

Statistical bulletin

# GDP monthly estimate, UK: May 2024

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.

Contact: Gross Domestic Product team gdp@ons.gov.uk +44 1633 455284 Release date: 11 July 2024 Next release: 15 August 2024

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### 1. Main points

- Monthly real gross domestic product (GDP) is estimated to have grown by 0.4% in May 2024 after showing no growth in April 2024 (unrevised from our last publication).
- Real gross domestic product is estimated to have grown by 0.9% in the three months to May 2024 compared with the three months to February 2024, driven by a growth of 1.1% in services output.
- Services output grew by 0.3% in May 2024, following growth of 0.3% in April 2024 (revised up from 0.2% growth in our last publication), and was the largest contributor to monthly GDP growth in May 2024.
- Production output grew by 0.2% in May 2024 following an unrevised fall of 0.9% in April 2024, and showed no growth in the three months to May 2024.
- Construction output grew by 1.9% in May 2024, following a fall of 1.1% in April 2024 (revised up from a fall of 1.4% in our last publication), and fell by 0.7% in the three months to May 2024.

### 2. Monthly GDP

Real gross domestic product (GDP) is estimated to have grown by 0.9% in the three months to May 2024, compared with the three months to February 2024. This is the strongest three-monthly growth since January 2022. Services output was the main contributor, with a growth of 1.1% in this period, while production output showed no growth and construction fell by 0.7%.

Monthly real GDP is estimated to have grown by 0.4% in May 2024, after showing no growth in April 2024 (unrevised from our last publication).

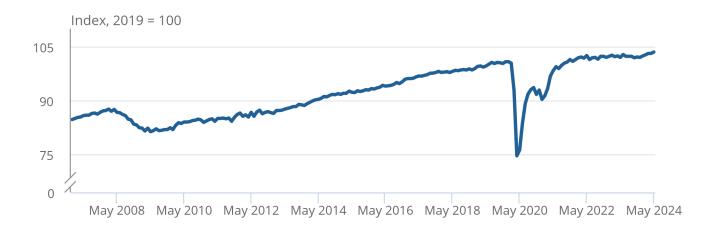
This bulletin contains revisions to April 2024 data for the first time, and also takes on revisions from January 2024 to March 2024, consistent with our <u>GDP quarterly national accounts</u>, UK: January to March 2024 bulletin published on 28 June 2024. It is important to note that early estimates of GDP are subject to revision (positive and negative). Please see our <u>Why GDP figures are revised article</u> for more information.

# Figure 1: UK GDP is estimated to have grown by 0.4% in May 2024, and by 0.9% in the three months to May 2024

#### Monthly index, January 2007 to May 2024, UK

Figure 1: UK GDP is estimated to have grown by 0.4% in May 2024, and by 0.9% in the three months to May 2024

Monthly index, January 2007 to May 2024, UK



#### Source: GDP monthly estimate from the Office for National Statistics

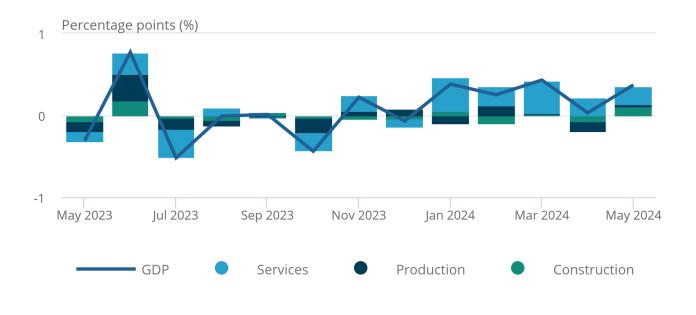
All three main sectors contributed positively to GDP growth in May 2024. Services output grew by 0.3% in May 2024 and was the largest contributor to the growth in GDP during the month. Production and construction output also increased by 0.2% and 1.9%, respectively.

#### Figure 2: All three main sectors contributed positively to GDP growth in May 2024

#### Contributions to monthly GDP growth, May 2023 to May 2024, UK

# Figure 2: All three main sectors contributed positively to GDP growth in May 2024

Contributions to monthly GDP growth, May 2023 to May 2024, 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.

Looking over the longer term, GDP is estimated to have grown by 1.0% in the three months to May 2024 compared with the three months to May 2023 and estimated to have grown by 1.4% in May 2024 compared with the same month last year.

When considering growth to May 2023, it is worth noting that there was an additional bank holiday for the coronation of King Charles III on Monday 8 May 2023. There was no explicit adjustment for this ad hoc event, though adjustments are made for regular calendar effects. 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.

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### 3. The services sector

Overall, the services sector is estimated to have grown by 1.1% in the three months to May 2024, compared with the three months to February 2024. This is the strongest three-monthly growth rate since December 2021. There was widespread growth, with output in 10 of the 14 sub-sectors rising over this period.

Professional, scientific and technical activities was the largest positive contributor to the rise in services output in this three-month period, growing by 2.5% in the three months to May 2024. The next largest contribution came from administrative and support service activities, which grew by 3.2%, and from human health and social work activities where output rose by 1.7%.

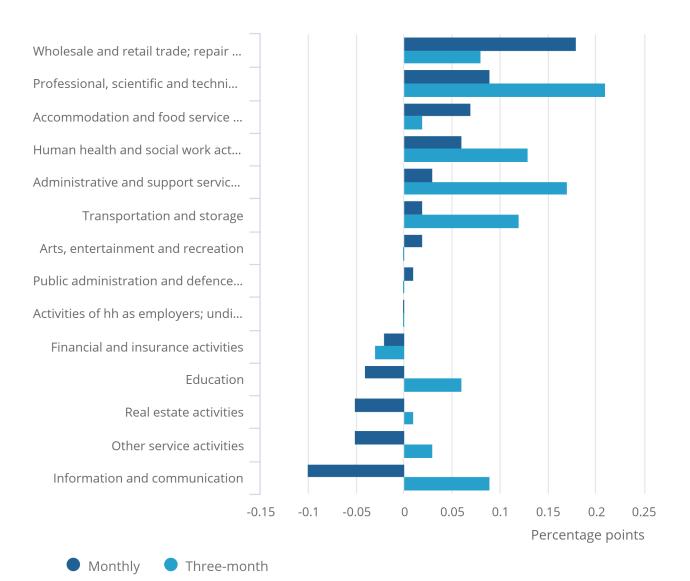
On the month, services output is estimated to have grown by 0.3% in May 2024, following a rise of 0.3% in April 2024 (revised up from a growth of 0.2% in our last publication), with 8 of the 14 services subsectors showing growth in May 2024. This is the fifth consecutive monthly growth in services output. Figure 3 shows both the monthly and the three-month contributions from the services sector to GDP growth in May 2024.

# Figure 3: The wholesale and retail trade; repair of motor vehicles and motorcycles subsector was the largest contributor to the growth in services output in May 2024

#### Monthly and three-month services contributions to GDP, May 2024 (Percentage points)

### Figure 3: The wholesale and retail trade; repair of motor vehicles and motorcycles subsector was the largest contributor to the growth in services output in May 2024

Monthly and three-month services contributions to GDP, May 2024 (Percentage points)



#### 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 largest positive contribution at the sub-sector level in services in May 2024 came from the wholesale and retail trade; repair of motor vehicles and motorcycles sub-sector, which rose by 1.8% during the month. This was driven by growth of 2.9% in the retail trade, except of motor vehicles and motorcycles industry, after a fall of 1.8% in April 2024. Please see our <u>Retail Sales</u>, <u>Great Britain: May 2024 bulletin</u> for more information on this industry's monthly movements. There was also growth in the wholesale trade, except of motor vehicles and motorcycles industry, of 1.4% in May 2024.

Professional, scientific and technical activities also contributed positively to the month, growing by 1.0% in May 2024 - its fourth consecutive monthly growth. The growth in May 2024 was mainly caused by a 3.5% rise in scientific research and development, and a 2.2% growth in architectural and engineering activities; technical testing and analysis.

Accommodation and food service activities also saw growth on the month, up 2.4%. The subsector saw growth in both industries, with accommodation and food and beverage service activities growing by 4.6% and 1.5% respectively.

The largest negative contribution to services growth in May 2024 came from information and communication, down 1.4%, following growth of 2.8% in April 2024 (revised up from growth of 2.3% in our last publication). The subsector saw falls in 4 out of the 6 industries, with the largest contribution coming from a fall of 2.8% in computer programming, consultancy and related activities.

An overview of data sources used in our estimates of service output can be found in our <u>GDP(o) data sources</u> <u>catalogue</u>. The Monthly Business Survey (MBS) is used for 42.9% of the services sector by industry weight. In May 2024, the turnover response rate for the MBS element of the services sector was 86.6%. We would expect this to increase over time as more responses are received. Any new data will be included in future monthly GDP releases. For context, the average turnover response rate for the service sector in 2022 and 2023 now stand at 97.0% and 97.4%, respectively.

### **Consumer-facing services**

Consumer-facing services grew by 0.5% in the three months to May 2024, compared with the three months to February 2024. The main drivers of the growth were a 0.9% rise in output in retail trade, except of motor vehicles and motorcycles, 3.6% growth in other personal services, and 1.7% growth in food and beverage service activities. The largest negative contributor was buying and selling, renting and operating of own or leased real estate, which fell by 0.8% in the three months to May 2024.

Output in consumer-facing services grew by 0.8% in May 2024, following a fall of 0.6% in April 2024 (revised up from a fall of 0.7% in our last publication). The main drivers of the growth in May 2024 were a 2.9% growth in retail trade, except of motor vehicles and motorcycles, and a 4.6% growth in the accommodation industry. More information on retail trade, except of motor vehicles and motorcycles, can be found in our <u>Retail sales</u>. <u>Great</u> <u>Britain: May 2024 bulletin</u>. The largest negative contribution came from buying and selling, renting and operating of own or leased real estate, which fell by 1.4% in May 2024. More information on consumer-facing services data is available in our <u>Consumer-facing services May 2024 dataset</u>.

# Figure 4: The retail trade, except of motor vehicles and motorcycles industry, was the largest contributor to the growth in consumer-facing services in May 2024

Monthly and three-monthly consumer-facing services industry contributions to consumer-facing services output, May 2024, UK

### Figure 4: The retail trade, except of motor vehicles and motorcycles industry, was the largest contributor to the growth in consumer-facing services in May 2024

Monthly and three-monthly consumer-facing services industry contributions to consumer-facing services output, May 2024, UK



#### Source: GDP monthly estimate from the Office for National Statistics

Notes:

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

More detailed breakdowns on services are available in our Index of Services, UK: May 2024 bulletin.

### 4. The production sector

Production output is estimated to have showed no growth in the three months to May 2024 compared with the three months to February 2024. A 1.0% growth in electricity gas steam and air conditioning supply, 0.6% growth in mining and quarrying and a 1.5% growth in water supply, sewerage, waste management and remediation activities were offset by a 0.3% fall in manufacturing.

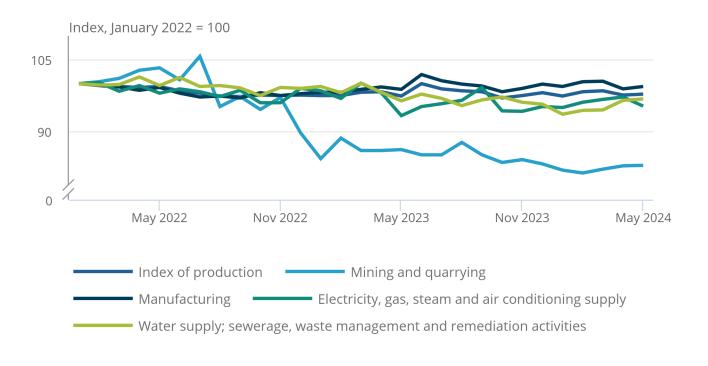
On the month, production output is estimated to have grown by 0.2% in May 2024, following an unrevised fall of 0.9% in April 2024. The largest contribution to the growth in May 2024 was a 0.4% growth in manufacturing. Water supply, sewerage, waste management and remediation activities, and mining and quarrying also grew by 0.4% and 0.1%, respectively. These were partially offset by a fall of 1.9% in electricity, gas, steam and air conditioning supply.

# Figure 5: Production output grew by 0.2% in May 2024, but showed no growth in the three months to May 2024

#### Monthly index, January 2022 to May 2024, UK

Figure 5: Production output grew by 0.2% in May 2024, but showed no growth in the three months to May 2024

Monthly index, January 2022 to May 2024, 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.

Electricity, gas steam and air conditioning supply output fell by 1.9% in May 2024, following growth of 0.5% in April 2024, with falls of 2.0% in electric power generation, transmission and distribution and 1.4% in the manufacture of gas; distribution of gaseous fuels through mains; steam and air conditioning supply.

Mining and quarrying output grew by 0.1% in May 2024, following a growth of 0.9% in April 2024. The growth in May 2024 was driven by a 3.8% monthly rise in other mining and quarrying.

Water supply, sewerage, waste management and remediation activities output grew by 0.4% in May 2024, following growth of 2.0% in April 2024. Two of the four industries within the sub-sector grew in May 2024, with the largest contribution coming from growth of 3.6% in waste collection, treatment and disposal activities; materials recovery. The growth was partially offset by falls of 2.6% in sewerage, and 0.4% in water collection, treatment and supply.

Manufacturing output grew by 0.4% in May 2024 and was the largest contributor to the growth in production output in the month, following a fall of 1.6% in April 2024. Output increased in 7 of the 13 sub-sectors in manufacturing in May 2024. The largest positive contributions in manufacturing came from the manufacture of food products, beverages and tobacco, which grew by 1.7% after a fall of 2.1% in April 2024, and growth of 1.6% in other manufacturing and repair. The largest negative contribution in manufacturing came from a fall of 0.7% in manufacture of transport equipment.

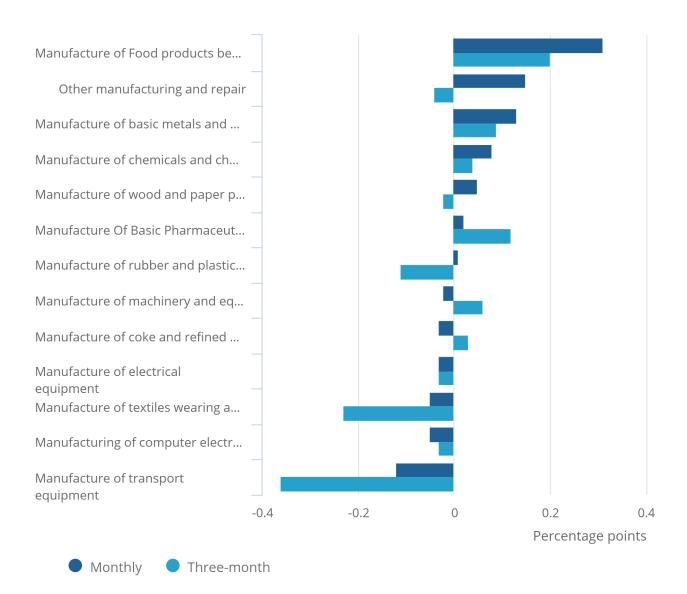
Figure 6 shows both the monthly and three-month contributions to manufacturing output from each of the manufacturing sub-sectors.

