Office for
National Statistics

Statistical bulletin

GDP monthly estimate, UK: August 2023

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

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1 . Main points

- Monthly real gross domestic product (GDP) is estimated to have grown by 0.2% in August 2023, following a fall of 0.6% in July 2023, revised down from a 0.5% fall in our previous publication.

- Looking at the broader picture, GDP increased by 0.3% in the three months to August 2023, with growth in all sectors.

- Services output rose by 0.4% in August 2023 and was the main contributor to the growth in GDP.

- Output in consumer-facing services fell by 0.6% in August 2023 after a fall of 0.2% in July 2023, revised down from no growth in our previous publication.

- Production output fell by 0.7% in August 2023 after falling by 1.1% in July 2023, revised down from a 0.7% fall in our previous publication.

- The construction sector fell by 0.5% in August 2023 after a fall of 0.4% in July 2023, revised up from a 0.5% fall in our previous publication.

2 . Monthly gross domestic product

Monthly real gross domestic product (GDP) is estimated to have grown by 0.2% in August 2023, following a fall of 0.6% in July 2023 (Figure 1), revised down from a fall of 0.5% in our previous publication.

This release gives data for August 2023 for the first time. In line with the National Accounts Revisions Policy, it also incorporates revisions to monthly data from January 1997 to June 2023, as published in our Quarterly national accounts bulletin on 29 September 2023. July 2023 is also open to revision for the first time. Further information on these revisions can be found in Section 7: Revisions to gross domestic product.

Looking at the broader picture, GDP showed 0.3% growth in the three months to August 2023 when compared with the three months to May 2023. Production grew by 1.2% and was the main contributing sector to the three-month growth. Services output rose by 0.1% and construction by 0.9%.

Figure 1: UK GDP is estimated to have grown by 0.2% in August 2023

Monthly index, January 2007 to August 2023, UK

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Monthly index, January 2007 to August 2023, UK
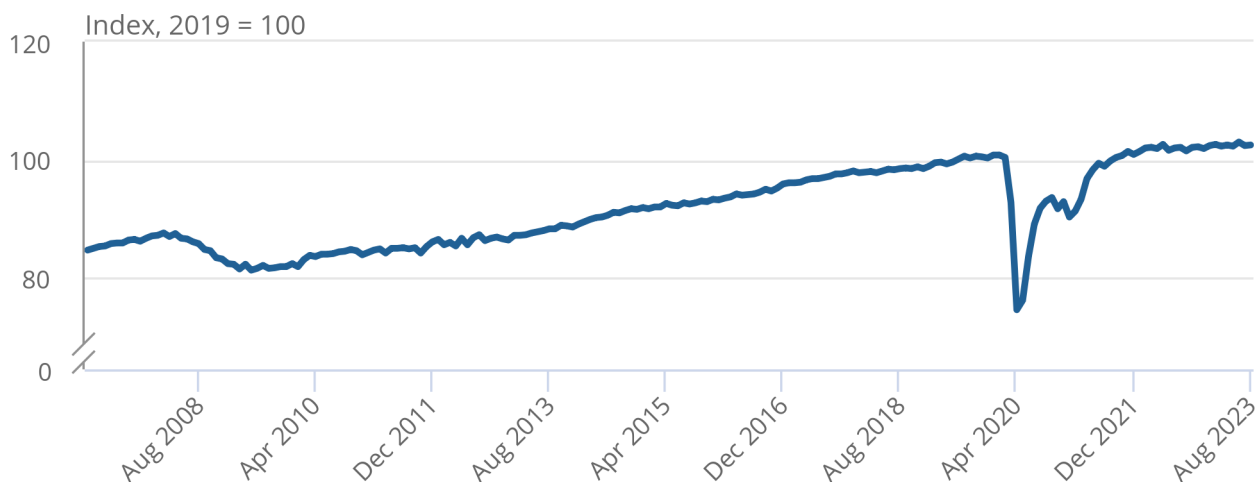
Source: GDP monthly estimate from the Office for National Statistics

Output in the services sector rose by 0.4% in August 2023 and was the only positive contributing sector to the growth in monthly GDP. Production output fell by 0.7% and construction output fell by 0.5% (Figure 2).

