0.0	-0.5	0.4	-0.2	-2.8	-1.7	-1.2	-0.1	-0.4	-0.3	-1.0	0.2	-0.6	-0.1	-0.7	-0.7	0.1	0.1	1.3	2.5	-0.7	-0.2
Jun	0.7	0.0	2.5	-1.1	2.7	3.1	2.2	2.4	0.3	0.6	0.3	1.6	1.0	-0.1	-0.2	-0.6	1.2	0.3	0.6	0.5	-1.0	0.7	-1.0
Jul	-0.6	0.1	-1.1	-0.1	-1.3	-0.1	-1.4	-0.6	-0.5	-0.5	-1.2	-1.0	-1.8	0.3	-0.3	0.4	-0.5	0.2	-1.9	-1.8	6.6	0.3	-0.7
Aug	0.1	0.1	-0.5	3.1	-0.7	-0.5	-1.2	-0.8	0.3	0.6	0.2	0.1	0.9	0.3	0.2	0.8	-0.3	0.2	2.0	0.7	-7.5	-2.9	0.7
Sep	0.2	0.1	0.0	-2.2	0.1	-0.5	1.4	0.4	0.2	-0.4	-0.6	0.5	0.4	-0.2	-0.2	0.8	-0.3	0.1	0.6	1.0	3.0	0.3	0.0
Oct	-0.3	0.1	-0.8	0.2	-1.1	-1.8	1.6	-0.5	-0.2	0.1	0.3	-0.4	-1.7	-0.1	0.1	-0.7	0.7	0.1	-0.4	0.4	0.5	-1.2	-0.7

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](mailto:gdp@ons.gov.uk)