# Figure 6: Manufacture of food products, beverages and tobacco was the largest contributor to the growth in manufacturing output in May 2024

Monthly and three-month manufacturing sub-sectors contributions to manufacturing output, May 2024, UK

### Figure 6: Manufacture of food products, beverages and tobacco was the largest contributor to the growth in manufacturing output in May 2024

Monthly and three-month manufacturing sub-sectors contributions to manufacturing output, May 2024, UK



#### Source: GDP monthly estimate from the Office for National Statistics

#### Notes:

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

The turnover response rate for the Monthly Business Survey (MBS) element of the production sector was 86.5% in May 2024. We would expect this to increase over time as more responses from businesses are received. Any new data will be included in future monthly gross domestic product (GDP) releases, in line with the National Accounts revision policy. For context, the average turnover response rate for the production sector in 2022 and 2023 now stand at 96.9% and 97.5%, respectively. A full set of data sources used in monthly GDP can be found in our <u>GDP(o) data sources catalogue</u>.

More detailed breakdowns on production are available in our Index of Production, UK: May 2024 bulletin.

### 5. The construction sector

Construction output is estimated to have fallen by 0.7% in the three months to May 2024, compared with the three months to February 2024. New work decreased by 0.9% over the period, and repair and maintenance fell by 0.3%. Within new work, the largest contributor to the fall came from public housing new work, which decreased by 10.3%.

Monthly construction output is estimated to have grown by 1.9% in May 2024, which follows a fall of 1.1% in April 2024 (revised up from a fall of 1.4% in our last publication). The growth in monthly output in May 2024 came from increases in both new work (2.7%) and repair and maintenance (0.8%).

Eight out of the nine construction sectors saw growth in May 2024. The main contributors to the monthly increase were a 2.8% increase in new housing work, with both private and public new housing output increasing on the month, infrastructure new work which rose by 3.5% in May 2024 and non-housing repair and maintenance, which grew by 2.1%, on the month.

Evidence received from returns for the <u>Monthly Business Survey (MBS) for Construction and Allied Trades</u> noted warmer weather contributed to increased output in May. The Met Office confirmed in their <u>Monthly Weather</u> <u>Report (PDF, 4.6MB)</u> that May 2024 was the warmest May on record; the month started and ended with rain and storms, but the middle of the month saw more settled, warmer weather.

#### Figure 7: Construction output grew by 1.9% in May 2024, but fell by 0.7% in the three months to May 2024

#### Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to May 2024

### Figure 7: Construction output grew by 1.9% in May 2024, but fell by 0.7% in the three months to May 2024

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to May 2024



#### Source: Output and Employment from the Office for National Statistics

Construction data are sourced from our Monthly Business Survey (MBS). For May 2024, the survey turnover response rate for construction was 77.0%. We would expect this to increase over time as more responses are received. Any new data will be included in future monthly gross domestic product (GDP) releases. For context, the average turnover response rates in 2022 and 2023 now stand at 94.7% and 94.9%, respectively.

Further detail on construction output growth rates can be found in our <u>Construction output in Great Britain: May</u> 2024 bulletin.

### 6. Cross-industry themes

There were some common themes that have played a part in performance across different industries, according to anecdotal reports collected as part of our monthly surveys. However, it is difficult to quantify their exact effect.

The hospitality sector saw growth in May 2024. Monthly growth was seen in accommodation - mainly coming from hotels, and to a lesser extent holiday and other short-stay accommodation - and food and beverage services activities, across all of "restaurants and takeaways", and "pubs and bars". This growth in the hospitality sector is further supported by strong increases in numerous industries in the manufacture of food products and beverages, most notably the manufacture of alcoholic beverages, and specifically beer.

Comments provided for May 2024 suggested that the construction, retail, and accommodation sectors were affected by unseasonal weather patterns across both April, which was wetter than normal, and May, which saw warm weather. UK overall rainfall in April 2024 was 155% of the long-term average, and May 2024 was the warmest on record since records began in 1884, according to the Met Office's Monthly Climate Summaries. See the Met Office's April 2024 Weather Report (PDF, 5.8MB) and its May 2024 Weather Report (PDF, 4.6MB).

### 7. Revisions to Monthly GDP

This bulletin contains revisions to April 2024 data for the first time. It also takes on revisions from January 2024 to March 2024, consistent with our <u>GDP quarterly national accounts</u>, UK: January to March 2024 bulletin.

It is important to note that early estimates of GDP are subject to revision (positive and negative). Please see our <u>Why GDP figures are revised article</u> for more information. Table 1 shows the revisions to monthly GDP and main sectors for January 2024 to April 2024, since our last monthly publication on 12 June 2024.

	Jan 2024	Feb 2024	Mar 2024	Apr 2024
GDP	0.1	0.0	0.0	0.0
Services	0.1	0.0	0.0	0.1
Production	-0.2	0.0	0.0	0.0
Construction	-0.2	0.4	0.6	0.3

Source: GDP monthly estimate from Office for National Statistics

Notes

- 1. Revisions are rounded to one decimal place and calculated based on the one decimal place indexes.
- 2. Further information on current and past revisions can be found in our Revision Triangles dataset

The upwards revision to services in April 2024 is mainly because of late or updated Monthly Business Survey (MBS) data in the wholesale trade, except of motor vehicles and motorcycles, and computer programming, consultancy and related activities industries.

The upwards revision to construction in April 2024 is mainly because of late and updated MBS data for both the new work, and repair and maintenance sub-sectors.

Details on the revisions to monthly GDP from January 2024 to March 2024 are provided in our <u>GDP quarterly</u> national accounts, UK: January to March 2024 bulletin.

### 8. Data on monthly GDP

#### Monthly gross domestic product by gross value added

Dataset | Released 11 July 2024

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

#### Contributions to monthly GDP

Dataset | Released 11 July 2024

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

Monthly gross domestic product: time series

Dataset MGDP | Released 11 July 2024 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 July 2024 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 July 2024 Comparison of gross domestic product (GDP) first estimates against estimates published later.

#### Consumer-facing services

Dataset | Released 11 July 2024 Monthly index values for Consumer-Facing Services, broken down by industry, to one decimal place.

#### Monthly GDP low level industry data

Dataset | Released 11 July 2024

Monthly chained volume measures of gross value added (GVA) by industry.

### 9. Glossary

### 10 . Measuring the data

The level of accuracy of growth rates in these statistics is one decimal place. Growth rates can be calculated to more than one decimal place using our monthly gross domestic product (GDP) and main sectors data. However, where a series is estimated to have shown no growth over a period, looking at further decimal places to gauge a direction is not recommended because of increasing levels of uncertainty.

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

- Index of Services, UK: May 2024
- Index of Production, UK: May 2024
- <u>Construction output in Great Britain: May 2024</u>

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

- Index of Services response rates
- Index of Production response rates
- <u>Construction response rates</u>

The Monthly 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 why these would not provide the same estimate of where the economy is, relative to its pre-coronavirus (COVID-19) pandemic levels. This is mainly because the monthly estimate of GDP is based on only the output measure of GDP, while quarterly estimates of GDP reflect the average of the three approaches (output, income and expenditure).

Estimates for the construction industry in monthly GDP will differ to those published in the construction output release, because they account for both 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.

### **Consumer-facing services industry classification**

The industry breakdown used for consumer-facing services is based on the <u>UK Standard Industrial Classification</u> (SIC).

The following list contains the full SIC names of industries included in consumer-facing services:

- Wholesale and retail trade and repair of motor vehicles and motorcycles
- Retail trade, except of motor vehicles and motorcycles
- Rail transport
- Accommodation
- Food and beverage service activities
- Buying and selling, renting and operating of own or leased real estate, excluding imputed rental
- Veterinary activities
- Travel agency, tour operator and other reservation service and related activities
- Gambling and betting services
- · Sports activities and amusement and recreation activities
- Activities of membership organisations
- Other personal service activities
- Activities of households as employers of domestic personnel

### Blue Book 2024 publication update

The <u>UK National Accounts</u>, <u>The Blue Book 2024</u> scheduled for 31 July 2024 has now been moved to the more usual timetable of 31 October 2024 to allow us further time to update the <u>base year</u> from 2019 to 2022 and assure the quality of these granular data. The <u>UK Balance of Payments</u>, <u>The Pink Book</u>: <u>2024</u> has also been moved.

This means that Blue Book 2024 consistent data will be included for the first time in our <u>GDP quarterly national</u> accounts, UK: April to June 2024 bulletin, published on 30 September 2024. Additionally, a new publication that focuses on Blue Book aggregates up to the end of 2022 will be published at 7am on 7 August 2024, this will give top-level GDP for years and quarters up to 2022 including expenditure and income components. The dataset will be re-referenced and re-based to 2022 equals 100.

These revisions will be included in our <u>GDP monthly estimate</u>, UK: August 2024 bulletin publication on 11 October 2024.

The revision period for the June 2024 quarterly National Accounts will now be for Quarter 1 (Jan to Mar) 2024 only, in line with our standard National Accounts revisions policy.

### 11. Strengths and limitations

These accredited official statistics were independently reviewed by the Office for Statistics Regulation in March 2015. They comply with the standards of trustworthiness, quality and value in <u>the Code of Practice for Statistics</u> and should be labelled "accredited official statistics".

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our <u>Gross domestic product (GDP) Quality and Methodology Information (QMI)</u>.

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 for highlighting one-off changes that can be masked by three-month growth rates.

### 12. Related links

#### Index of Services, UK: May 2024

Bulletin | Released 11 July 2024 Monthly movements in output for the services industries.

#### Index of Production, UK: May 2024

Bulletin | Released 11 July 2024 Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.

#### Construction output in Great Britain: May 2024

Bulletin | Released 11 July 2024 Short-term measures of output by construction industry in May 2024.

GDP quarterly national accounts, UK: January to March 2024

Bulletin | Released 28 June 2024 Revised quarterly estimate of gross domestic product (GDP) for the UK. Uses additional data to provide a more precise indication of economic growth than the first estimate.

#### 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 (COVIS-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.

#### Why GDP figures are revised

Article | Released 12 February 2024 Learn more about how gross domestic product (GDP) figures are revised over time between the monthly, quarterly and annual estimates.

#### 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.

### 13. Cite this bulletin

Office for National Statistics (ONS), released 11 July 2024, ONS website, statistical bulletin, <u>GDP monthly</u> <u>estimate, UK: May 2024</u>