Figure 2: The services sector was the main contributor to the 0.2% growth in GDP in August 2023

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

Figure 2: The services sector was the main contributor to the 0.2% growth in GDP in August 2023

Contributions to monthly GDP growth, August 2022 to August 2023, UK
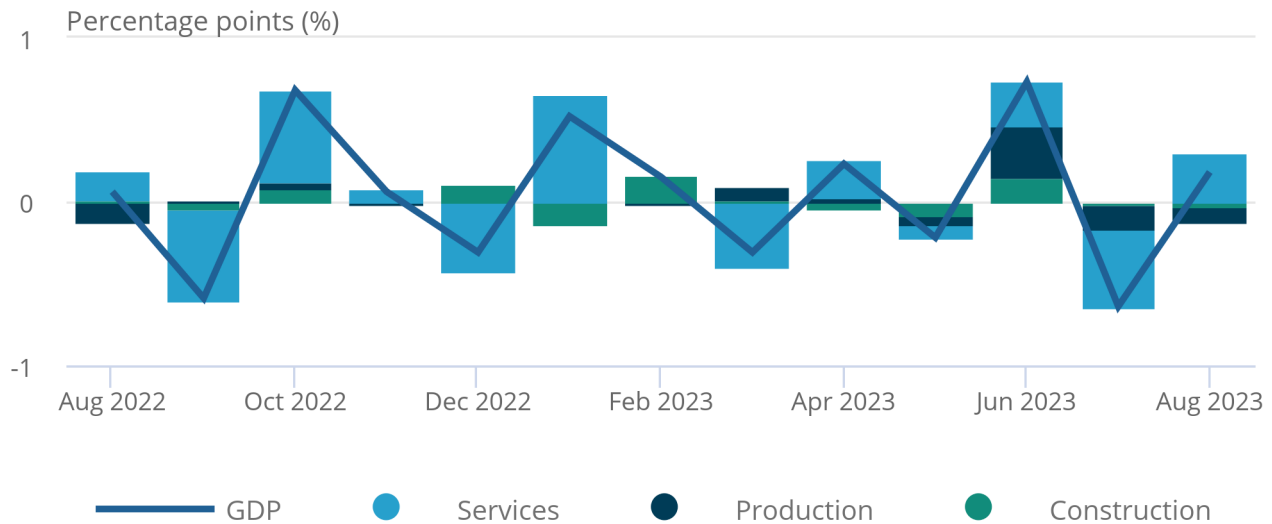
Source: GDP monthly estimate from the Office for National Statistics

Notes:

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

Monthly GDP grew by 0.5% in August 2023 compared with the same month last year. For comparison, monthly GDP grew by 0.3% between July 2022 and July 2023 (revised up from showing no growth in our previous publication).

More about economy, business and jobs

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

3 . The services sector

Services output grew by 0.4% in August 2023 following a fall of 0.6% in July 2023, revised down from a fall of 0.5% in our last publication.

Overall, the services sector grew by 0.1% in the three months to August 2023 compared with the three months to May 2023. Figure 3 shows the monthly contributions from the services sector to GDP in August 2023.

Figure 3: Professional, scientific and technical activities and education were the largest contributors to the 0.4% growth in services output in August 2023

Monthly services contributions to GDP, August 2023

Figure 3: Professional, scientific and technical activities and education were the largest contributors to the 0.4% growth in services output in August 2023