GVA3

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

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 <sup>6</sup>	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	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	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
2021	Oct	7.6	-1.8	-11.4	-17.5	-8.3	-41.7	3.0	1.2	12.1	14.0	16.0	37.4	5.9	5.4	1.9	3.0	10.5	4.5	2.6	67.3	20.5	26.5	-11.1
	Nov	10.7	-0.5	-10.2	-17.0	-7.5	-37.4	2.7	2.7	15.8	19.0	16.7	126.3	7.8	5.3	1.9	8.1	12.2	5.7	7.1	71.7	33.2	24.5	3.8
	Dec	8.6	0.1	-8.6	-21.6	-5.0	-33.7	-0.4	5.7	12.4	11.8	14.5	66.6	8.0	2.4	1.6	5.7	6.4	5.8	17.6	71.3	18.9	-15.2	4.4
2022	Jan	12.3	1.2	-5.8	-13.1	-3.1	-28.9	1.8	9.3	16.3	23.4	29.7	86.0	9.4	2.7	0.3	7.9	10.3	6.3	31.7	60.4	26.6	15.9	4.3
	Feb	11.7	3.6	-5.2	-5.5	-3.5	-24.8	0.8	6.5	15.5	15.3	25.2	107.1	12.8	2.3	0.3	5.0	11.5	6.4	34.6	55.9	28.3	14.2	7.0
	Mar	9.4	3.8	-5.0	-5.8	-3.7	-21.3	0.6	5.1	12.5	7.1	21.4	128.1	9.0	1.4	0.5	2.3	8.0	6.1	25.9	42.6	40.0	18.7	18.7
	Apr	5.3	4.5	-3.7	12.4	-3.9	-19.2	3.1	3.4	7.0	-1.1	15.2	65.2	5.6	1.1	0.7	3.9	7.3	3.5	13.7	23.2	31.0	-8.9	0.7
	May	4.4	2.7	-3.3	11.3	-3.1	-19.0	0.8	6.2	5.6	-2.9	16.4	18.4	6.5	1.8	0.8	7.2	8.4	2.1	5.9	16.9	17.8	12.0	-8.7
	Jun	2.2	1.2	-3.1	21.7	-4.1	-12.6	0.3	4.3	2.9	-5.0	11.8	9.2	5.4	2.3	0.4	2.1	4.8	2.0	3.4	5.2	21.0	17.3	-11.0
	Jul	3.1	1.7	-2.4	12.6	-3.5	-3.6	-1.6	6.7	3.8	-3.5	15.0	8.3	4.9	3.5	1.2	4.7	5.3	2.4	5.9	4.2	17.1	17.4	0.7
	Aug	2.3	0.3	-3.5	-12.9	-3.4	-0.1	-0.2	8.2	2.8	-3.3	13.4	-5.9	5.9	2.7	0.9	6.0	6.3	3.0	6.5	0.7	6.5	10.5	11.1
	Sep	1.1	-0.1	-2.3	-7.3	-3.0	4.8	1.2	6.8	1.2	-5.5	11.3	-6.6	5.3	0.2	0.6	4.4	3.7	3.1	5.3	-2.5	5.8	6.3	1.5
	Oct	1.4	-1.1	-1.2	-6.2	-1.1	5.1	-3.0	8.3	1.4	-4.1	9.2	1.9	4.0	-1.5	0.7	9.5	3.7	4.0	5.1	-7.2	10.3	1.3	-8.9
	Nov	0.8	-0.3	-2.8	0.8	-3.6	0.6	-1.2	6.4	0.9	-3.7	4.9	6.9	5.4	-2.2	0.3	6.2	4.9	3.0	5.7	-9.0	7.3	3.0	-17.8
	Dec	1.0	0.7	-2.9	-6.2	-3.4	0.9	-0.6	7.0	1.1	-2.3	0.9	19.9	6.5	-1.7	0.2	5.8	6.7	2.5	3.8	-11.5	4.3	7.6	-24.5
2023	Jan	1.0	0.5	-2.7	-13.4	-2.1	-2.4	-0.9	3.4	1.4	-2.8	2.5	12.9	4.0	0.0	0.3	4.6	8.2	1.8	2.0	-6.2	7.5	7.2	-21.0
	Feb	0.6	0.0	-2.5	-11.3	-1.7	-3.9	-1.8	5.9	0.7	-1.9	0.9	0.1	2.7	0.5	0.0	4.1	7.6	0.5	0.5	-6.4	7.6	10.6	-13.1
	Mar	0.1	-0.4	-1.6	-14.7	-0.8	0.3	-0.4	4.6	0.1	-2.4	-1.2	-1.5	2.6	0.4	0.1	2.4	5.4	0.5	1.7	-7.3	4.7	7.7	-5.2
	Apr	0.6	-0.4	-1.2	-16.0	0.3	-1.4	-3.4	3.6	0.7	-2.4	0.2	0.3	3.4	0.1	-0.3	1.6	6.3	0.8	0.8	-2.5	4.2	9.6	-6.9
	May	-0.3	-0.7	-2.0	-16.1	-0.6	-3.5	-2.8	0.1	-0.1	-1.5	-1.3	-1.5	2.7	-0.8	-0.6	-1.9	3.8	1.0	0.4	-2.2	8.4	5.9	-9.0
	Jun	1.4	-0.7	1.8	-14.9	3.8	0.5	-1.9	5.2	1.1	0.1	-0.3	-0.5	4.7	-1.2	-0.6	-1.6	7.2	1.0	1.2	2.9	5.2	6.7	-13.2
	Jul	0.4	-0.8	1.1	-18.5	3.1	0.7	-1.1	2.9	0.1	-0.9	-4.5	-0.1	2.4	-1.3	-1.0	-1.5	5.7	0.6	-1.1	0.6	12.2	4.0	-8.6
	Aug	0.5	-0.5	1.5	-8.2	3.0	0.9	-2.7	1.8	0.2	-0.7	-5.2	2.8	2.2	-0.6	-0.9	-1.8	4.6	0.1	1.1	0.6	6.9	2.1	-3.0
	Sep	1.3	0.2	1.5	-10.6	3.0	-0.7	-1.0	2.8	1.1	1.0	-5.8	4.3	4.6	0.5	-0.9	-0.3	5.4	0.0	2.1	1.0	10.1	1.1	-0.1
	Oct	0.3	0.3	0.4	-8.1	0.8	-0.3	2.2	1.1	0.2	-0.9	-5.6	3.4	2.0	0.7	-1.1	-2.1	4.5	0.1	1.5	1.1	5.5	-0.2	-0.3

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](mailto:gdp@ons.gov.uk)



REV1

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>

Revisions to growth of gross value added at basic prices <sup>2</sup>

seasonally adjusted 2019=100

Periods open for revision: No open periods

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 <sup>4</sup>	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	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2
Percentage change, latest 3 months on previous 3 months <sup>3</sup>																							
2021 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
2022 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
2023 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
Percentage change, latest 3 months on same 3 months a year ago <sup>3</sup>																							
2021 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
2022 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
2023 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

	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 <sup>4</sup>	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	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2	

Percentage change, latest month on previous month <sup>3</sup>

2021 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
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
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
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
2022 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
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
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
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
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
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
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
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
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
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
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
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
2023 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
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
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
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
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
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
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
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
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