**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>

GVA1	Chained volume in	ndices of gross	value added at	basic prices	2,3,4,5								easonally adjuste	d 2019=100									
										Wholesale		Industry sectio	lis (SIC2007)										Activities of
	Total GVA at	Agriculture,	Total			Electricity	Water supply,		Total	and retail: repair of		Accommodation and food	Information	Financial		Professional, scientific	Administrative and support ac	Public dministration		Human health	Arts,	Other	households as employers,
	basic prices	forestry and fishing	production industries	Mining & quarrying	Manufacturing	gas, steam and air	sewerage etc	Construction 6	service industries	motor vehicles and motorcycles	Transport and storage	service activities	and Communication	and insurance activities	Real estate activities	and technical activities	service activities	and defence	Education	and social work activities	entertainment and recreation	service activities	undifferentiated goods and services
Section 2019 weights	A-T 1000	A 7	B-E 136	B	C 98	D 15	E	F 62	G-T 794	G 102	H 41	ا 30	J 63	K 82	L 131	M	N 52	0 49	P	Q 77	R 15	S 17	T 2
2019 Weights	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	12 L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L20C	75 L2OI	L20X	L2P8	58 L2PA	L2PC	L2PJ	L2PP	L2PT
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 2021	90.0 97.6	90.7 84.6	102.3 98.3	100.1 76.7	102.2 103.8	105.0 71.3	101.6 106.0	87.4 96.0	88.1 97.7	84.4 100.4	68.4 74.7	62.2 81.6	106.0 114.6	98.4 103.8	99.5 101.1	96.0 105.4	84.8 91.7	94.8 96.8	79.6 90.5	70.0 94.5	71.2 82.8	82.7 90.9	77.9 74.4
2022 2023	101.9 102.3	85.8 85.8	95.0 94.6	75.9 65.5	100.4 101.5	63.4 62.1	106.4 103.9	102.5 104.6	103.2 103.5	101.0 99.2	84.9 83.8	101.2 99.6	121.8 123.2	104.8 104.1	101.7 101.2	111.3 111.7	97.8 103.1	100.5 101.7	100.2 102.4	104.8 103.9	97.5 103.6	98.9 103.8	79.9 72.0
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ЕСҮН	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2022 May	102.5	86.1	95.9	79.2	101.3	63.2	106.3	103.5	103.6	101.0	84.3	104.2	121.9	105.2	101.9	112.7	98.8	99.6	100.6	105.7	98.2	98.2	83.2
Jun Jul	101.4 101.9	86.2 86.3	95.0 94.5	77.3 81.1	100.1 99.3	63.7 63.3	108.1 106.1	100.9 103.0	102.7 103.2	100.0 100.3	83.7 87.6	104.4 103.5	120.5 121.7	105.3 105.6	101.8 101.8	111.5 111.3	96.5 97.6	99.8 100.5	100.5 100.8	101.1 101.7	100.3 97.8	97.8 100.1	86.0 80.4
Aug Sep	102.0 101.5	86.1 85.7	94.0 93.8	73.0 74.7	99.5 99.1	62.7 63.5	106.3 105.8	103.3 102.6	103.4 102.8	100.7 99.1	86.2 86.8	100.9 99.8	123.0 120.8	105.1 104.0	101.9 101.8	113.0 112.1	98.6 97.5	101.2 101.5	100.4 100.2	102.1 102.9	97.4 96.2	100.6 102.1	76.7 76.5
Oct Nov	102.3 102.3	85.7 85.5	94.2 94.0	72.5 74.5	100.2 99.6	61.9 61.9	104.1 105.8	104.1 104.3	103.7 103.7	100.9 100.5	87.1 85.1	100.6 101.5	122.0 123.7	103.8 104.2	102.0 101.6	114.3 113.5	99.4 100.6	101.5 101.4	100.7 101.0	103.2 103.9	102.1 99.1	101.6 101.7	78.3 78.8
Dec 2023 Jan	102.0 102.3	85.5 85.5	94.1 94.0	68.8 64.7	100.0 100.3	63.8 63.5	105.6 106.2	106.5 102.8	103.1 103.9	99.7 100.0	82.4 85.1	100.4 100.6	124.1 125.5	104.7 105.2	101.5 101.6	113.7 112.6	100.8 102.5	101.3 101.3	99.1 101.6	101.3 102.6	96.8 99.7	101.9 104.0	74.7 71.8
Feb	102.6	85.6	94.1	68.0	100.4	62.5	104.7	105.0	104.0	99.7	85.4	100.8	125.2	105.4	101.5	112.8	103.8	100.5	101.1	103.0	101.3	106.0	69.6
Mar Apr	102.2 102.4	85.6 85.6	94.7 94.8	65.9 65.9	100.9 101.5	64.5 63.2	106.9 104.9	104.7 104.4	103.5 103.6	98.3 99.1	83.9 83.7	98.7 101.0	123.6 124.4	105.2 105.0	101.7 101.5	112.4 111.9	102.4 103.0	100.8 100.9	102.4 101.9	102.8 102.6	103.3 103.9	103.9 103.8	70.7 72.3
May Jun	102.0 102.8	85.5 85.6	93.9 96.4	66.1 65.3	100.9 104.1	60.1 61.3	102.9 104.4	103.3 106.3	103.5 103.8	98.9 99.5	83.2 83.8	99.1 100.1	124.5 125.0	104.2 103.4	101.4 101.2	111.8 110.8	102.1 104.6	101.0 101.5	101.9 103.0	104.0 104.7	105.8 104.2	101.6 103.8	74.0 74.1
Jul Aug	102.3 102.3	85.8 85.9	95.4 95.0	65.3 67.2	102.8 102.1	61.7 62.2	103.4 101.8	105.7 104.8	103.4 103.5	99.3 99.6	82.9 83.2	99.3 98.4	122.4 122.2	103.5 103.7	100.9 101.1	111.7 111.7	103.3 103.0	101.7 101.8	101.3 104.2	103.4 103.9	109.3 102.8	105.4 103.0	74.5 74.8
Sep Oct	102.3 101.9	86.0 86.1	94.8 93.5	65.3 64.1	101.7 100.4	63.9 60.8	103.1 103.7	105.5 105.0	103.5 103.2	99.1 99.3	82.9 83.4	99.3 98.6	122.1 120.3	103.5 103.5	100.6 100.8	111.1 110.4	103.0 103.5	102.2 102.5	104.3 103.3	105.5 104.8	102.1 101.8	104.1 102.0	73.3 70.9
Nov Dec	102.1 102.0	86.1 86.1	94.0 94.6	64.5 63.8	101.2 102.0	60.7 61.4	102.6 102.1	104.4 103.8	103.4 103.3	99.8 97.7	83.9 84.2	99.0 100.0	121.4 121.9	103.4 103.1	100.9 100.8	110.7 112.3	102.5 103.9	102.9 103.2	102.5 101.4	105.1 104.1	103.7 105.6	104.7	69.0 68.6
2024 Jan	102.0 102.4 102.7	86.1	93.9 94.8	62.8 62.4	102.0 101.5 102.6	61.2 61.9	99.9 100.8	103.0 104.8 103.1	103.8 104.1	100.1 99.5	85.4 87.9	98.9 98.1	121.9 120.9 122.4	103.1 103.3 103.0	100.0 100.9 101.0	112.3 112.1 113.0	103.9 104.5 104.9	103.2 103.0 102.8	101.4 102.5 103.3	104.1 105.3 105.4	105.9 107.4	103.1 103.6 103.4	68.9 69.3
Feb Mar	103.1	86.0 86.1	95.0	63.0	102.7	62.3	100.9	103.3	104.6	100.2	88.9	99.5	121.5	103.0	101.1	114.3	107.1	102.8	103.3	106.8	104.1	104.7	69.4
Apr May	103.1 103.5	86.3 86.5	94.1 94.3	63.5 63.6	101.1 101.5	62.6 61.4	103.0 103.3	102.2 104.1	104.9 105.2	98.8 100.6	88.7 89.3	98.6 101.0	124.9 123.2	102.8 102.6	101.1 100.7	115.3 116.4	107.9 108.5	102.9 103.0	103.9 103.2	106.3 107.1	106.6 107.9	107.0 104.3	68.6 67.8
Percentage change	e, latest year on prev GDPQ	vious year L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3E4	L3E8	L3EG	L3EJ	L3EU	L3F2	L3F8	L3FN	L3FW	L3FY	L3G2	L3G9	L3GF	L3GJ
2019 2020	1.8 -10.0	16.8 -9.3	1.7 2.3	1.8 0.1	0.5 2.2	12.4 5.0	0.2 1.6	0.6 -12.6	1.8 -11.9	-0.6 -15.6	2.8 -31.6	1.6 -37.8	9.1 6.0	-2.7 -1.6	1.8 -0.5	2.4 -4.0	1.5 -15.2	3.9 -5.2	5.6 -20.4	-1.4 -30.0	3.7 -28.8	-0.5 -17.3	6.4 -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	9.8	8.2	2.0	13.7	35.0	16.3	9.9	-4.5
2022 2023	4.4 0.3	1.5 0.0	-3.4 -0.4	-1.0 -13.7	-3.3 1.1	-11.2 -1.9	0.3 -2.3	6.8 2.1	5.6 0.3	0.6 -1.8	13.7 -1.3	24.0 -1.6	6.3 1.1	1.0 -0.7	0.6 -0.5	5.6 0.4	6.6 5.5	3.9 1.2	10.7 2.2	10.9 -0.9	17.8 6.2	8.9 4.9	7.4 -9.9
Percentage change,		-																					
2022 May	ED3H 0.7	ED3I 0.9	<b>ED3J</b> -0.7	<b>ЕD3К</b> 3.8	ED3L	ED3M -0.8	ED3N 0.5	ED30 2.8	ED3P 0.7	ED3Q -1.1	ED3R 1.0	ED3S 12.5	ED3T 0.9	ED3U -0.6	ED3V 0.4	ED3W 2.8	ED3X	ED3Y 0.6	ED3Z	ED42 -3.8	ED43 6.3	ED44	ED9R -3.3
Jun Jul	0.1 0.0	0.7 0.5	-0.6 -0.8	1.8 1.8	-1.0 -1.0	-0.7 -1.0	0.9 -0.2	1.8 1.7	0.1 0.0	-1.3 -1.5	-0.5 1.2	5.8	-0.1	0.0	0.5 0.3	3.1 2.9	1.9 1.1	0.1 0.1	0.8 0.9	-5.7 -5.4	5.1 2.0	1.1 3.1	2.7
Aug	-0.3	0.3	-1.3	-1.8	-1.5	-0.5	-0.1	0.4	-0.2	-1.2	2.0	1.2 -0.6	0.2	0.4 0.3	0.1	1.4	0.1	0.7	0.6	-5.2	0.1	2.9	3.1 0.3
Sep Oct	-0.1 0.0	0.0 -0.4	-1.5 -1.2	-2.8 -7.3	-1.4 -0.7	-0.8 -1.1	-1.4 -1.3	1.0 0.8	0.0 0.1	-1.1 -0.2	3.7 1.7	-2.5 -3.5	0.7 0.5	-0.2 -1.0	0.0 0.0	0.8 1.1	0.5 0.9	1.3 1.4	0.1 -0.3	-1.6 -0.1	-2.1 -0.2	4.0 2.8	-6.6 -7.2
Nov Dec	0.3 0.4	-0.7 -0.5	-0.5 0.0	-4.2 -5.7	0.0 0.7	-1.3 -1.0	-1.5 -0.8	1.3 1.9	0.3 0.4	-0.2 0.4	0.6 -2.3	-2.2 -0.5	0.4 1.2	-1.3 -0.6	0.0 -0.1	1.2 1.5	1.7 2.4	1.0 0.4	0.0 -0.2	1.7 0.5	0.6 2.3	2.3 0.8	-3.9 -0.8
2023 Jan Feb	0.3 0.3	-0.4 -0.1	0.1 0.0	-5.6 -9.1	0.4 0.6	0.6 1.3	0.4 0.2	1.2 1.0	0.3 0.2	-0.1 -0.3	-2.8 -2.3	0.4 0.0	2.0 2.2	0.4 1.1	-0.3 -0.3	0.2 -0.2	2.9 3.3	-0.1 -0.4	0.1 0.0	-0.2 -1.0	0.0 0.1	1.1 2.1	-2.7 -7.5
Mar Apr	0.2 0.2	0.0 0.1	0.2 0.5	-8.0 -3.9	0.6 1.0	1.6 0.5	0.7 -0.4	-0.7 0.2	0.2 0.1	-1.0 -1.0	0.0 0.1	-0.8 -0.7	1.2 0.0	1.0 0.5	-0.1 0.0	-1.1 -0.8	2.7 1.7	-0.6 -0.6	1.5 1.3	0.0 0.2	2.1 4.4	2.9 2.0	-8.5 -5.7
May	-0.1 0.0	0.0	0.5 0.8	-1.7	0.9 1.6	-1.0	-0.6 -1.7	-0.6 0.5	-0.1 -0.1	-1.1	-0.8	-1.0 0.1	-0.6	-0.3	0.0	-0.9	0.1 0.3	-0.1	1.4 0.6	0.8	5.1 3.2	-0.8 -1.5	0.4 3.9
Jun Jul	0.0	0.1	0.7	-0.7 -1.6	1.7	-3.1 -3.7	-1.8	0.4	-0.1	-0.2 0.2	-1.5 -1.2	-0.7	-0.1 -0.3	-1.1 -1.5	-0.2 -0.4	-1.0 -0.8	0.2	0.3 0.7	0.2	1.0 1.2	3.5	-0.9	4.7
Aug Sep	0.3 -0.1	0.2 0.4	1.2 0.0	-0.1 0.2	1.9 0.0	-1.4 1.7	-1.6 -1.3	1.4 0.6	0.0 -0.2	0.7 0.2	-0.4 -0.7	-0.3 -1.1	-0.8 -2.0	-1.2 -0.6	-0.5 -0.5	-0.6 0.0	1.1 -0.1	0.7 0.7	0.7 0.9	0.8 0.5	1.0 0.1	0.9 1.0	3.0 1.0
Oct Nov	-0.2 -0.4	0.4 0.3	-0.9 -1.6	0.0 -2.0	-1.2 -1.9	2.0 0.1	-0.7 -0.1	0.0 -0.6	-0.2 -0.2	0.1 -0.1	-0.1 0.1	-0.7 -0.3	-2.0 -1.6	-0.1 0.0	-0.3 -0.3	-0.3 -0.6	-0.2 -0.6	0.8 0.9	1.8 0.5	0.7 1.1	-4.0 -2.8	-0.6 -0.5	-1.6 -4.5
Dec 2024 Jan	-0.3 0.0	0.2 0.2	-1.1 -0.3	-2.7 -2.8	-1.0 0.2	-2.7 -1.9	0.0 -1.3	-0.9 -0.7	-0.1 0.1	-0.4 -0.1	1.0 1.6	0.2 0.5	-0.9 -0.1	-0.2 -0.3	0.0 0.0	-0.3 0.6	0.2 0.5	1.0 0.9	-0.8 -1.7	0.3 0.1	-1.0 2.8	-0.9 0.8	-6.3 -5.7
Feb Mar	0.3 0.7	0.0	0.4 0.6	-2.5 -2.2	1.0 1.1	-0.5 1.4	-2.2 -2.2	-1.0 -0.6	0.4 0.8	-0.3 1.0	2.9 4.3	0.0	0.4	-0.3 -0.2	0.1 0.2	1.6 1.8	1.4 2.1	0.4	-0.9 0.6	-0.2 1.1	3.7 2.0	-0.2 0.6	-3.0 -0.5
Apr	0.8 0.9	0.0 0.2	0.5 0.0	-1.2 0.6	0.6	1.9 1.0	0.0	-0.0 -1.4 -0.7	1.0 1.1	0.3	4.8 3.6	-0.4 -0.6 0.7	1.3 1.2	-0.2 -0.3 -0.3	0.2	2.2	2.8 3.2	-0.2 -0.1	1.3 1.1	1.3 1.7	1.0 -0.1	1.2 1.9	-0.3 -0.5
May	0.9	0.2	0.0	0.0	-0.3	1.0	i.5	-0.7	1.1	0.0	3.0	0.7	1.2	-0.3	0.1	2.0	3.2	-0.1	1.1	1.7	-0.1	1.9	-0.5