Monthly services contributions to GDP, August 2023

Percentage points

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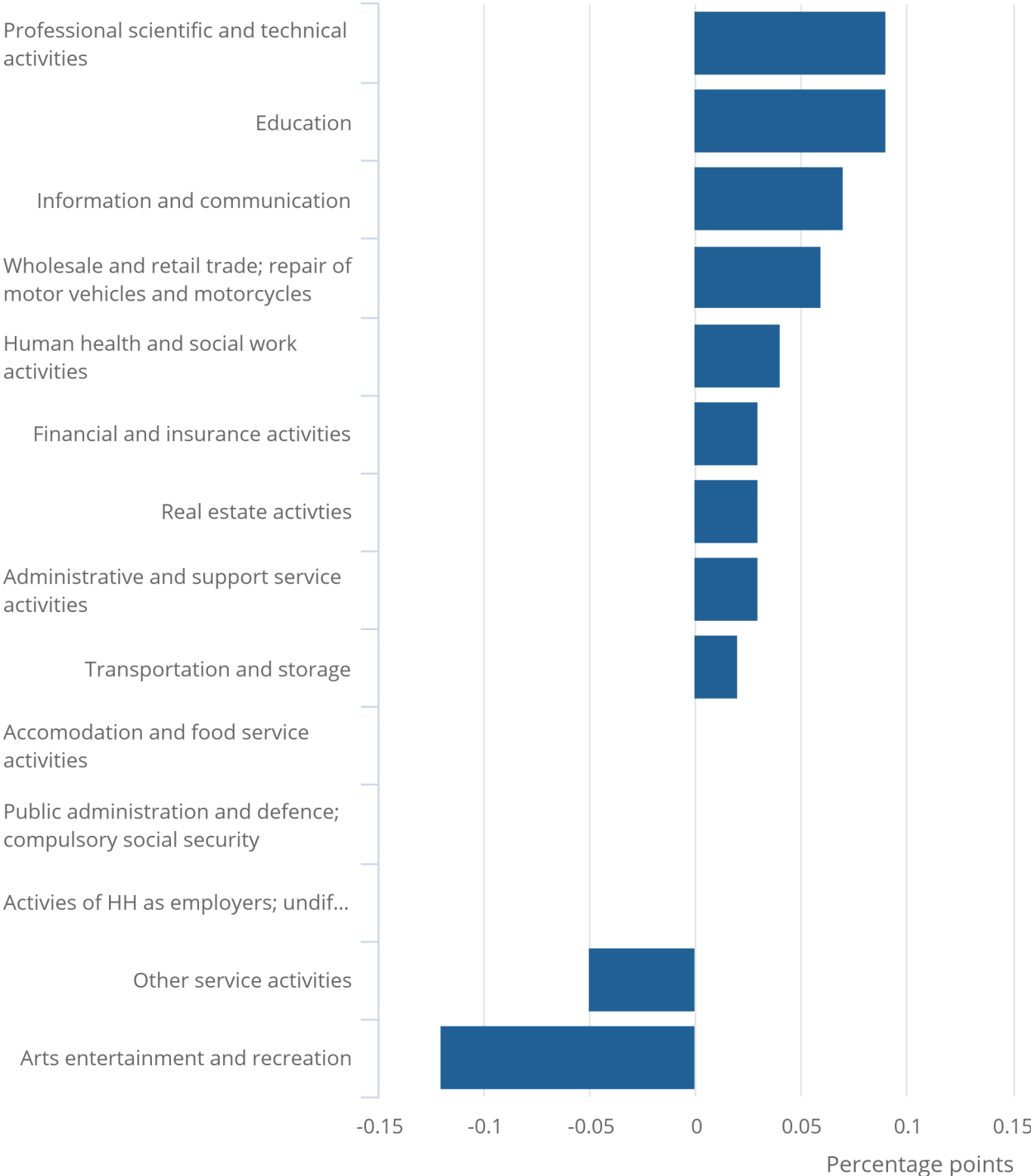
Notes:

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

The largest drivers of the growth in monthly services output were professional, scientific and technical activities, and education.

Professional, scientific and technical activities grew by 1.2% in August 2023, following on from a 0.5% growth in July 2023. The architectural and engineering activities; technical testing and analysis industry was the largest contributing industry, growing by 4.7% in August, followed by legal activities, which grew by 2.3%.

Education grew by 1.6% in August 2023, after a fall of 1.7% in July 2023 where there were two days of industrial action by teachers in England. Please note that education attendance is considered to be constant over the school year so summer holidays do not reduce the estimate of education output in August 2023. Looking at the three months to August 2023, compared with the three months to May 2023, education output showed no growth.

Information and communication also grew in August 2023, by 0.9%. The growth was driven by computer programming, consultancy and related activities, which grew by 2.4% in August after a fall of 3.1% in July. Wholesale and retail trade; repair of motor vehicles and motorcycles also grew in August 2023, by 0.6%, with the largest contributor being the wholesale trade, except of motor vehicles and motorcycles industry's growth of 1.1% in August.

The largest downward contribution was from arts, entertainment and recreation, which fell by 7.4% in August 2023, following 6.8% growth in July 2023, its largest growth since May 2021. Sports activities and amusement and recreation activities fell by 10.8%, after growth of 12.2% in July, and creative, arts and entertainment fell by 7.7%, after growth of 4.6% in July. In the three months to August 2023, compared with the three months to May 2023, arts, entertainment and recreation has grown by 2.7%.

Consumer-facing services

Output in consumer-facing services fell by 0.6% in August 2023 and remains 4.3% below pre-coronavirus (COVID-19) levels (February 2020), while all other services were 7.0% above (Figure 4). The largest negative contributions in August 2023 came from the sports activities and amusement and recreation activities industry (down 10.8%) and other personal service activities (down 4.3%).

The largest positive contributions to consumer-facing services in August 2023 came from accommodation (up 3.4%) and buying and selling, renting and operating of own or leased real estate, excluding imputed rent (up 0.7%).