Percentage change, latest month on same month a year ago <sup>3</sup>

2021 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
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
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
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
2022 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
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
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
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
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
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
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
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
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
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
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
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
2023 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
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
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
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
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
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
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
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
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

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) <sup>1</sup>  
Contributions to growth of gross value added at basic prices <sup>2,3,4,5</sup>

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
2021	Oct	1.43	0.01	-0.28	0.13	-0.22	-0.18	-0.01	-0.09	1.79	0.02	0.17	0.33	0.04	0.09	0.01	-0.07	0.10	0.01	-0.04	0.89	0.12	0.17	-0.03
	Nov	1.48	0.01	-0.19	0.04	-0.12	-0.10	-0.01	0.01	1.65	0.01	0.17	0.01	0.03	0.21	0.02	-0.12	0.13	0.00	-0.02	0.92	0.09	0.20	0.00
	Dec	1.35	0.00	-0.06	-0.04	-0.01	-0.02	0.01	0.09	1.32	-0.05	0.17	-0.33	0.09	0.26	0.04	-0.09	0.11	0.00	0.02	0.90	0.06	0.13	0.03
2022	Jan	0.98	-0.01	0.08	-0.06	0.09	0.04	0.01	0.18	0.73	-0.14	0.16	-0.44	0.15	0.17	0.01	0.07	0.04	0.04	0.09	0.50	0.03	0.02	0.03
	Feb	0.60	-0.01	0.08	-0.01	0.02	0.06	0.01	0.19	0.34	-0.21	0.13	-0.24	0.22	0.03	0.01	0.10	-0.01	0.06	0.16	0.09	0.02	-0.04	0.02
	Mar	0.80	0.00	0.01	0.03	-0.07	0.04	0.00	0.19	0.61	-0.15	0.12	0.18	0.26	-0.08	0.02	0.16	0.02	0.07	0.24	-0.22	0.04	-0.02	-0.01
	Apr	0.71	0.00	-0.08	0.03	-0.14	0.01	0.01	0.14	0.65	-0.13	0.07	0.39	0.19	-0.09	0.04	0.14	0.09	0.05	0.18	-0.30	0.06	-0.01	-0.02
	May	0.74	0.01	-0.06	0.03	-0.09	-0.01	0.01	0.17	0.63	-0.11	0.04	0.34	0.09	-0.05	0.06	0.23	0.14	0.02	0.11	-0.32	0.07	0.02	-0.02