## **GVA2** 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>

	Monthly GDP bas Chained volume i				2,3,4,5							S	easonally adjusted	2019=100									
										\A/b - ! ! -		Industry section	ns (SIC2007)										A - 40 - 44
	Total						Water			Wholesale and retail:		Accommodation				Professional,	Administrative	Public					Activities of households
	GVA at basic	Agriculture, forestry and	Total production	Mining &		Electricity gas, steam	supply, sewerage	O	Total service	repair of motor vehicles	Transport	and food service		Financial and insurance	Real estate	scientific and technical	and support ac service	and		Human health and social	Arts, entertainment	Other service	as employers, undifferentiated
Section	prices A-T	fishing A	industries B-E	quarrying B	Manufacturing C	and air D	E	Construction <sup>6</sup> F	industries G-T	and motorcycles G	and storage H	activities	Communication	activities K	activities L	activities M	activities N	derence O	Education P	work activities Q	and recreation R	activities S	goods and services 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, la	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
2022 May	6.2	3.6	-4.2	5.0	-3.8	-19.8	1.3	4.9	8.2	0.8	17.4	58.1	6.4	1.5	0.7	4.6	7.8	4.1	13.8	26.8	30.2	5.8	13.1
Jun Jul	3.8 3.1	2.7 1.8	-3.5 -3.0	14.6 14.8	-3.9 -3.8	-16.6 -11.6	1.4 0.3	4.6 5.8	5.0 3.9	-3.0 -3.9	14.1 14.5	25.9 11.1	5.0 4.9	1.7 2.4	0.6 0.8	4.6 4.7	6.6 5.9	2.7 2.3	6.8 4.4	14.7 8.5	24.7 19.5	5.4 15.0	3.7 3.6
Aug	2.4	1.0	-2.8	4.9	-3.6	-4.7	0.0	6.7	3.0	-4.1	13.1	3.0	4.9	2.6	0.8	4.2	5.3	2.6	4.5	3.2	15.6	14.7	9.7
Sep	2.1	0.6	-2.6	-3.5	-3.2	1.3	0.3	7.7	2.5	-4.2	12.8	-2.0	5.1	1.9	0.9	4.9	5.1	3.0	5.1	0.6	10.2	11.4	16.3
Oct	1.6	-0.3	-2.1	-9.2	-2.3	4.1	-0.3	8.2	1.8	-4.2	10.3	-3.8	4.9	0.3	0.8	6.8	4.7	3.6	5.0	-3.2	8.9	6.5	14.7
Nov Dec	1.2 1.2	-0.5 -0.3	-1.9 -2.1	-4.2 -3.8	-2.5 -2.5	4.2 2.4	-0.6 -1.3	7.8 8.1	1.2 1.2	-4.3 -3.3	7.7 4.4	0.3 8.9	4.8 5.1	-1.2 -1.7	0.6 0.5	7.0 7.7	4.3 5.3	3.6 3.4	4.9 4.5	-6.3 -9.3	8.6 8.2	3.8 4.0	5.9 -3.4
2023 Jan	1.2	-0.3	-2.1	-3.0	-2.5	0.1	-0.6	6.3	1.2	-3.1	2.2	12.3	5.0	-1.7	0.3	6.0	6.8	2.7	4.5 3.6	-9.0	7.0	6.2	-3.4 -9.5
Feb	0.9	0.3	-2.5	-11.3	-2.0	-1.3	-0.9	5.6	1.1	-2.8	1.2	9.2	4.1	-0.5	0.3	5.4	7.9	1.8	2.2	-8.2	7.0	9.1	-13.8
Mar	0.6	0.1	-1.9	-14.1	-1.2	-1.0	-0.6	4.0	0.7	-3.0	0.7	1.7	3.0	0.2	0.2	4.3	7.7	1.2	2.1	-6.7	7.4	9.0	-12.9
Apr	0.5	-0.2	-1.4	-14.4	-0.4	-1.0	-1.5	4.0	0.5	-2.9	0.2	-2.6	2.8	0.3	0.0	3.3	6.8	0.8	2.0	-5.4	6.2	9.3	-12.1
May	0.1	-0.5	-1.4	-16.0	0.0	-1.5	-2.0	2.1	0.2	-2.7	-0.6	-3.9	2.6	-0.2	-0.2	1.5	5.2	1.1	2.1	-3.8	6.0	6.6	-10.5
Jun	0.5	-0.6	-0.5	-16.2	1.5	-3.4	-3.2	2.7	0.5	-1.9	-0.3	-3.8	3.0	-0.9	-0.4	0.2	6.0	1.4	1.9	-0.1	5.4	6.2	-11.9
Jul	0.5	-0.6	0.1	-17.3	2.4	-3.7	-3.1	2.6	0.4	-1.2	-2.2	-4.4	2.2	-1.6	-0.7	-0.4	5.9	1.4	1.4	1.2	7.8	5.0	-10.8
Aug	0.7	-0.5	1.1	-14.5	3.4	-2.4	-3.4	3.1	0.4	-0.9	-2.9	-3.6	1.2	-1.7	-0.8	-0.5	6.3	1.2	2.2	2.4	7.0	4.6	-8.1
Sep	0.5 0.2	-0.2	1.0	-13.5	2.9	-0.9	-3.1	2.3 1.7	0.3 0.1	-0.7	-4.4	-2.4	0.3 -0.4	-1.3	-0.9	-0.6	5.3 4.7	0.8	2.8	2.0 2.0	7.8 3.7	3.2	-4.7 -5.4
Oct Nov	0.2	0.2 0.5	0.5 0.1	-10.7 -12.6	1.8 1.5	-0.7 -1.0	-2.4 -2.0	1.7	-0.1	-0.9 -0.7	-4.0 -3.4	-1.6 -1.7	-0.4 -0.8	-0.7 -0.5	-1.0 -1.0	-1.8 -2.2	4.7 3.9	0.8 1.0	3.5 2.7	2.0	3.4	1.5 1.7	-5.4 -8.7
Dec	-0.2	0.6	-0.1	-10.8	1.3	-2.5	-2.3	-0.6	-0.2	-1.4	-1.2	-1.6	-1.7	-0.8	-0.8	-2.3	3.1	1.0	2.1	1.8	4.4	1.5	-10.0
2024 Jan	-0.1	0.7	0.1	-8.1	1.6	-3.1	-4.1	-0.2	-0.1	-0.9	0.3	-1.5	-2.4	-1.4	-0.7	-1.4	2.3	1.7	1.6	2.2	6.6	1.2	-8.3
Feb	0.1	0.7	0.4	-6.2	1.8	-2.7	-4.4	-0.8	0.1	-0.7	1.8	-1.6	-2.6	-1.9	-0.6	-0.5	2.0	1.9	1.8	2.6	7.1	-0.6	-4.3
Mar	0.3	0.6	0.3	-5.2	1.7	-2.6	-5.1	-0.4	0.4	0.6	3.1	-1.2	-2.5	-2.1	-0.6	0.5	2.5	2.0	1.3	3.0	4.3	-0.7	-2.1
Apr	0.6	0.6	0.1	-5.5	1.2	-1.7	-3.8	-1.8	0.8	0.5	5.0	-1.4	-1.2	-2.2	-0.5	1.6	3.4	2.1	1.7	3.3	3.1	0.4	-2.5
May	1.0	0.8	0.0	-4.0	0.6	-0.8	-2.4	-0.9	1.3	1.1	6.4	0.1	-0.8	-1.9	-0.5	3.0	5.2	2.0	1.4	3.5	1.8	2.1	-5.1
Percentage change, la	latest month on pr	evious month																					
	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2022 May	0.7	0.2	0.2 -0.9	0.5	0.6	-1.6	-1.7	2.1	0.6	-1.3	1.0 -0.7	0.6 0.3	1.0	0.4	0.2	3.0	1.9	-0.2	0.6	0.8 -4.4	-1.0	3.1	2.8
Jun Jul	-1.0 0.4	0.1 0.2	-0.9	-2.4 4.9	-1.2 -0.8	0.9 -0.7	1.7 -1.8	-2.4 2.1	-0.9 0.5	-0.9 0.2	-0.7 4.8	-0.9	-1.2 1.1	0.1 0.3	-0.1 0.0	-1.1 -0.2	-2.3 1.1	0.2 0.6	-0.1 0.3	-4.4	2.2 -2.6	-0.4 2.3	3.3 -6.5
Aug	0.4	-0.2	-0.6	-10.0	0.2	-0.7	0.2	0.2	0.2	0.2	-1.7	-2.5	1.0	-0.5	0.0	-0.2	1.1	0.0	-0.4	0.0	-0.4	0.6	-4.6
Sep	-0.5	-0.5	-0.1	2.3	-0.4	1.4	-0.5	-0.6	-0.6	-1.6	0.8	-1.0	-1.8	-1.1	-0.1	-0.8	-1.1	0.3	-0.2	0.8	-1.2	1.5	-0.4
Oct	0.8	0.0	0.3	-2.8	1.1	-2.6	-1.6	1.4	0.9	1.8	0.3	0.7	1.0	-0.1	0.2	1.9	1.9	0.0	0.5	0.3	6.1	-0.5	2.4
Nov	0.0	-0.2	-0.1	2.7	-0.6	0.0	1.7	0.2	0.0	-0.3	-2.3	0.9	1.4	0.3	-0.4	-0.7	1.2	-0.1	0.3	0.6	-2.9	0.2	0.6
Dec	-0.3	0.0	0.1	-7.7	0.4	3.1	-0.2	2.1	-0.6	-0.8	-3.1	-1.0	0.3	0.5	-0.1	0.2	0.3	-0.1	-1.8	-2.5	-2.4	0.1	-5.2
2023 Jan	0.4	-0.1	-0.1	-6.0	0.3	-0.5	0.5	-3.4	0.7	0.3	3.3	0.1	1.1	0.5	0.1	-1.0	1.7	0.0	2.5	1.3	3.1	2.1	-3.8
Feb	0.2	0.2	0.1	5.1	0.1	-1.6	-1.3	2.2	0.1	-0.3	0.3	0.2	-0.2	0.2	0.0	0.1	1.3	-0.7	-0.5	0.5	1.6	1.9	-3.2
Mar	-0.3	0.0	0.7	-3.0	0.6	3.3	2.0	-0.3	-0.5	-1.4	-1.7	-2.1	-1.3	-0.2	0.1	-0.3	-1.3	0.2	1.2	-0.3	2.0	-2.0	1.6
Apr	0.1 -0.3	0.0 0.0	0.1	0.0	0.5	-2.0	-1.9 -1.8	-0.3	0.2 -0.1	0.9 -0.2	-0.3 -0.6	2.4	0.7 0.1	-0.2 -0.7	-0.2 -0.1	-0.4 -0.1	0.5 -0.9	0.1	-0.5 0.0	-0.1	0.6 1.8	-0.1	2.3 2.3
May Jun	-0.3	0.0	-0.9 2.7	0.3 -1.3	-0.5 3.1	-4.9 2.1	-1.0	-1.1 2.9	-0.1	-0.2	-0.8	-1.9 1.0	0.1	-0.7	-0.1	-0.1	-0.9 2.5	0.2 0.4	1.1	1.3 0.6	-1.5	-2.1 2.1	2.3
Jul	-0.5	0.1	-1.0	-1.3	-1.3	0.7	-1.0	-0.5	-0.4	-0.2	-1.1	-0.9	-2.1	-0.8	-0.2	-0.9	-1.2	0.4	-1.7	-1.2	-1.5	1.5	0.2
Aug	0.0	0.2	-0.5	3.1	-0.7	0.7	-1.6	-0.9	-0.4	0.3	0.4	-0.8	-0.2	0.1	-0.3	0.0	-0.3	0.2	2.8	0.5	-5.9	-2.3	0.5
Sep	0.0	0.1	-0.2	-3.0	-0.4	2.8	1.3	0.7	0.0	-0.5	-0.3	0.9	-0.1	-0.2	-0.5	-0.5	0.1	0.3	0.1	1.5	-0.7	1.0	-2.0
Oct	-0.4	0.1	-1.4	-1.8	-1.3	-4.9	0.6	-0.5	-0.3	0.2	0.6	-0.7	-1.5	0.0	0.2	-0.6	0.4	0.4	-1.0	-0.7	-0.2	-2.0	-3.3
Nov	0.2	0.1	0.5	0.7	0.8	-0.1	-1.0	-0.6	0.2	0.2	0.5	0.3	0.9	-0.1	0.2	0.3	-0.9	0.4	-0.7	0.2	1.8	2.7	-2.6
Dec	-0.1	0.0	0.6	-1.1	0.8	1.1	-0.5	-0.6	-0.1	-2.0	0.4	1.1	0.4	-0.3	-0.1	1.4	1.4	0.3	-1.1	-0.9	1.8	-1.5	-0.6
2024 Jan	0.4	0.0	-0.7	-1.6	-0.5	-0.2	-2.2	1.0	0.5	2.4	1.4	-1.1	-0.7	0.2	0.1	-0.2	0.6	-0.2	1.1	1.2	0.3	0.5	0.4
Feb	0.2	-0.1	1.0	-0.7	1.1	1.1	0.9	-1.6	0.3	-0.7	3.0	-0.8	1.2	-0.3	0.1	0.8	0.3	-0.2	0.8	0.1	1.5	-0.2	0.6
Mar	0.4	0.1	0.2	1.0	0.1	0.6	0.1	0.2	0.5	0.7	1.1	1.4	-0.7	0.0	0.1	1.2	2.2	0.0	0.0	1.2	-3.1	1.3	0.2
Apr May	0.0	0.1	-0.9	0.9	-1.6	0.5	2.0	-1.1	0.3	-1.3	-0.3	-0.8	2.8	-0.2 -0.2	0.0	0.8	0.7	0.1	0.6	-0.4	2.5	2.2	-1.2
May	0.4	0.2	0.2	0.1	0.4	-1.9	0.4	1.9	0.3	1.8	0.7	2.4	-1.4	-0.2	-0.4	1.0	0.6	0.1	-0.7	0.7	1.2	-2.6	-1.1

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

The GVA output is designated as an Accredited Official Statistic.
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 Estimates cannot be regarded as accurate to the last digit shown.
 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 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.