	Jun	0.17	0.00	-0.07	0.01	-0.09	-0.01	0.01	0.11	0.13	-0.13	0.00	0.18	0.03	0.01	0.06	0.24	0.10	0.00	0.06	-0.48	0.05	0.02	0.00
	Jul	0.06	0.00	-0.11	0.01	-0.10	-0.01	-0.01	0.10	0.06	-0.15	0.04	0.05	0.03	0.05	0.04	0.24	0.06	0.01	0.05	-0.44	0.02	0.05	0.00
	Aug	-0.31	0.00	-0.22	-0.01	-0.18	-0.01	-0.01	0.01	-0.10	-0.11	0.07	-0.01	0.04	0.05	0.02	0.13	0.01	0.04	0.03	-0.42	0.00	0.05	0.00
	Sep	-0.16	0.00	-0.23	-0.02	-0.17	-0.01	-0.02	0.04	0.03	-0.11	0.12	-0.09	0.01	0.00	0.00	0.09	0.02	0.06	0.01	-0.12	-0.02	0.06	-0.01
	Oct	-0.15	0.00	-0.19	-0.06	-0.10	-0.01	-0.02	0.03	0.01	-0.04	0.09	-0.12	0.00	-0.09	0.00	0.08	0.03	0.06	-0.01	0.00	-0.01	0.03	-0.01
	Nov	0.06	0.00	-0.06	-0.04	0.00	-0.01	-0.02	0.06	0.07	-0.05	0.03	-0.08	0.00	-0.13	-0.01	0.07	0.06	0.04	-0.01	0.12	0.01	0.03	-0.01
	Dec	0.24	0.00	0.00	-0.05	0.06	0.00	-0.01	0.09	0.15	0.02	-0.07	-0.02	0.09	-0.08	-0.03	0.07	0.11	0.01	-0.03	0.04	0.03	0.02	-0.01
2023	Jan	0.28	0.00	0.02	-0.04	0.04	0.01	0.01	0.06	0.20	0.01	-0.11	0.03	0.17	0.02	-0.05	-0.01	0.14	0.00	-0.01	-0.01	0.01	0.03	0.00
	Feb	0.35	0.00	0.00	-0.06	0.04	0.01	0.01	0.09	0.26	0.03	-0.10	0.03	0.20	0.09	-0.04	-0.04	0.15	-0.02	-0.01	-0.06	0.00	0.04	0.00
	Mar	0.33	0.00	0.02	-0.05	0.05	0.01	0.01	0.04	0.27	-0.04	-0.02	0.03	0.11	0.10	-0.02	-0.11	0.12	-0.03	0.05	0.02	0.03	0.05	0.00
	Apr	0.26	0.00	0.06	-0.03	0.09	0.00	0.00	0.09	0.11	-0.06	-0.02	0.03	0.02	0.05	0.00	-0.08	0.08	-0.04	0.03	0.01	0.05	0.05	0.00
	May	0.04	0.00	0.08	-0.02	0.11	0.00	-0.01	0.01	-0.05	-0.09	-0.03	0.04	-0.02	-0.02	0.00	-0.10	0.03	-0.02	0.05	0.03	0.07	0.01	0.00
	Jun	0.17	0.00	0.15	-0.01	0.18	0.00	-0.01	0.02	0.00	-0.02	-0.04	0.06	0.07	-0.07	-0.02	-0.11	0.04	0.00	0.02	0.02	0.05	0.00	0.00
	Jul	0.12	0.00	0.15	-0.01	0.18	0.00	-0.01	-0.02	-0.02	0.00	-0.03	0.04	0.06	-0.07	-0.04	-0.12	0.03	0.02	0.00	0.04	0.07	-0.01	0.00
	Aug	0.31	0.00	0.17	0.00	0.17	0.01	-0.01	0.04	0.10	0.06	-0.02	0.03	0.06	-0.03	-0.05	-0.06	0.04	0.03	0.00	0.02	0.04	-0.01	0.00
	Sep	-0.03	0.00	0.00	0.00	0.01	0.00	-0.01	0.01	-0.04	0.00	-0.04	0.00	-0.03	0.01	-0.05	0.05	-0.01	0.03	0.00	-0.01	0.04	-0.02	0.00
	Oct	0.01	0.00	-0.08	0.01	-0.09	-0.01	0.00	-0.02	0.11	0.02	-0.03	0.01	-0.03	0.02	-0.03	0.10	-0.01	0.02	0.07	0.04	-0.03	-0.05	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
2021	Oct	8.06	-0.02	-1.67	-0.17	-0.83	-0.70	0.03	0.16	9.58	1.53	0.46	0.67	0.51	0.46	0.26	0.65	0.51	0.23	0.38	3.42	0.31	0.23	-0.04
	Nov	8.71	-0.02	-1.71	-0.17	-0.91	-0.66	0.04	0.13	10.31	1.60	0.48	1.10	0.49	0.46	0.26	0.56	0.54	0.25	0.29	3.67	0.30	0.32	-0.02
	Dec	8.97	0.00	-1.58	-0.20	-0.81	-0.60	0.02	0.20	10.35	1.48	0.48	1.23	0.54	0.39	0.25	0.46	0.47	0.26	0.48	3.88	0.29	0.15	0.00
2022	Jan	10.52	0.00	-1.29	-0.18	-0.61	-0.52	0.02	0.37	11.44	1.75	0.61	1.40	0.63	0.32	0.18	0.59	0.47	0.30	0.94	3.82	0.31	0.10	0.01