# **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>

	Chained volume in		raido dadoa at	p									easonally adjuste	12010 100									
												Industry section	ns (SIC2007)										
	Total						Water			Wholesale and retail:		Accommodation				Professional.	Administrative	Public					Activitie house
			Total			<b>-</b>			Total					<b>-</b>								0.1	
	GVA at	Agriculture,		Mining &		Electricity	supply,		service	repair of motor vehicles	Transport	and food	Information	Financial	Dealestate	scientific	and support ad			Human health	Arts,	Other service	as emplo undifferen
	basic prices	forestry and fishing	production industries		Manufacturing	gas, steam and air	sewerage	Construction 6	industries	and motorcycles	and storage	service activities	and Communication	and insurance activities	Real estate activities	and technical activities	service activities	and defence	Education	and social work activities	entertainment and recreation	activities	undifferen goods and sei
ation				quarrying	Manuacturing	and an	elc	Construction		,	and storage H	activities	Communication	activities	activities		activities		Education	WORK activities	and recreation	activities	goods and se
ction	A-T	A	B-E	В	U	5	E	F	G-T	G			J	ĸ	L	M	N	0	F	3	R	0	
19 weights	1000	7	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	
rcentage change,	latest month on sa	ame month a ye	ear ago																				
	ED2R	ED2S	ED2T	ED2U	ED2V	ED2W	ED2X	ED2Y	ED2Z	ED32	ED33	ED34	ED35	ED36	ED37	ED38	ED39	ED3A	ED3B	ED3C	ED3D	ED3E	
2 May	4.2	2.7	-3.6	10.9	-3.5	-19.4	0.9	6.0	5.5	-3.0	15.9	17.8	5.8	1.8	0.8	7.5	8.3	2.3	5.2	16.8	19.5	12.0	
Jun	2.0	1.1	-2.9	21.3	-4.1	-11.3	0.7	4.3	2.7	-5.0	11.4	8.2	4.4	2.2	0.4	2.3	4.4	2.3	2.8	5.1	23.0	16.8	
Jul	3.0	1.6	-2.4	12.9	-3.8	-2.5	-0.8	7.2	3.6	-3.7	16.3	8.0	4.7	3.3	1.2	4.3	5.1	2.5	5.2	4.2	16.1	16.2	
Aug	2.2	0.3	-3.1	-14.2	-3.0	0.7	0.3	8.6	2.7	-3.5	11.8	-6.1	5.5	2.4	0.9	6.0	6.3	3.1	5.6	0.4	8.4	11.2	
Sep	1.1	-0.1	-2.1	-7.0	-2.9	5.9	1.6	7.2	1.2	-5.3	10.5	-6.9	5.2	0.1	0.7	4.3	3.8	3.3	4.5	-2.6	6.3	7.2	
Oct	1.6	-1.1	-1.0	-6.1	-1.0	5.7	-2.6	8.9	1.5	-4.0	8.6	1.9	4.0	-1.5	0.7	10.2	4.0	4.2	4.8	-7.2	12.1	1.5	
Nov	0.9	-0.3	-2.6	0.8	-3.5	1.0	-0.6	7.2	1.0	-3.6	4.2	6.8	5.1	-2.1	0.4	6.6	5.1	3.2	5.5	-8.9	7.5	2.9	
Dec	1.1	0.7	-2.8	-6.1	-3.1	0.8	-0.6	8.3	1.1	-2.3	0.5	19.3	6.1	-1.6	0.3	6.3	6.7	2.7	3.3	-11.5	5.0	7.8	
Jan	0.9	0.5	-2.5	-15.7	-1.8	-1.5	-0.6	3.3	1.3	-3.5	1.7	11.6	3.8	-0.1	0.4	5.1	8.7	2.1	2.0	-6.4	8.5	8.1	
Feb	0.6	0.1	-2.2	-11.7	-1.4	-3.2	-1.6	5.3	0.7	-2.5	1.3	-1.1	2.5	0.4	0.1	4.6	8.3	0.7	1.2	-6.5	8.2	11.3	
Mar	0.2	-0.3	-1.1	-14.9	-0.5	1.8	0.3	3.5	0.1	-3.0	-0.9	-4.2	2.7	0.2	0.2	3.2	6.0	0.7	3.1	-7.3	5.6	7.5	
Apr	0.6	-0.4	-0.9	-16.4	0.7	-1.5	-3.1	3.0	0.6	-3.1	0.3	-2.4	3.1	0.2	-0.2	2.2	6.2	1.1	1.8	-2.2	4.8	8.9	
May	-0.4	-0.6	-2.0	-16.6	-0.4	-4.9	-3.2	-0.1	-0.2	-2.1	-1.3	-4.9	2.2	-0.9	-0.5	-0.8	3.3	1.4	1.3	-1.6	7.7	3.5	
Jun	1.4	-0.6	1.5	-15.6	4.0	-3.8	-3.4	5.3	1.1	-0.6	0.2	-4.1	3.8	-1.9	-0.6	-0.6	8.5	1.6	2.5	3.6	3.9	6.2	
Jul	0.4	-0.6	0.9	-19.5	3.5	-2.5	-2.6	2.6	0.2	-1.0	-5.4	-4.1	0.6	-2.0	-0.9	0.4	5.9	1.2	0.4	1.7	11.8	5.3	
Aug	0.3	-0.3	1.1	-7.9		-0.8	-4.3	1.5	0.1	-1.1	-3.4	-2.4	-0.7	-1.3	-0.8	-1.2	4.4	0.6	3.7	1.8	5.6	2.3	
Sep	0.8	0.4	1.0	-12.6	2.6	0.6	-2.6	2.8	0.6	0.0	-4.5	-0.5	1.0	-0.4	-1.2	-0.9	5.6	0.6	4.1	2.5	6.1	1.9	
Oct	-0.4	0.4	-0.7	-11.7	0.2	-1.8	-0.4	0.8	-0.5	-1.5	-4.2	-1.9	-1.4	-0.3	-1.2	-3.4	4.2	1.0	2.6	1.5	-0.2	0.4	
Nov	-0.2	0.7	-0.1	-13.4	1.6	-1.9	-3.0	0.1	-0.3	-0.7	-1.4	-2.5	-1.9	-0.7	-0.7	-2.4	2.0	1.4	1.6	1.2	4.6	2.9	
Dec	0.0	0.7	0.5	-7.2	2.0	-3.8	-3.3	-2.6	0.2	-2.0	2.1	-0.4	-1.8	-1.5	-0.7	-1.2	3.1	1.9	2.3	2.8	9.1	1.2	
Jan	0.1	0.8	-0.1	-2.9	1.2	-3.6	-5.9	1.9	-0.1	0.1	0.3	-1.7	-3.6	-1.8	-0.6	-0.5	1.9	1.7	0.9	2.7	6.2	-0.4	
Feb	0.1	0.5	0.8	-8.2	2.2	-0.8	-3.8	-1.8	0.1	-0.2	3.0	-2.6	-2.3	-2.3	-0.5	0.2	1.0	2.2	2.1	2.3	6.1	-2.5	
Mar	0.8	0.6	0.3	-4.5	1.7	-3.4	-5.6	-1.4	1.1	1.9	5.9	0.8	-1.7	-2.1	-0.5	1.7	4.6	2.0	0.9	3.9	0.7	0.8	
Apr	0.7	0.8	-0.7	-3.7	-0.4	-0.9	-1.8	-2.1	1.2	-0.3	5.9	-2.3	0.4	-2.1	-0.4	3.0	4.7	2.0	2.0	3.6	2.6	3.1	
May	1.4	1.1	0.4	-3.8	0.6	2.2	0.4	0.8	1.6	1.8	7.4	1.9	-1.0	-1.5	-0.7	4.2	6.3	2.0	1.3	3.0	2.0	2.6	

 1
 The GVA output is designated as an Accredited Official Statistic.
 Sources: For further information on these data please telephone

 2
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 01633 582428 or E-mail gdp@ons.gov.uk

 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 <u>Construction Output in Great Britain</u> releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output releases.



**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>

	Revisions to grow	/th of gross valu	e added at bas	sic prices <sup>2</sup>									asonally adjusted	1 2019=100					I	Periods open f	or revision: Ja	an 2024 - Ap	r 2024
	Total GVA at	Agriculture,	Total			Electricity	Water supply,		Total	Wholesale and retail: repair of		Industry section Accommodation and food	Information	Financial		Professional, scientific	Administrative and support ac	Public		Human health	Arts,	Other	Activities of household as employers
	basic	forestry and fishing	production	Mining &	Manufacturing	gas, steam and air	sewerage	Construction <sup>4</sup>	service	motor vehicles and motorcycles	Transport and storage	service		and insurance activities	Real estate activities	and technical activities	service	and	Education	and social work activities	entertainment	service	undifferentiated goods and services
Section 2019 weights	A-T 1000	A 7	B-E 136	B 11	C 98	D 15	E 12	F 62	G-T 794	G 102	H 41	 30	J 63	K	L	M 75	N 52	0 49	P 58	Q 77	R	S 17	goods and service
Percentage change, late	test 3 months on	previous 3 mon	ths <sup>3,5</sup>																				
2022 Apr May Jun Jul	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0																					
Aug Sep Oct Nov Dec	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0																					
2023 Jan Feb Mar Apr 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	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 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 Jul Aug Sep 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 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 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 Dec 2024 Jan Feb	0.0 0.0 0.0 0.1	0.0 0.0 0.1 0.2	0.0 0.0 -0.1 -0.1	0.0 0.0 -0.1 0.0	0.0 0.0 0.0 -0.1	0.0 0.0 0.0 0.2	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.1	0.0 0.0 0.2 0.2	0.0 0.0 0.1 0.0	0.0 0.0 0.0 0.1	0.0 0.0 0.0 0.1	0.0 0.0 0.0 -0.1	0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.3	0.0 0.0 0.0 0.1	0.0 0.0 -0.2	0.0 0.0 0.0 0.1	0.0 0.0 0.1 0.1	0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 0.0 0.1 1.8 2.9
Mar Apr	0.1 0.1	0.5 0.5	-0.2 -0.2	0.0 0.0	-0.3 -0.4	1.0 1.7	0.2 0.4	0.3 0.8	0.1 0.1	0.3 0.4	0.6 1.1	-0.3 -0.6	0.0 0.0	-0.2 -0.4	0.1 0.0	0.5 0.3	0.4 0.7	-0.2 -0.3	0.1 0.1	0.2 0.1	0.0 0.2	-0.1 -0.2	2.9
Percentage change, late	test 3 months on	same 3 months	a year ago <sup>3,5</sup>																				
2022 Apr May Jun Jul Aug Sep Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb Mar Apr	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 an Accredited Official Statistic.
 Sources: For further information on these data please telephone

 2 Estimates cannot be regarded as accurate to the last digit shown.
 01633 582428 or E-mail gdp@ons.gov.uk

 3 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
 01633 582428 or E-mail gdp@ons.gov.uk

 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.

 5 Revisions to periods highlighted in Grey are consistent with the Quarterly National Accounts published on 28 June 2024

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nous	open	IO	revision:	Jan	2024	-	Apr 2024	ł



**REV2** Monthly GDP based on GVA (Gross Value Added) <sup>1</sup> Revisions to growth of gross value added at basic prices <sup>2,3</sup>

	Revisions to grow	in or gross vall	ie added at Das	ic prices									easonally adjuste	1 2019=100						renous open i	or revision: Ja	an 2024 - Ap	r 2024
										Wholesale		Industry sectio	ns (SIC2007)										Activities
	Total GVA at basic	Agriculture, forestry and	Total production	Mining &		Electricity gas, steam	Water supply, sewerage		Total service	and retail: repair of motor vehicles	Transport	Accommodation and food service	Information and	Financial and insurance	Real estate	Professional, scientific and technical	Administrative and support ac service	Public Iministration and		Human health and social	Arts, entertainment	Other service	househo as employe undifferentia
- <i></i>	prices	fishing	industries		Manufacturing	and air	etc F	Construction 4	industries	and motorcycles	and storage	activities	Communication	activities	activities	activities	activities		Education		and recreation	activities	goods and servic
Section 2019 weights	A-T 1000	A 7	B-E 136	B 11	C 98	D 15	E 12	F 62	G-T 794	G 102	H 41	30	J 63	K 82	L 131	M 75	N 52	0 49	P 58	Q 77	R 15	S 17	
ercentage change, late	est month on pre	evious month <sup>3,5</sup>																					
2022 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 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 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	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	C
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	C
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	C
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	C
Dec	0.0	0.0	0.0 -0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
024 Jan Feb	0.1 0.0	0.2 0.3	-0.2	-0.1 0.0	-0.2 -0.1	0.1 0.7	0.1 0.0	-0.2 0.4	0.1 0.0	0.3 0.0	0.0 0.1	0.1 0.3	0.2 0.1	0.0 -0.3	0.0 0.0	0.4 0.1	0.1 0.2	-0.1 -0.1	0.0 0.1	0.1 0.1	-0.2 0.4	0.0 0.0	2
Mar	0.0	0.3	0.0	0.0	-0.1	1.5	0.0	0.4	0.0	-0.2	1.3	-1.3	-0.5	-0.3	0.0	0.1	0.2	-0.1	0.0	0.1	0.4	-0.3	C
Apr	0.0	0.2	0.0	0.0	-0.2	0.0	0.2	0.0	0.0	0.7	0.0	0.2	0.5	-0.1	-0.1	-0.4	0.4	-0.1	0.0	-0.7	-0.1	0.1	1
Percentage change, lat	atest month on sa	ame month a ye	ar ago <sup>3,5</sup>																				
2022 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	C
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	C
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	C
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	C
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	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	0.0 0.0	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 May	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 0.0	0.0	0.0 0.0	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 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	
2024 Jan	0.1	0.2	-0.2	-0.1	-0.2	0.0	0.0	-0.2	0.1	0.3	0.0	0.0	0.1	0.1	0.1	0.3	0.0	-0.1	0.0	0.1	-0.2	0.0	
Feb	0.1	0.5	-0.2	0.0	-0.4	0.8	0.0	0.2	0.1	0.4	0.1	0.3	0.2	-0.3	0.0	0.4	0.3	-0.3	0.1	0.2	0.2	0.0	
Mar	0.1	0.7	-0.2	0.0	-0.6	2.2	0.3	0.8	0.1	0.1	1.5	-1.0	-0.3	-0.4	0.1	0.6	0.9	-0.4	0.1	0.4	0.1	-0.2	
		0.7	-0.3																				

 1 The GVA output is designated as an Accredited Official Statistic.
 Sources: For further information on these data please telephone

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

 5 Revisions to periods highlighted in Grey are consistent with the Quarterly National Accounts published on 28 June 2024

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nous	open	IO	revision:	Jan	2024	-	Apr 2024	ł