	Feb	10.87	0.01	-1.01	-0.14	-0.44	-0.44	0.01	0.45	11.42	1.64	0.69	1.41	0.75	0.23	0.11	0.51	0.46	0.31	1.35	3.60	0.30	0.05	0.01
	Mar	11.12	0.02	-0.81	-0.08	-0.39	-0.36	0.01	0.44	11.47	1.49	0.75	1.67	0.78	0.20	0.05	0.42	0.49	0.31	1.48	3.19	0.37	0.26	0.01
	Apr	8.74	0.02	-0.68	0.00	-0.41	-0.29	0.02	0.32	9.08	0.70	0.62	1.62	0.68	0.15	0.07	0.31	0.43	0.26	1.20	2.53	0.38	0.11	0.01
	May	6.31	0.02	-0.57	0.04	-0.39	-0.25	0.02	0.31	6.54	0.09	0.53	1.20	0.52	0.13	0.09	0.37	0.38	0.19	0.77	1.82	0.34	0.10	0.00
	Jun	3.92	0.02	-0.46	0.11	-0.39	-0.20	0.02	0.29	4.09	-0.33	0.44	0.67	0.43	0.15	0.09	0.36	0.33	0.12	0.42	1.05	0.28	0.09	-0.01
	Jul	3.21	0.01	-0.40	0.11	-0.37	-0.13	0.00	0.35	3.25	-0.41	0.44	0.34	0.41	0.21	0.11	0.38	0.30	0.11	0.29	0.63	0.23	0.23	-0.01
	Aug	2.53	0.01	-0.40	0.04	-0.38	-0.06	-0.01	0.38	2.54	-0.42	0.42	0.11	0.39	0.24	0.11	0.35	0.26	0.12	0.29	0.25	0.19	0.23	0.00
	Sep	2.17	0.00	-0.36	-0.03	-0.34	0.00	0.00	0.43	2.10	-0.44	0.41	-0.05	0.39	0.18	0.12	0.41	0.25	0.14	0.33	0.05	0.13	0.18	0.01
	Oct	1.60	0.00	-0.31	-0.08	-0.25	0.03	-0.01	0.46	1.45	-0.46	0.36	-0.12	0.37	0.04	0.10	0.52	0.22	0.16	0.31	-0.25	0.10	0.10	0.00
	Nov	1.09	0.00	-0.27	-0.04	-0.26	0.03	-0.01	0.43	0.94	-0.47	0.27	0.01	0.35	-0.10	0.08	0.53	0.20	0.16	0.30	-0.53	0.11	0.06	-0.01
	Dec	1.05	0.00	-0.30	-0.03	-0.27	0.02	-0.02	0.43	0.91	-0.36	0.16	0.25	0.38	-0.16	0.06	0.56	0.25	0.15	0.27	-0.80	0.10	0.07	-0.03
2023	Jan	0.90	0.00	-0.36	-0.05	-0.30	0.00	-0.01	0.34	0.92	-0.31	0.09	0.35	0.39	-0.11	0.04	0.44	0.32	0.12	0.21	-0.76	0.09	0.10	-0.03
	Feb	0.84	0.00	-0.35	-0.08	-0.24	-0.02	-0.01	0.33	0.86	-0.24	0.05	0.28	0.33	-0.03	0.02	0.39	0.36	0.08	0.12	-0.68	0.09	0.14	-0.03
	Mar	0.57	0.00	-0.29	-0.11	-0.15	-0.02	-0.01	0.28	0.58	-0.24	0.02	0.10	0.23	0.02	0.02	0.30	0.34	0.05	0.08	-0.55	0.09	0.14	-0.02
	Apr	0.44	0.00	-0.23	-0.11	-0.07	-0.02	-0.02	0.29	0.38	-0.23	0.00	-0.01	0.22	0.03	-0.01	0.22	0.31	0.03	0.06	-0.45	0.08	0.15	-0.01
	May	0.14	0.00	-0.20	-0.13	-0.03	-0.01	-0.03	0.17	0.18	-0.22	-0.03	-0.03	0.22	-0.01	-0.03	0.06	0.25	0.04	0.06	-0.33	0.08	0.13	-0.01
	Jun	0.57	0.00	-0.06	-0.13	0.12	-0.01	-0.03	0.18	0.45	-0.13	-0.02	-0.02	0.27	-0.05	-0.07	-0.05	0.28	0.05	0.05	-0.05	0.09	0.12	-0.01
	Jul	0.51	0.00	0.04	-0.14	0.20	-0.01	-0.02	0.17	0.31	-0.08	-0.07	-0.02	0.25	-0.09	-0.10	-0.14	0.28	0.04	0.01	0.03	0.12	0.09	-0.01
	Aug	0.77	0.00	0.19	-0.11	0.32	0.01	-0.02	0.21	0.38	-0.05	-0.12	0.02	0.23	-0.09	-0.11	-0.14	0.29	0.03	0.02	0.11	0.12	0.07	-0.01
	Sep	0.71	0.00	0.17	-0.10	0.29	0.00	-0.02	0.16	0.38	-0.02	-0.18	0.07	0.23	-0.04	-0.12	-0.10	0.26	0.01	0.04	0.06	0.14	0.04	-0.01
Oct	0.67	0.00	0.14	-0.07	0.22	0.00	-0.01	0.12	0.12	0.41	-0.02	-0.19	0.10	0.22	0.01	-0.13	-0.12	0.24	0.00	0.09	0.07	0.11	0.02	0.00

CONTRIB 2

Monthly GDP based on GVA (Gross Value Added) <sup>1</sup>  
Contributions to growth of gross value added at basic prices <sup>2,3,4,5</sup>

seasonally adjusted 2019=100

	Industry sections (SIC2007)																							Activities of households
	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	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	

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
2021	Oct	0.35	0.01	-0.10	-0.03	-0.08	-0.02	0.03	-0.01	0.46	0.05	0.07	-0.26	0.15	0.12	0.02	-0.29	0.08	-0.04	0.02	0.43	0.01	0.08	0.01
	Nov	0.73	-0.01	0.19	-0.04	0.19	0.04	-0.01	0.11	0.44	-0.08	0.06	-0.11	0.02	0.08	-0.01	0.21	0.01	0.04	-0.02	0.21	0.02	-0.02	0.02
	Dec	-0.51	-0.01	0.03	-0.01	0.00	0.03	0.00	0.03	-0.60	-0.23	0.02	-0.32	-0.05	0.00	0.00	0.04	-0.06	0.02	0.01	0.03	0.00	-0.07	0.01
2022	Jan	0.51	0.00	-0.04	0.04	-0.11	0.02	0.01	0.08	0.47	0.15	0.07	0.19	0.26	-0.09	-0.01	-0.01	0.00	0.03	0.23	-0.37	0.00	0.03	0.00
	Feb	0.53	0.00	-0.04	0.00	-0.03	0.00	0.00	0.00	0.55	-0.13	0.02	0.35	0.09	-0.03	0.03	0.06	0.07	0.02	0.02	0.05	0.02	-0.01	-0.01
	Mar	0.14	0.00	-0.03	0.01	-0.02	-0.02	0.00	0.08	0.08	-0.10	0.02	0.03	-0.11	-0.01	0.01	0.09	0.05	0.00	-0.02	0.05	0.06	0.02	-0.01
	Apr	-0.21	0.00	-0.01	0.01	-0.05	0.01	0.02	0.02	-0.23	0.10	-0.04	0.02	0.05	-0.01	0.04	0.03	0.02	-0.01	0.04	-0.46	0.01	-0.03	0.00
	May	0.68	0.00	0.04	0.01	0.07	-0.01	-0.03	0.14	0.50	-0.13	0.04	0.03	0.07	0.03	0.02	0.23	0.09	-0.01	0.03	0.08	-0.02	0.05	0.00
	Jun	-0.99	0.00	-0.17	-0.02	-0.16	-0.01	0.02	-0.16	-0.66	-0.10	-0.02	0.02	-0.07	0.02	-0.01	-0.08	-0.10	0.01	-0.01	-0.36	0.03	0.00	0.01
	Jul	0.43	0.00	-0.05	0.04	-0.05	0.00	-0.03	0.04	0.38	0.05	0.11	-0.04	0.03	0.03	0.01	0.02	0.04	0.03	0.02	0.04	0.00	0.05	-0.01
	Aug	0.06	0.00	-0.12	-0.07	-0.05	-0.01	0.01	0.02	0.17	0.04	0.03	-0.08	0.08	-0.04	0.00	0.10	0.04	0.03	-0.02	0.05	-0.04	-0.02	-0.01
	Sep	-0.59	0.00	0.01	0.00	0.00	0.01	0.00	-0.04	-0.56	-0.22	0.00	-0.03	-0.15	-0.10	-0.02	-0.06	-0.05	0.01	-0.02	0.05	0.00	0.02	0.00
	Oct	0.68	0.00	0.04	-0.02	0.10	-0.02	-0.02	0.08	0.56	0.20	0.01	0.01	0.06	-0.03	0.03	0.09	0.08	0.00	0.01	0.02	0.07	0.00	0.00
	Nov	0.06	0.00	-0.02	0.02	-0.06	0.00	0.02	0.00	0.08	-0.03	-0.08	0.03	0.12	0.03	-0.06	-0.03	0.06	0.00	0.01	0.04	-0.02	0.01	0.00
2023	Dec	-0.31	0.00	0.00	-0.06	0.02	0.03	0.01	0.11	-0.42	-0.07	-0.11	-0.02	0.04	0.04	-0.01	0.01	0.03	-0.01	-0.09	-0.18	-0.04	0.00	0.00