### **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</sup>

		growth or groos			5						la di cota c		easonally adjusted	2019-100									
										Wholesale	industry	sections (SIC2007)	)										Activities of
	Total						Water			and retail:		Accommodation				Professional,	Administrative	Public					households
	GVA at basic	Agriculture, forestry and	Total production	Mining &		Electricity gas, steam	supply, sewerage		Total service	repair of motor vehicles	Transport	and food service	Information and	Financial and insurance	Real estate	scientific and technical	and support a service	administration and		Human health and social	Arts, entertainment	Other service	as employers, undifferentiated
	prices	fishing	industries		Manufacturing	and air	etc	Construction	industries	and motorcycles	and storage		Communication	activities	activities	activities	activities		Education		and recreation	activities	goods and services
Section	A-T	Ā	B-E	В	С	D	E	F	G-T	G	Н	I	J	К	L	Μ	Ν	0	Р	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, lates	st 3 months on previo	ous 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
2022 May	0.68	0.01	-0.09	0.03	-0.12	-0.01	0.01	0.17	0.59	-0.11	0.03	0.34	0.06	-0.05	0.06	0.23	0.13	0.03	0.09	-0.32	0.09	0.02	-0.01
Jun	0.10	0.00	-0.08	0.01	-0.10	-0.01	0.01	0.11	0.07	-0.13	-0.02	0.17	0.00	0.00	0.06	0.24	0.09	0.00	0.04	-0.48	0.07	0.02	0.00
Jul	0.01	0.00	-0.10	0.01	-0.10	-0.01	0.00	0.11	0.00	-0.16	0.04	0.04	0.02	0.04	0.04	0.23	0.05	0.00	0.05	-0.44	0.03	0.05	0.00
Aug	-0.31	0.00	-0.17	-0.01	-0.15	-0.01	0.00	0.03	-0.17	-0.12	0.07	-0.02	0.04	0.03	0.02	0.12	0.00	0.03	0.03	-0.42	0.00	0.05	0.00
Sep	-0.10	0.00	-0.19	-0.02	-0.14	-0.01	-0.02	0.06	0.02	-0.11	0.12	-0.08	0.05	-0.02	0.00	0.07	0.03	0.06	0.00	-0.13	-0.03	0.07	-0.01
Oct	0.00	0.00	-0.15	-0.06	-0.06	-0.01	-0.02	0.05	0.11	-0.02	0.06	-0.11	0.04	-0.09	0.01	0.09	0.05	0.07	-0.01	-0.01	0.00	0.05	-0.01
Nov	0.26	0.00	-0.06	-0.03	0.00	-0.01	-0.02	0.08	0.25	-0.02	0.02	-0.07	0.03	-0.11	0.00	0.10	0.08	0.05	0.00	0.13	0.01	0.04	-0.01
Dec 2022 Jon	0.41	0.00	0.00	-0.04	0.06	-0.01	-0.01	0.12	0.30	0.04	-0.08	-0.02	0.09	-0.05	-0.02	0.13	0.12	0.02	-0.01	0.04	0.03	0.01	0.00
2023 Jan Feb	0.28 0.25	0.00 0.00	0.01 0.00	-0.04 -0.07	0.04 0.06	0.01 0.01	0.01 0.00	0.07 0.07	0.20 0.18	-0.01 -0.03	-0.10 -0.08	0.01 0.00	0.15 0.17	0.03 0.09	-0.05 -0.04	0.01 -0.02	0.14 0.16	0.00 -0.02	0.01 0.00	-0.01 -0.08	0.00 0.00	0.02 0.04	0.00 -0.01
Feb Mar	0.25	0.00	0.00	-0.07 -0.06	0.06	0.01	0.00	-0.05	0.18	-0.03	-0.08	-0.02	0.09	0.09	-0.04	-0.02	0.16	-0.02	0.00	-0.08	0.00	0.04	-0.01
Apr	0.17	0.00	0.02	-0.06	0.08	0.01	0.01	-0.05	0.20	-0.10	0.00	-0.02	0.09	0.09	-0.02	-0.09	0.14	-0.03	0.08	0.00	0.03	0.05	-0.01
Mav	-0.09	0.00	0.06	-0.03	0.09	-0.01	-0.01	-0.04	-0.10	-0.10	-0.03	-0.02	-0.04	-0.03	0.00	-0.08	0.09	-0.03	0.07	0.02	0.00	-0.01	0.00
Jun	0.02	0.00	0.10	0.00	0.16	-0.03	-0.02	0.03	-0.11	-0.02	-0.05	0.00	-0.01	-0.09	-0.03	-0.08	0.01	0.01	0.03	0.08	0.05	-0.03	0.01
Jul	0.00	0.00	0.09	-0.01	0.16	-0.03	-0.02	0.02	-0.12	0.02	-0.04	-0.02	-0.03	-0.12	-0.05	-0.07	0.01	0.03	0.00	0.09	0.05	-0.02	0.01
Aug	0.26	0.00	0.15	0.00	0.18	-0.01	-0.02	0.09	0.02	0.07	-0.01	-0.01	-0.06	-0.10	-0.06	-0.05	0.06	0.04	0.04	0.07	0.02	0.02	0.00
Sep	-0.11	0.00	0.00	0.00	0.00	0.02	-0.02	0.04	-0.16	0.02	-0.02	-0.03	-0.15	-0.05	-0.06	0.00	-0.01	0.04	0.05	0.04	0.00	0.02	0.00
Oct	-0.24	0.00	-0.11	0.00	-0.12	0.02	-0.01	0.00	-0.13	0.01	0.00	-0.02	-0.15	-0.01	-0.04	-0.03	-0.01	0.04	0.10	0.05	-0.06	-0.01	0.00
Nov	-0.39	0.00	-0.20	-0.01	-0.18	0.00	0.00	-0.04	-0.15	-0.01	0.00	-0.01	-0.12	0.00	-0.04	-0.05	-0.03	0.04	0.03	0.08	-0.04	-0.01	-0.01
Dec	-0.31	0.00	-0.14	-0.02	-0.10	-0.02	0.00	-0.06	-0.11	-0.04	0.03	0.01	-0.07	-0.02	0.00	-0.02	0.01	0.05	-0.05	0.03	-0.02	-0.02	-0.01
2024 Jan	0.01	0.00	-0.03	-0.02	0.02	-0.02	-0.02	-0.05	0.09	-0.01	0.05	0.01	-0.01	-0.02	0.00	0.05	0.03	0.04	-0.10	0.01	0.04	0.01	-0.01
Feb	0.27	0.00	0.05	-0.02	0.09	0.00	-0.03	-0.07	0.29	-0.03	0.10	0.00	0.03	-0.03	0.02	0.13	0.07	0.02	-0.05	-0.01	0.06	0.00	0.00
Mar	0.72	0.00	0.08	-0.01	0.11	0.01	-0.03	-0.04	0.68	0.10	0.14	-0.01	0.03	-0.02	0.02	0.15	0.11	0.00	0.04	0.09	0.03	0.01	0.00
Apr	0.78	0.00	0.06	-0.01	0.05	0.02	0.00	-0.09	0.80	0.03	0.16	-0.02	0.09	-0.03	0.03	0.18	0.15	-0.01	0.08	0.10	0.01	0.02	0.00
May	0.86	0.00	0.00	0.00	-0.03	0.01	0.02	-0.04	0.90	0.08	0.12	0.02	0.09	-0.03	0.01	0.21	0.17	0.00	0.06	0.13	0.00	0.03	0.00
Contribution to growth, lates	st 3 months on same	3 months a yea	r ago																				
	EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU
2022 May	6.21	0.02	-0.60	0.04	-0.41	-0.25	0.02	0.31	6.48	0.09	0.53	1.19	0.48	0.13	0.09	0.38	0.38	0.20	0.73	1.82	0.36	0.10	0.02
Jun	3.81	0.02	-0.48	0.11	-0.41	-0.20	0.02	0.28	3.99	-0.33	0.43	0.66	0.37	0.14	0.08	0.37	0.32	0.13	0.38	1.04	0.30	0.09	0.01
Jul	3.10	0.01	-0.41	0.11	-0.39	-0.13	0.00	0.36	3.14	-0.42	0.44	0.32	0.36	0.20	0.10	0.38	0.28	0.11	0.25	0.63	0.24	0.23	0.01
Aug	2.43	0.01 0.00	-0.38 -0.34	0.04	-0.37	-0.05	0.00 0.00	0.40 0.46	2.40 2.00	-0.44 -0.45	0.41 0.40	0.09	0.36	0.22 0.16	0.11 0.12	0.34 0.39	0.25 0.24	0.13 0.15	0.25 0.28	0.24 0.05	0.20 0.13	0.22 0.18	0.01
Sep Oct	2.12 1.65	0.00	-0.34	-0.03 -0.08	-0.33 -0.23	0.01 0.04	0.00	0.40	2.00	-0.45	0.40	-0.06 -0.12	0.37 0.36	0.18	0.12	0.59	0.24	0.13	0.28	-0.26	0.13	0.18	0.02
Nov	1.00	0.00	-0.28	-0.08	-0.25	0.04	-0.01	0.49	0.99	-0.45	0.33	-0.12	0.35	-0.10	0.10	0.55	0.23	0.17	0.27	-0.20	0.12	0.06	0.02
Dec	1.18	0.00	-0.28	-0.03	-0.25	0.02	-0.01	0.49	0.97	-0.35	0.14	0.24	0.37	-0.15	0.06	0.61	0.26	0.16	0.27	-0.80	0.12	0.00	-0.01
2023 Jan	0.96	0.00	-0.34	-0.06	-0.28	0.00	-0.01	0.38	0.92	-0.33	0.07	0.33	0.37	-0.11	0.00	0.48	0.33	0.13	0.20	-0.77	0.10	0.10	-0.02
Feb	0.88	0.00	-0.32	-0.09	-0.21	-0.01	-0.01	0.34	0.86	-0.29	0.04	0.25	0.31	-0.04	0.03	0.43	0.38	0.09	0.12	-0.69	0.10	0.15	-0.02
Mar	0.59	0.00	-0.25	-0.11	-0.12	-0.01	-0.01	0.25	0.59	-0.31	0.02	0.05	0.23	0.04	0.03	0.34	0.37	0.06	0.12	-0.56	0.10	0.15	-0.02
Apr	0.46	0.00	-0.18	-0.12	-0.04	-0.01	-0.02	0.24	0.40	-0.30	0.01	-0.08	0.20	0.02	0.00	0.27	0.33	0.04	0.12	-0.44	0.09	0.15	-0.02
May	0.12	0.00	-0.17	-0.13	0.00	-0.01	-0.03	0.13	0.16	-0.28	-0.02	-0.12	0.20	-0.01	-0.02	0.12	0.25	0.05	0.12	-0.30	0.09	0.11	-0.02
Jun	0.51	0.00	-0.06	-0.13	0.14	-0.03	-0.04	0.17	0.41	-0.20	-0.01	-0.12	0.22	-0.07	-0.06	0.02	0.30	0.07	0.11	-0.01	0.08	0.10	-0.02
Jul	0.46	0.00	0.01	-0.14	0.23	-0.03	-0.04	0.16	0.29	-0.12	-0.08	-0.13	0.16	-0.14	-0.09	-0.03	0.29	0.07	0.08	0.09	0.11	0.08	-0.02
Aug	0.69	0.00	0.15	-0.12	0.33	-0.02	-0.04	0.20	0.35	-0.09	-0.10	-0.11	0.09	-0.15	-0.10	-0.04	0.31	0.06	0.13	0.18	0.10	0.08	-0.01
Sep	0.50	0.00	0.13	-0.11	0.28	-0.01	-0.04	0.14	0.23	-0.07	-0.15	-0.07	0.02	-0.11	-0.12	-0.05	0.26	0.04	0.16	0.16	0.11	0.05	-0.01
Oct	0.22	0.00	0.06	-0.08	0.18	-0.01	-0.03	0.11	0.05	-0.09	-0.14	-0.05	-0.03	-0.06	-0.14	-0.15	0.24	0.04	0.20	0.15	0.05	0.03	-0.01
	0.04	0.00	0.01	-0.10	0.14	-0.01	-0.03	0.08	-0.05	-0.07	-0.12	-0.05	-0.06	-0.04	-0.13	-0.19	0.20	0.05	0.16	0.14	0.05	0.03	-0.01
Nov		0.00	-0.01	-0.08	0.12	-0.02	-0.03	-0.04	-0.18	-0.14	-0.04	-0.05	-0.13	-0.07	-0.11	-0.20	0.15	0.07	0.12	0.14	0.06	0.03	-0.01
Nov Dec	-0.22	0.00						0.04	0.00	0.00	0.04	0.05	-0.19	-0.11	-0.09	-0.12	0.12	0.08	0.09	0.17	0.40	0.00	0.01
Nov Dec 2024 Jan	-0.22 -0.05	0.00	0.02	-0.06	0.15	-0.03	-0.05	-0.01	-0.06	-0.09	0.01	-0.05									0.10	0.02	-0.01
Nov Dec 2024 Jan Feb	-0.22 -0.05 0.05	0.00 0.00	0.02 0.05	-0.04	0.18	-0.03	-0.06	-0.05	0.05	-0.07	0.06	-0.05	-0.20	-0.16	-0.08	-0.04	0.10	0.09	0.10	0.20	0.10	-0.01	-0.01
Nov Dec 2024 Jan Feb Mar	-0.22 -0.05 0.05 0.32	0.00 0.00 0.00	0.02 0.05 0.04	-0.04 -0.04	0.18 0.17	-0.03 -0.02	-0.06 -0.07	-0.05 -0.03	0.05 0.30	-0.07 0.06	0.06 0.10	-0.05 -0.03	-0.20 -0.19	-0.16 -0.18	-0.08 -0.07	-0.04 0.04	0.10 0.13	0.09 0.10	0.10 0.07	0.20 0.23	0.10 0.06	-0.01 -0.01	-0.01 0.00
Nov Dec 2024 Jan Feb	-0.22 -0.05 0.05	0.00 0.00	0.02 0.05	-0.04	0.18	-0.03	-0.06	-0.05	0.05	-0.07	0.06	-0.05	-0.20	-0.16	-0.08	-0.04	0.10	0.09	0.10	0.20	0.10	-0.01	-0.01

seasonally adjusted 2019=100

The GVA output is designated as an Accredited Official Statistic.
 Estimates cannot be regarded as accurate to the last digit shown.
 A complete run of data is available on the ONS website.
 Contributions are based on output GVA growth

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



CONTDID	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</sup>
CONTRID	4	Contributions to growth of gross value added at basic prices <sup>2,3,4</sup>