	Jan	0.52	0.00	0.00	-0.02	0.03	-0.01	0.00	-0.14	0.66	0.09	0.12	0.03	0.09	0.05	0.01	-0.10	0.07	0.00	0.13	0.11	0.04	0.03	0.00
	Feb	0.15	0.00	-0.01	0.02	0.00	-0.01	-0.01	0.16	0.01	-0.03	-0.03	0.01	-0.01	0.02	-0.01	0.02	0.05	-0.04	-0.06	0.03	0.02	0.04	0.00
	Mar	-0.31	0.00	0.09	-0.02	0.07	0.02	0.02	0.01	-0.40	-0.15	-0.05	-0.02	-0.12	-0.02	0.02	-0.04	-0.06	0.00	0.05	-0.03	0.02	-0.02	0.00
	Apr	0.23	0.00	0.03	0.00	0.05	-0.01	-0.02	-0.04	0.23	0.10	0.00	0.08	0.12	-0.03	-0.02	-0.03	0.07	0.01	-0.01	-0.05	0.00	0.00	0.00
	May	-0.22	0.00	-0.06	0.00	-0.02	-0.03	-0.02	-0.08	-0.08	-0.04	-0.01	-0.03	0.02	-0.05	-0.01	-0.06	-0.03	0.00	0.00	0.10	0.04	-0.01	0.00
	Jun	0.73	0.00	0.32	-0.01	0.27	0.03	0.03	0.15	0.27	0.06	0.01	0.05	0.08	-0.01	-0.02	-0.05	0.06	0.01	0.04	0.04	-0.01	0.01	0.00
	Jul	-0.58	0.00	-0.14	0.00	-0.13	0.00	-0.02	-0.04	-0.40	-0.05	-0.04	-0.03	-0.14	0.02	-0.04	0.04	-0.02	0.01	-0.11	-0.14	0.10	0.01	0.00
	Aug	0.12	0.00	-0.06	0.02	-0.06	-0.01	-0.01	-0.05	0.23	0.06	0.01	0.00	0.07	0.02	0.02	0.06	-0.01	0.01	0.11	0.06	-0.12	-0.05	0.00
	Sep	0.19	0.00	0.01	-0.02	0.01	0.00	0.02	0.02	0.16	-0.04	-0.02	0.02	0.03	-0.02	-0.03	0.07	-0.02	0.01	0.04	0.07	0.04	0.01	0.00
	Oct	-0.28	0.00	-0.10	0.00	-0.10	-0.02	0.02	-0.03	-0.15	0.01	0.01	-0.01	-0.13	-0.01	0.01	-0.05	0.04	0.00	-0.03	0.03	0.01	-0.02	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
2021	Oct	7.63	-0.01	-1.78	-0.18	-0.96	-0.68	0.04	0.08	9.35	1.41	0.48	0.86	0.44	0.48	0.26	0.25	0.50	0.22	0.15	3.68	0.25	0.39	-0.02
	Nov	10.66	0.00	-1.64	-0.17	-0.90	-0.60	0.04	0.17	12.13	1.86	0.52	1.74	0.58	0.48	0.27	0.66	0.59	0.28	0.40	4.00	0.38	0.37	0.01
	Dec	8.64	0.00	-1.34	-0.23	-0.58	-0.52	-0.01	0.36	9.61	1.19	0.45	1.09	0.59	0.22	0.23	0.47	0.32	0.29	0.90	3.95	0.24	-0.32	0.01
2022	Jan	12.31	0.01	-0.90	-0.14	-0.36	-0.44	0.03	0.58	12.62	2.23	0.86	1.39	0.72	0.25	0.05	0.65	0.50	0.32	1.54	3.52	0.32	0.25	0.01
	Feb	11.72	0.02	-0.79	-0.05	-0.40	-0.35	0.01	0.42	12.07	1.52	0.75	1.74	0.95	0.21	0.04	0.42	0.56	0.32	1.64	3.34	0.34	0.23	0.01
	Mar	9.40	0.02	-0.74	-0.05	-0.41	-0.28	0.01	0.33	9.78	0.74	0.65	1.86	0.67	0.13	0.07	0.20	0.40	0.30	1.28	2.73	0.45	0.28	0.02
	Apr	5.29	0.03	-0.52	0.10	-0.42	-0.24	0.04	0.22	5.57	-0.12	0.46	1.27	0.42	0.10	0.10	0.32	0.35	0.17	0.73	1.57	0.36	-0.17	0.00
	May	4.37	0.02	-0.46	0.09	-0.33	-0.23	0.01	0.38	4.43	-0.32	0.49	0.50	0.48	0.15	0.11	0.58	0.40	0.10	0.33	1.20	0.22	0.19	-0.01
	Jun	2.15	0.01	-0.41	0.15	-0.43	-0.14	0.00	0.26	2.30	-0.55	0.36	0.27	0.39	0.19	0.05	0.18	0.23	0.10	0.20	0.39	0.26	0.25	-0.02
	Jul	3.13	0.01	-0.32	0.10	-0.36	-0.04	-0.02	0.41	3.04	-0.38	0.46	0.24	0.36	0.30	0.17	0.38	0.26	0.12	0.33	0.32	0.22	0.26	0.00
	Aug	2.29	0.00	-0.47	-0.12	-0.35	0.00	0.00	0.49	2.27	-0.35	0.42	-0.19	0.43	0.23	0.12	0.48	0.30	0.14	0.36	0.05	0.09	0.17	0.01
	Sep	1.10	0.00	-0.30	-0.06	-0.30	0.04	0.02	0.41	0.99	-0.59	0.36	-0.21	0.38	0.02	0.08	0.35	0.18	0.15	0.29	-0.20	0.08	0.10	0.00
	Oct	1.43	-0.01	-0.15	-0.05	-0.11	0.04	-0.04	0.49	1.10	-0.44	0.30	0.06	0.29	-0.13	0.10	0.73	0.18	0.19	0.28	-0.61	0.14	0.02	-0.01
	Nov	0.75	0.00	-0.36	0.01	-0.36	0.01	-0.01	0.38	0.73	-0.39	0.16	0.19	0.39	-0.19	0.04	0.49	0.24	0.14	0.31	-0.78	0.10	0.05	-0.03
Dec	0.96	0.00	-0.39	-0.05	-0.34	0.01	-0.01	0.43	0.91	-0.24	0.03	0.50	0.47	-0.14	0.03	0.46	0.33	0.12	0.21	-1.00	0.06	0.12	-0.04	
2023	Jan	0.97	0.00	-0.35	-0.11	-0.20	-0.02	-0.01	0.21	1.11	-0.29	0.08	0.35	0.30	0.00	0.04	0.37	0.39	0.09	0.11	-0.52	0.10	0.12	-0.03
	Feb	0.60	0.00	-0.32	-0.09	-0.17	-0.04	-0.02	0.36	0.56	-0.20	0.03	0.00	0.20	0.04	0.00	0.33	0.37	0.02	0.03	-0.53	0.10	0.17	-0.02
	Mar	0.15	0.00	-0.20	-0.12	-0.08	0.00	-0.01	0.28	0.07	-0.25	-0.04	-0.05	0.19	0.03	0.01	0.20	0.27	0.03	0.10	-0.61	0.07	0.13	-0.01
	Apr	0.59	0.00	-0.16	-0.13	0.03	-0.01	-0.04	0.23	0.53	-0.25	0.01	0.01	0.26	0.01	-0.04	0.13	0.31	0.04	0.05	-0.20	0.06	0.16	-0.01
	May	-0.31	0.00	-0.25	-0.13	-0.05	-0.03	-0.04	0.01	-0.06	-0.15	-0.04	-0.05	0.20	-0.07	-0.08	-0.16	0.19	0.05	0.02	-0.18	0.12	0.10	-0.01
	Jun	1.43	0.00	0.23	-0.12	0.37	0.00	-0.02	0.32	0.88	0.01	-0.01	-0.02	0.35	-0.10	-0.08	-0.13	0.35	0.05	0.07	0.22	0.08	0.11	-0.02
	Jul	0.41	0.00	0.13	-0.16	0.30	0.01	-0.01	0.18	0.09	-0.09	-0.16	0.00	0.18	-0.11	-0.13	-0.12	0.28	0.03	-0.06	0.04	0.18	0.07	-0.01
	Aug	0.46	0.00	0.19	-0.06	0.28	0.01	-0.03	0.11	0.16	-0.08	-0.18	0.08	0.16	-0.05	-0.11	-0.15	0.23	0.01	0.07	0.05	0.10	0.04	0.00
	Sep	1.25	0.00	0.19	-0.08	0.29	-0.01	-0.01	0.17	0.89	0.10	-0.20	0.13	0.34	0.04	-0.12	-0.03	0.27	0.00	0.12	0.08	0.14	0.02	0.00
Oct	0.29	0.00	0.04	-0.06	0.08	0.00	0.03	0.07	0.18	-0.09	-0.19	0.10	0.15	0.06	-0.14	-0.17	0.22	0.00	0.08	0.08	0.08	0.08	0.00	