		to growth of gro										Industry sectior	easonally adjusted										
										Wholesale		maaad y Section	10 (0102007)										Activities of
	Total						Water			and retail:		Accommodation				Professional,	Administrative	Public					households
	GVA at	Agriculture,	Total			Electricity	supply,		Total	repair of	<b>-</b> .	and food	Information	Financial		scientific	and support ad			Human health	Arts,	Other	as employers
	basic prices	forestry and fishing	production industries	Mining & quarrying	Manufacturing	gas, steam and air	sewerage etc	Construction	service industries	motor vehicles and motorcycles	Transport and storage	service	and Communication	and insurance activities	Real estate activities	and technical activities	service activities	and defence	Education	and social work activities	entertainment and recreation	service activities	undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	1	J	K	L	M	N	0	P	Q	R	S	goodo and connoce
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
Contributon to growth, lates	t month on prev	ious month																					
	EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2022 May	0.66	0.00	0.03	0.00	0.06	-0.01	-0.02	0.13	0.50	-0.14	0.03	0.02	0.07	0.03	0.02	0.24	0.09	-0.01	0.03	0.06	-0.01	0.05	0.00
Jun	-0.99	0.00	-0.11	-0.02	-0.12	0.01	0.02	-0.15	-0.72	-0.09	-0.02	0.01	-0.09	0.01	-0.02	-0.09	-0.12	0.01	-0.01	-0.35	0.03	-0.01	0.01
Jul	0.44	0.00	-0.07	0.04	-0.08	-0.01	-0.02	0.13	0.38	0.02	0.16	-0.03	0.08	0.02	0.00	-0.02	0.06	0.03	0.02	0.05	-0.04	0.04	-0.01
Aug	0.10	0.00	-0.07	-0.08	0.02	-0.01	0.00	0.01	0.16	0.04	-0.06	-0.08	0.08	-0.04	0.00	0.13	0.05	0.03	-0.03	0.03	-0.01	0.01	-0.01
Sep Oct	-0.50 0.82	0.00 0.00	-0.02 0.04	0.02 -0.02	-0.04 0.11	0.01 -0.02	-0.01	-0.04 0.09	-0.45 0.69	-0.17 0.18	0.03 0.01	-0.03 0.02	-0.13 0.07	-0.09	-0.01 0.03	-0.07 0.16	-0.05 0.09	0.02 0.00	-0.01 0.03	0.06 0.02	-0.02 0.09	0.03 -0.01	0.00 0.00
Nov	0.82	0.00	-0.01	-0.02	-0.06	-0.02	-0.02 0.02	0.09	0.09	-0.03	-0.08	0.02	0.07	-0.01 0.03	-0.06	-0.05	0.09	0.00	0.03	0.02	-0.04	-0.01	0.00
Dec	-0.34	0.00	0.01	-0.06	0.04	0.00	0.02	0.13	-0.48	-0.08	-0.10	-0.03	0.02	0.04	-0.00	0.02	0.00	-0.01	-0.10	-0.19	-0.03	0.00	-0.01
2023 Jan	0.36	0.00	-0.01	-0.04	0.03	0.00	0.00	-0.22	0.59	0.03	0.11	0.00	0.08	0.05	0.01	-0.08	0.09	0.00	0.14	0.10	0.04	0.04	-0.01
Feb	0.23	0.00	0.01	0.03	0.01	-0.02	-0.02	0.14	0.08	-0.03	0.01	0.01	-0.01	0.02	-0.01	0.01	0.07	-0.03	-0.03	0.04	0.02	0.03	0.00
Mar	-0.33	0.00	0.09	-0.02	0.06	0.03	0.03	-0.02	-0.40	-0.14	-0.06	-0.06	-0.10	-0.02	0.02	-0.03	-0.07	0.01	0.07	-0.02	0.03	-0.04	0.00
Apr	0.11	0.00	0.01	0.00	0.05	-0.02	-0.02	-0.02	0.12	0.08	-0.01	0.07	0.05	-0.02	-0.02	-0.04	0.03	0.01	-0.03	-0.01	0.01	0.00	0.00
May	-0.31	0.00	-0.12	0.00	-0.05	-0.05	-0.02	-0.07	-0.12	-0.02	-0.02	-0.06	0.01	-0.06	-0.01	-0.01	-0.05	0.01	0.00	0.10	0.03	-0.04	0.00
Jun	0.77	0.00	0.33	-0.01	0.31	0.02	0.02	0.18	0.26	0.06	0.03	0.03	0.03	-0.07	-0.03	-0.07	0.13	0.02	0.06	0.05	-0.02	0.04	0.00
Jul	-0.52	0.00	-0.13	0.00	-0.13	0.01 0.01	-0.01	-0.03	-0.35	-0.02 0.03	-0.04	-0.03	-0.16	0.01	-0.04	0.06 0.00	-0.06	0.01	-0.10	-0.09 0.04	0.07	0.03	0.00
Aug Sep	-0.01 0.01	0.00 0.00	-0.06 -0.02	0.02 -0.02	-0.07 -0.04	0.01	-0.02 0.02	-0.06 0.04	0.10 -0.01	-0.05	0.01 -0.01	-0.02 0.03	-0.01 -0.01	0.02 -0.01	0.02 -0.06	-0.04	-0.02 0.00	0.01 0.02	0.16 0.01	0.04	-0.10 -0.01	-0.04 0.02	0.00 0.00
Oct	-0.44	0.00	-0.17	-0.02	-0.12	-0.05	0.02	-0.03	-0.23	0.02	0.02	-0.02	-0.11	0.00	0.03	-0.05	0.02	0.02	-0.06	-0.05	0.00	-0.04	0.00
Nov	0.22	0.00	0.06	0.00	0.07	0.00	-0.01	-0.04	0.19	0.05	0.02	0.01	0.07	-0.01	0.01	0.03	-0.05	0.02	-0.04	0.02	0.03	0.05	0.00
Dec	-0.07	0.00	0.08	-0.01	0.08	0.01	-0.01	-0.04	-0.10	-0.21	0.01	0.03	0.03	-0.02	-0.01	0.12	0.07	0.01	-0.07	-0.07	0.03	-0.03	0.00
2024 Jan	0.38	0.00	-0.09	-0.01	-0.05	0.00	-0.03	0.06	0.40	0.24	0.05	-0.03	-0.06	0.02	0.01	-0.02	0.03	-0.01	0.06	0.10	0.00	0.01	0.00
Feb	0.25	0.00	0.12	0.00	0.10	0.01	0.01	-0.10	0.23	-0.07	0.10	-0.02	0.09	-0.03	0.01	0.07	0.02	-0.01	0.05	0.01	0.02	0.00	0.00
Mar	0.43	0.00	0.02	0.01	0.01	0.01	0.00	0.01	0.40	0.07	0.04	0.04	-0.05	0.00	0.02	0.10	0.11	0.00	0.00	0.10	-0.05	0.02	0.00
Apr	0.03	0.00	-0.12	0.01	-0.15	0.00	0.02	-0.07	0.22	-0.13	-0.01	-0.02	0.21	-0.01	0.00	0.07	0.04	0.01	0.03	-0.03	0.04	0.04	0.00
May	0.37	0.00	0.03	0.00	0.04	-0.02	0.00	0.11	0.22	0.18	0.02	0.07	-0.10	-0.02	-0.05	0.09	0.03	0.01	-0.04	0.06	0.02	-0.05	0.00
Contribution to growth, late	est month on sar	ne 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
2022 May	4.24	0.02	-0.50	0.08	-0.36	-0.23	0.01	0.37	4.35	-0.32	0.48	0.48	0.43	0.15	0.11	0.60	0.40	0.11	0.30	1.19	0.24	0.19	0.00
Jun	2.03	0.01	-0.40	0.14	-0.43	-0.12	0.01	0.26	2.16	-0.54	0.35	0.24	0.32	0.18	0.05	0.19	0.21	0.10	0.16	0.38	0.28	0.25	0.00
Jui Aug	3.03 2.23	0.01 0.00	-0.32 -0.42	0.10 -0.13	-0.39 -0.30	-0.03 0.01	-0.01 0.00	0.44 0.51	2.91 2.13	-0.40 -0.37	0.50 0.37	0.23 -0.20	0.34 0.41	0.28 0.21	0.15 0.11	0.35 0.49	0.25 0.30	0.12 0.15	0.29 0.31	0.32 0.03	0.21 0.11	0.25 0.18	0.02 0.03
Sep	1.12	0.00	-0.42	-0.15	-0.29	0.01	0.00	0.43	0.97	-0.56	0.33	-0.20	0.41	0.01	0.09	0.34	0.30	0.15	0.25	-0.21	0.09	0.10	0.03
				0.00		0.05	-0.03	0.53	1.21	-0.43	0.28	0.06	0.29	-0.13	0.10	0.79	0.20	0.20	0.26	-0.61	0.16	0.03	0.01
				-0.05	-0.10																0.10		
Oct Nov	1.60 0.88	-0.01 0.00	-0.13 -0.34	-0.05 0.01	-0.10 -0.35	0.03	-0.01	0.43	0.79	-0.38	0.14	0.19	0.37	-0.18	0.10			0.20	0.30	-0.77	0.10	0.05	0.00
Oct	1.60	-0.01	-0.13													0.52 0.50	0.25			-0.77 -1.01	0.10 0.07	0.05 0.13	0.00 -0.02
Oct Nov	1.60 0.88	-0.01 0.00	-0.13 -0.34	0.01	-0.35	0.01	-0.01	0.43	0.79	-0.38	0.14	0.19	0.37	-0.18	0.05	0.52	0.25	0.15	0.30				
Oct Nov Dec 2023 Jan Feb	1.60 0.88 1.05 0.95 0.64	-0.01 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28	0.01 -0.05 -0.13 -0.09	-0.35 -0.31 -0.18 -0.13	0.01 0.01 -0.01 -0.03	-0.01 -0.01 -0.01 -0.02	0.43 0.50 0.20 0.33	0.79 0.91 1.07 0.59	-0.38 -0.24 -0.36 -0.26	0.14 0.02 0.06 0.04	0.19 0.48 0.31 -0.03	0.37 0.44 0.29 0.19	-0.18 -0.14 -0.01 0.03	0.05 0.03 0.05 0.02	0.52 0.50 0.41 0.37	0.25 0.32 0.42 0.40	0.15 0.13 0.10 0.03	0.30 0.18 0.11 0.07	-1.01 -0.53 -0.54	0.07 0.12 0.11	0.13 0.13 0.18	-0.02 -0.02 -0.03
Oct Nov Dec 2023 Jan Feb Mar	1.60 0.88 1.05 0.95 0.64 0.18	-0.01 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14	0.01 -0.05 -0.13 -0.09 -0.12	-0.35 -0.31 -0.18 -0.13 -0.05	0.01 0.01 -0.01 -0.03 0.02	-0.01 -0.01 -0.01 -0.02 0.00	0.43 0.50 0.20 0.33 0.22	0.79 0.91 1.07 0.59 0.11	-0.38 -0.24 -0.36 -0.26 -0.31	0.14 0.02 0.06 0.04 -0.03	0.19 0.48 0.31 -0.03 -0.13	0.37 0.44 0.29 0.19 0.20	-0.18 -0.14 -0.01 0.03 0.02	0.05 0.03 0.05 0.02 0.03	0.52 0.50 0.41 0.37 0.26	0.25 0.32 0.42 0.40 0.29	0.15 0.13 0.10 0.03 0.04	0.30 0.18 0.11 0.07 0.17	-1.01 -0.53 -0.54 -0.61	0.07 0.12 0.11 0.08	0.13 0.13 0.18 0.12	-0.02 -0.02 -0.03 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr	1.60 0.88 1.05 0.95 0.64 0.18 0.57	-0.01 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12	0.01 -0.05 -0.13 -0.09 -0.12 -0.13	-0.35 -0.31 -0.18 -0.13 -0.05 0.07	0.01 0.01 -0.01 -0.03 0.02 -0.01	-0.01 -0.01 -0.02 0.00 -0.04	0.43 0.50 0.20 0.33 0.22 0.19	0.79 0.91 1.07 0.59 0.11 0.50	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32	0.14 0.02 0.06 0.04 -0.03 0.01	0.19 0.48 0.31 -0.03 -0.13 -0.07	0.37 0.44 0.29 0.19 0.20 0.23	-0.18 -0.14 -0.01 0.03 0.02 0.02	0.05 0.03 0.05 0.02 0.03 -0.03	0.52 0.50 0.41 0.37 0.26 0.18	0.25 0.32 0.42 0.40 0.29 0.30	0.15 0.13 0.10 0.03 0.04 0.05	0.30 0.18 0.11 0.07 0.17 0.11	-1.01 -0.53 -0.54 -0.61 -0.17	0.07 0.12 0.11 0.08 0.07	0.13 0.13 0.18 0.12 0.15	-0.02 -0.02 -0.03 -0.01 -0.02
Oct Nov Dec 2023 Jan Feb Mar Apr May	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13	-0.35 -0.31 -0.18 -0.13 -0.05 0.07 -0.04	0.01 0.01 -0.03 0.02 -0.01 -0.05	-0.01 -0.01 -0.02 0.00 -0.04 -0.04	0.43 0.50 0.20 0.33 0.22 0.19 -0.01	0.79 0.91 1.07 0.59 0.11 0.50 -0.13	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15	0.37 0.44 0.29 0.19 0.20 0.23 0.16	-0.18 -0.14 -0.01 0.03 0.02 0.02 -0.08	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07	0.52 0.50 0.41 0.37 0.26 0.18 -0.07	0.25 0.32 0.42 0.40 0.29 0.30 0.17	0.15 0.13 0.00 0.03 0.04 0.05 0.07	0.30 0.18 0.11 0.07 0.17 0.11 0.07	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13	0.07 0.12 0.11 0.08 0.07 0.11	0.13 0.13 0.18 0.12 0.15 0.06	-0.02 -0.02 -0.03 -0.01 -0.02 -0.02
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40 1.37	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13	-0.35 -0.31 -0.18 -0.13 -0.05 0.07 -0.04 0.39	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86	-0.38 -0.24 -0.36 -0.21 -0.32 -0.21 -0.06	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28	-0.18 -0.14 -0.01 0.03 0.02 0.02 -0.08 -0.16	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07 -0.08	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27	0.07 0.12 0.11 0.08 0.07 0.11 0.06	0.13 0.13 0.18 0.12 0.15 0.06 0.10	-0.02 -0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jun	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40 1.37 0.41	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19 0.12	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13 -0.13	-0.35 -0.31 -0.18 -0.13 -0.05 0.07 -0.04 0.39 0.34	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86 0.12	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07 -0.08 -0.12	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08 0.06	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17	0.13 0.13 0.18 0.12 0.15 0.06 0.10 0.09	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.02
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40 1.37 0.41 0.29	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13	-0.35 -0.31 -0.18 -0.13 -0.05 0.07 -0.04 0.39 0.34 0.25	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.05	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86 0.12 0.06	-0.38 -0.24 -0.36 -0.21 -0.32 -0.21 -0.06	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19 -0.12	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17 -0.11	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07 -0.08 -0.12 -0.10	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08 0.06 0.03	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03 0.21	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08	0.13 0.13 0.18 0.12 0.15 0.06 0.10	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.01 0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jun	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40 1.37 0.41	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19 0.12 0.13	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13 -0.16 -0.06	-0.35 -0.31 -0.18 -0.05 0.07 -0.04 0.39 0.34 0.25 0.25	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.05 -0.03	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86 0.12	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04 -0.05	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07 -0.08 -0.12	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08 0.06	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09	0.13 0.13 0.18 0.12 0.15 0.06 0.10 0.09 0.04	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.01 0.00 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep	1.60 0.88 1.05 0.95 0.64 0.18 0.57 -0.40 1.37 0.41 0.29 0.81	$\begin{array}{c} -0.01\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\end{array}$	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19 0.12 0.13 0.13	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13 -0.16 -0.06 -0.10	-0.35 -0.31 -0.18 -0.13 -0.05 0.07 -0.04 0.39 0.34 0.25	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 0.01	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.05	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09	$\begin{array}{c} 0.79\\ 0.91\\ 1.07\\ 0.59\\ 0.11\\ 0.50\\ -0.13\\ 0.86\\ 0.12\\ 0.06\\ 0.50\\ \end{array}$	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11 0.00	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19 -0.12 -0.15	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07 -0.01	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04 -0.05 0.08	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17 -0.11 -0.04	0.05 0.03 0.05 0.02 0.03 -0.03 -0.07 -0.08 -0.12 -0.10 -0.15	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22	0.15 0.13 0.10 0.03 0.04 0.05 0.07 0.08 0.06 0.03 0.03	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03 0.21 0.23	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08	0.13 0.13 0.18 0.12 0.15 0.06 0.10 0.09 0.04 0.03	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.01 0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	$\begin{array}{c} 1.60\\ 0.88\\ 1.05\\ 0.95\\ 0.64\\ 0.18\\ 0.57\\ -0.40\\ 1.37\\ 0.41\\ 0.29\\ 0.81\\ -0.45\\ -0.24\\ 0.03\\ \end{array}$	-0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} -0.13\\ -0.34\\ -0.36\\ -0.33\\ -0.28\\ -0.14\\ -0.12\\ -0.26\\ 0.12\\ 0.12\\ 0.13\\ 0.13\\ -0.09\\ -0.01\\ 0.06\end{array}$	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.16 -0.06 -0.10 -0.09 -0.10 -0.05	$\begin{array}{c} -0.35\\ -0.31\\ -0.18\\ -0.13\\ -0.05\\ 0.07\\ -0.04\\ 0.39\\ 0.34\\ 0.25\\ 0.25\\ 0.25\\ 0.02\\ 0.15\\ 0.19\end{array}$	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 0.01 -0.02 -0.02 -0.02 -0.02 -0.04	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.05 -0.03 0.00 0.00 -0.04 -0.04	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17 0.05 0.00 -0.17	0.79 0.91 1.07 0.59 0.11 0.50 0.13 0.86 0.12 0.06 0.50 0.12 0.06 0.50 0.42 0.25 0.13	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11 0.00 -0.15 -0.07 -0.20	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19 -0.12 -0.15 -0.14 -0.15 -0.05	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07 -0.01 -0.06 -0.07 -0.01	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04 -0.05 0.08 -0.11 -0.15 -0.14	-0.18 -0.14 -0.01 0.02 -0.08 -0.16 -0.17 -0.11 -0.04 -0.03 -0.06	0.05 0.03 0.05 0.02 0.03 -0.03 -0.03 -0.07 -0.08 -0.12 -0.10 -0.15 -0.09 -0.09	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07 -0.28 -0.20 -0.10	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28 0.21 0.10 0.16	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08 0.03 0.03 0.03 0.03 0.03 0.03 0.05 0.07 0.09	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03 0.21 0.23 0.15 0.09 0.13	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20 0.12 0.09 0.21	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09 0.00 0.00 0.07 0.13	$\begin{array}{c} 0.13\\ 0.13\\ 0.18\\ 0.12\\ 0.15\\ 0.06\\ 0.10\\ 0.09\\ 0.04\\ 0.03\\ 0.01\\ 0.05\\ 0.02\\ \end{array}$	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.01 0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan	$\begin{array}{c} 1.60\\ 0.88\\ 1.05\\ 0.95\\ 0.64\\ 0.18\\ 0.57\\ -0.40\\ 1.37\\ 0.41\\ 0.29\\ 0.81\\ -0.45\\ -0.24\\ 0.03\\ 0.05\\ \end{array}$	$\begin{array}{c} -0.01\\ 0.00$	-0.13 -0.34 -0.36 -0.33 -0.28 -0.14 -0.12 -0.26 0.19 0.12 0.13 0.13 -0.09 -0.01	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13 -0.16 -0.06 -0.10 -0.09 -0.10 -0.05 -0.02	$\begin{array}{c} -0.35\\ -0.31\\ -0.18\\ -0.13\\ -0.05\\ 0.07\\ -0.04\\ 0.39\\ 0.34\\ 0.25\\ 0.25\\ 0.25\\ 0.25\\ 0.02\\ 0.15\\ 0.19\\ 0.12\end{array}$	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 -0.02 -0.02 -0.02 -0.04 -0.02	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 0.00 -0.03 0.00 -0.04 -0.04 -0.04	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17 0.05 0.00 -0.17 0.12	0.79 0.91 1.07 0.59 0.11 0.50 0.13 0.86 0.12 0.06 0.50 -0.42 -0.25 0.13 -0.06	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11 0.00 -0.15 -0.07 -0.20 0.01	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19 -0.12 -0.15 -0.14 -0.05 0.07 0.01	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07 -0.01 -0.06 -0.07 -0.01 -0.05	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04 -0.05 0.08 -0.11 -0.15 -0.14 -0.28	-0.18 -0.14 -0.01 0.03 -0.02 -0.08 -0.16 -0.17 -0.11 -0.03 -0.03 -0.06	$\begin{array}{c} 0.05\\ 0.03\\ 0.05\\ 0.02\\ 0.03\\ -0.03\\ -0.07\\ -0.08\\ -0.12\\ -0.10\\ -0.15\\ -0.15\\ -0.15\\ -0.09\\ -0.09\\ -0.08\\ \end{array}$	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07 -0.28 -0.20 -0.10 -0.04	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28 0.21 0.10 0.16 0.10	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.08 0.03 0.03 0.03 0.03 0.05 0.07	0.30 0.18 0.11 0.07 0.17 0.11 0.07 0.14 0.03 0.21 0.23 0.15 0.09 0.13 0.05	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20 0.20 0.21 0.21	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09 0.00 0.07 0.13 0.09	$\begin{array}{c} 0.13\\ 0.13\\ 0.18\\ 0.12\\ 0.15\\ 0.06\\ 0.10\\ 0.09\\ 0.04\\ 0.03\\ 0.01\\ 0.05\\ 0.02\\ -0.01\\ \end{array}$	-0.02 -0.03 -0.03 -0.01 -0.02 -0.02 -0.02 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb	$\begin{array}{c} 1.60\\ 0.88\\ 1.05\\ 0.95\\ 0.64\\ 0.18\\ 0.57\\ -0.40\\ 1.37\\ 0.41\\ 0.29\\ 0.81\\ -0.45\\ -0.24\\ 0.03\\ 0.05\\ 0.07\end{array}$	$\begin{array}{c} -0.01\\ 0.00$	$\begin{array}{c} -0.13\\ -0.34\\ -0.36\\ -0.33\\ -0.28\\ -0.14\\ -0.12\\ -0.26\\ 0.19\\ 0.12\\ 0.13\\ -0.09\\ -0.01\\ 0.06\\ -0.01\\ 0.10\end{array}$	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.16 -0.06 -0.10 -0.09 -0.10 -0.05 -0.02 -0.06	$\begin{array}{c} -0.35\\ -0.31\\ -0.18\\ -0.13\\ -0.05\\ 0.07\\ -0.04\\ 0.39\\ 0.34\\ 0.25\\ 0.25\\ 0.02\\ 0.15\\ 0.19\\ 0.12\\ 0.22\end{array}$	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 -0.02 -0.02 -0.02 -0.04 -0.02 -0.02 -0.04 -0.02 -0.04 -0.02 -0.04 -0.01	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.03 -0.03 0.00 -0.04 -0.04 -0.04 -0.04 -0.04 -0.08 -0.05	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17 0.05 0.00 -0.17 0.12 -0.12	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86 0.12 0.06 0.50 -0.42 -0.25 0.13 -0.06 0.08	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11 0.00 -0.15 -0.07 -0.20 0.01 -0.02	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.12 -0.15 -0.14 -0.05 0.07 0.01 0.10	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07 -0.01 -0.06 -0.07 -0.01 -0.05 -0.08	0.37 0.44 0.29 0.19 0.23 0.16 0.28 0.04 -0.05 0.08 -0.11 -0.15 -0.14 -0.28 -0.18	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17 -0.11 -0.04 -0.03 -0.06 -0.15 -0.20	0.05 0.03 0.05 0.02 0.03 -0.07 -0.08 -0.12 -0.10 -0.15 -0.15 -0.09 -0.09 -0.08 -0.08 -0.07	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07 -0.28 -0.20 -0.10 -0.04 0.02	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28 0.21 0.10 0.16 0.10 0.05	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.03 0.03 0.03 0.05 0.07 0.09 0.09 0.09 0.09 0.09 0.01 0.01 0.02 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.05 0.07 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.05 0.02 0.09 0.08 0.01 0.02	$\begin{array}{c} 0.30\\ 0.18\\ 0.11\\ 0.07\\ 0.17\\ 0.11\\ 0.07\\ 0.14\\ 0.03\\ 0.21\\ 0.23\\ 0.15\\ 0.09\\ 0.13\\ 0.05\\ 0.12\\ \end{array}$	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20 0.20 0.20 0.21 0.21 0.21 0.21	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09 0.00 0.07 0.13 0.09 0.09 0.09	0.13 0.13 0.18 0.12 0.15 0.06 0.10 0.09 0.04 0.03 0.01 0.05	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb Mar	$\begin{array}{c} 1.60\\ 0.88\\ 1.05\\ 0.95\\ 0.64\\ 0.18\\ 0.57\\ -0.40\\ 1.37\\ 0.41\\ 0.29\\ 0.81\\ -0.45\\ -0.24\\ 0.03\\ 0.05\\ 0.07\\ 0.83\\ \end{array}$	$\begin{array}{c} -0.01\\ 0.00$	$\begin{array}{c} -0.13\\ -0.34\\ -0.36\\ -0.33\\ -0.28\\ -0.14\\ -0.12\\ -0.26\\ 0.19\\ 0.12\\ 0.13\\ -0.09\\ -0.01\\ 0.06\\ -0.01\\ 0.10\\ 0.03\\ \end{array}$	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.13 -0.13 -0.16 -0.06 -0.10 -0.09 -0.10 -0.05 -0.02 -0.06 -0.03	$\begin{array}{c} -0.35\\ -0.31\\ -0.18\\ -0.13\\ -0.05\\ 0.07\\ -0.04\\ 0.39\\ 0.34\\ 0.25\\ 0.25\\ 0.25\\ 0.25\\ 0.15\\ 0.19\\ 0.12\\ 0.22\\ 0.17\end{array}$	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 -0.02 -0.02 -0.04 -0.03	$\begin{array}{c} -0.01\\ -0.01\\ -0.02\\ 0.00\\ -0.04\\ -0.05\\ -0.03\\ -0.05\\ -0.03\\ 0.00\\ -0.04\\ -0.04\\ -0.04\\ -0.08\\ -0.05\\ -0.05\\ -0.07\end{array}$	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17 0.05 0.00 -0.17 0.12 -0.12 -0.09	$\begin{array}{c} 0.79\\ 0.91\\ 1.07\\ 0.59\\ 0.11\\ 0.50\\ -0.13\\ 0.86\\ 0.12\\ 0.06\\ 0.50\\ -0.42\\ -0.25\\ 0.13\\ -0.06\\ 0.08\\ 0.88\\ 0.88\end{array}$	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.10 -0.15 -0.07 -0.20 0.01 -0.02 0.19	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.19 -0.12 -0.15 -0.14 -0.05 0.07 0.01 0.10 0.20	$\begin{array}{c} 0.19\\ 0.48\\ 0.31\\ -0.03\\ -0.13\\ -0.07\\ -0.15\\ -0.13\\ -0.12\\ -0.07\\ -0.01\\ -0.06\\ -0.07\\ -0.01\\ -0.05\\ -0.08\\ 0.02\\ \end{array}$	0.37 0.44 0.29 0.19 0.20 0.23 0.16 0.28 0.04 -0.05 0.08 -0.11 -0.15 -0.14 -0.28 -0.18 -0.13	-0.18 -0.14 -0.01 0.02 0.02 -0.08 -0.16 -0.17 -0.11 -0.04 -0.03 -0.06 -0.12 -0.15 -0.20 -0.20 -0.18	0.05 0.03 0.05 0.02 0.03 -0.07 -0.08 -0.12 -0.10 -0.15 -0.09 -0.09 -0.09 -0.09 -0.07	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07 -0.28 -0.20 -0.10 -0.04 0.02 0.14	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28 0.21 0.10 0.16 0.10 0.05 0.24	0.15 0.13 0.10 0.03 0.04 0.05 0.07 0.08 0.06 0.03 0.03 0.03 0.03 0.05 0.07 0.09 0.08 0.11 0.10	$\begin{array}{c} 0.30\\ 0.18\\ 0.11\\ 0.07\\ 0.17\\ 0.11\\ 0.07\\ 0.14\\ 0.03\\ 0.21\\ 0.23\\ 0.15\\ 0.09\\ 0.13\\ 0.05\\ 0.12\\ 0.05\\ \end{array}$	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20 0.12 0.09 0.21 0.21 0.21 0.21 0.21	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09 0.00 0.07 0.13 0.09 0.09 0.09 0.01	$\begin{array}{c} 0.13\\ 0.13\\ 0.18\\ 0.12\\ 0.15\\ 0.06\\ 0.10\\ 0.09\\ 0.04\\ 0.03\\ 0.01\\ 0.05\\ 0.02\\ -0.01\\ -0.05\\ 0.01\\ \end{array}$	-0.02 -0.03 -0.01 -0.02 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.01 -0.02 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.02 -0.01 -0.01 -0.02 -0.02 -0.02 -0.01 -0.02 -0.02 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01 -0.02 -0.01
Oct Nov Dec 2023 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2024 Jan Feb	$\begin{array}{c} 1.60\\ 0.88\\ 1.05\\ 0.95\\ 0.64\\ 0.18\\ 0.57\\ -0.40\\ 1.37\\ 0.41\\ 0.29\\ 0.81\\ -0.45\\ -0.24\\ 0.03\\ 0.05\\ 0.07\end{array}$	$\begin{array}{c} -0.01\\ 0.00$	$\begin{array}{c} -0.13\\ -0.34\\ -0.36\\ -0.33\\ -0.28\\ -0.14\\ -0.12\\ -0.26\\ 0.19\\ 0.12\\ 0.13\\ -0.09\\ -0.01\\ 0.06\\ -0.01\\ 0.10\end{array}$	0.01 -0.05 -0.13 -0.09 -0.12 -0.13 -0.13 -0.16 -0.06 -0.10 -0.09 -0.10 -0.05 -0.02 -0.06	$\begin{array}{c} -0.35\\ -0.31\\ -0.18\\ -0.13\\ -0.05\\ 0.07\\ -0.04\\ 0.39\\ 0.34\\ 0.25\\ 0.25\\ 0.02\\ 0.15\\ 0.19\\ 0.12\\ 0.22\end{array}$	0.01 0.01 -0.03 0.02 -0.01 -0.05 -0.04 -0.02 -0.01 -0.02 -0.02 -0.02 -0.04 -0.02 -0.02 -0.04 -0.02 -0.04 -0.02 -0.04 -0.01	-0.01 -0.01 -0.02 0.00 -0.04 -0.04 -0.05 -0.03 -0.03 -0.03 0.00 -0.04 -0.04 -0.04 -0.04 -0.04 -0.08 -0.05	0.43 0.50 0.20 0.33 0.22 0.19 -0.01 0.33 0.17 0.09 0.17 0.05 0.00 -0.17 0.12 -0.12	0.79 0.91 1.07 0.59 0.11 0.50 -0.13 0.86 0.12 0.06 0.50 -0.42 -0.25 0.13 -0.06 0.08	-0.38 -0.24 -0.36 -0.26 -0.31 -0.32 -0.21 -0.06 -0.10 -0.11 0.00 -0.15 -0.07 -0.20 0.01 -0.02	0.14 0.02 0.06 0.04 -0.03 0.01 -0.04 0.01 -0.12 -0.15 -0.14 -0.05 0.07 0.01 0.10	0.19 0.48 0.31 -0.03 -0.13 -0.07 -0.15 -0.13 -0.12 -0.07 -0.01 -0.06 -0.07 -0.01 -0.05 -0.08	0.37 0.44 0.29 0.19 0.23 0.16 0.28 0.04 -0.05 0.08 -0.11 -0.15 -0.14 -0.28 -0.18	-0.18 -0.14 -0.01 0.03 0.02 -0.08 -0.16 -0.17 -0.11 -0.04 -0.03 -0.06 -0.15 -0.20	0.05 0.03 0.05 0.02 0.03 -0.07 -0.08 -0.12 -0.10 -0.15 -0.15 -0.09 -0.09 -0.08 -0.08 -0.07	0.52 0.50 0.41 0.37 0.26 0.18 -0.07 -0.05 0.03 -0.10 -0.07 -0.28 -0.20 -0.10 -0.04 0.02	0.25 0.32 0.42 0.40 0.29 0.30 0.17 0.41 0.29 0.22 0.28 0.21 0.10 0.16 0.10 0.05	0.15 0.13 0.00 0.03 0.04 0.05 0.07 0.03 0.03 0.03 0.05 0.07 0.09 0.09 0.09 0.09 0.09 0.01 0.01 0.02 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.03 0.05 0.07 0.09 0.09 0.09 0.09 0.09 0.09 0.01 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.03 0.05 0.02 0.09 0.08 0.01 0.02	$\begin{array}{c} 0.30\\ 0.18\\ 0.11\\ 0.07\\ 0.17\\ 0.11\\ 0.07\\ 0.14\\ 0.03\\ 0.21\\ 0.23\\ 0.15\\ 0.09\\ 0.13\\ 0.05\\ 0.12\\ \end{array}$	-1.01 -0.53 -0.54 -0.61 -0.17 -0.13 0.27 0.13 0.14 0.20 0.20 0.20 0.21 0.21 0.21 0.21	0.07 0.12 0.11 0.08 0.07 0.11 0.06 0.17 0.08 0.09 0.00 0.07 0.13 0.09 0.09 0.09	0.13 0.13 0.18 0.12 0.15 0.06 0.10 0.09 0.04 0.03 0.01 0.05	-0.02 -0.03 -0.01 -0.02 -0.02 -0.02 -0.02 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01

The GVA output is designated as an Accredited Official Statistic.
 Estimates cannot be regarded as accurate to the last digit shown.
 A complete run of data is available on the ONS website.
 Contributions are based on output GVA growth

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