Figure 4: Output in consumer-facing services fell by 0.6% in August 2023 and remains 4.3% below pre-pandemic levels

Monthly index of services, February 2020 to August 2023, UK

Figure 4: Output in consumer-facing services fell by 0.6% in August 2023 and remains 4.3% below pre-pandemic levels

Monthly index of services, February 2020 to August 2023, UK
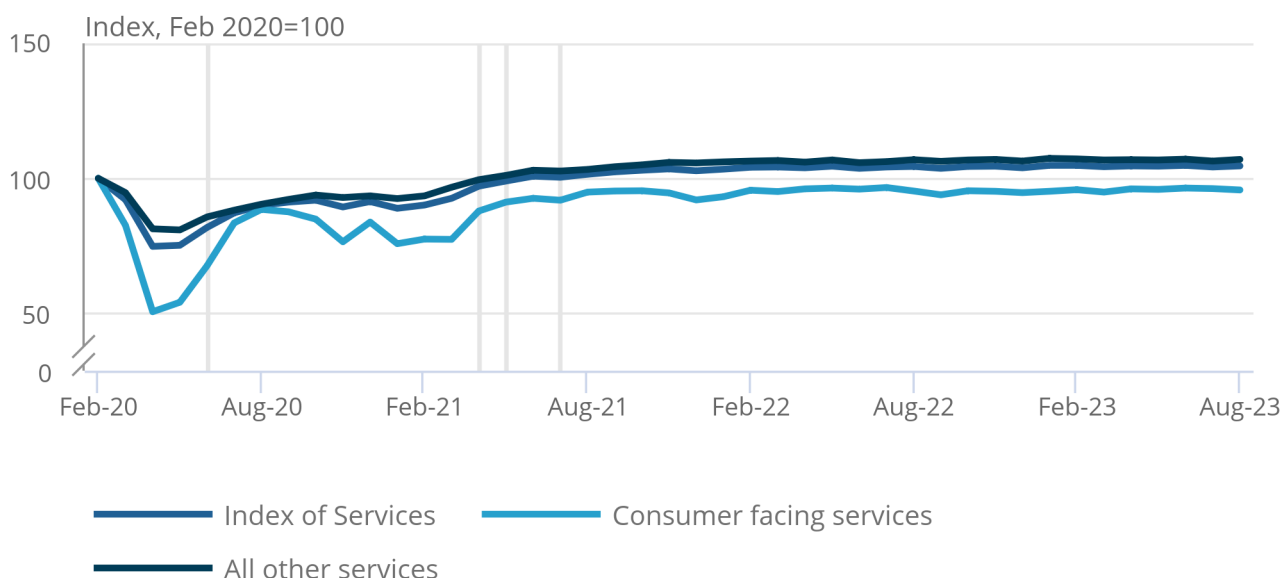
Source: GDP monthly estimate from the Office for National Statistics

Notes:

1. Consumer facing services refer to a subset of industries within the services sector that are predominantly consumed by households, for example retail trade and food and beverage services. A full list of industries included is provided in our measuring the data section.

2. Vertical grey lines represent (from left to right): Hospitality reopening on 1 June 2020, outdoor hospitality reopening on 12 April 2021, indoor hospitality reopening on 17 May 2021, and social distancing restrictions easing on 19 July 2021.

Consumer-facing services were 4.3% below their pre-coronavirus levels (February 2020) in August 2023, with 10 of 13 industries lower than February 2020 (Figure 5). Within consumer-facing services, the largest contributor to this lower level in August 2023, compared with February 2020, was buying and selling, renting and operating of own or leased real estate, excluding imputed rent, where output was 8.9% lower.

Figure 5: 10 of 13 consumer-facing service industries remain below their pre-coronavirus levels (February 2020) in August 2023

Monthly consumer-facing services index, February 2020 to August 2023, UK

Notes:

1. Condensed industry titles are used for presentation purposes, for full titles please see Consumer facing services industry classification in our measuring the data section.

Download the data

.xlsx

More detailed breakdowns on services are available in the Index of Services, UK: August 2023.

4 . The production sector

Production output fell by 0.7% in August 2023, following a fall of 1.1% in July 2023, revised down from a 0.7% fall in our previous publication.

The largest driving sub-sector was manufacturing, which fell by 0.8% in August 2023 (Figure 6). Overall though, production output rose by 1.2% in the three months to August 2023, where manufacturing was the main driver, growing by 1.7%.

Figure 6: Production fell by 0.7% in August 2023

Monthly index, January 2022 to August 2023, UK

Figure 6: Production fell by 0.7% in August 2023

Monthly index, January 2022 to August 2023, UK
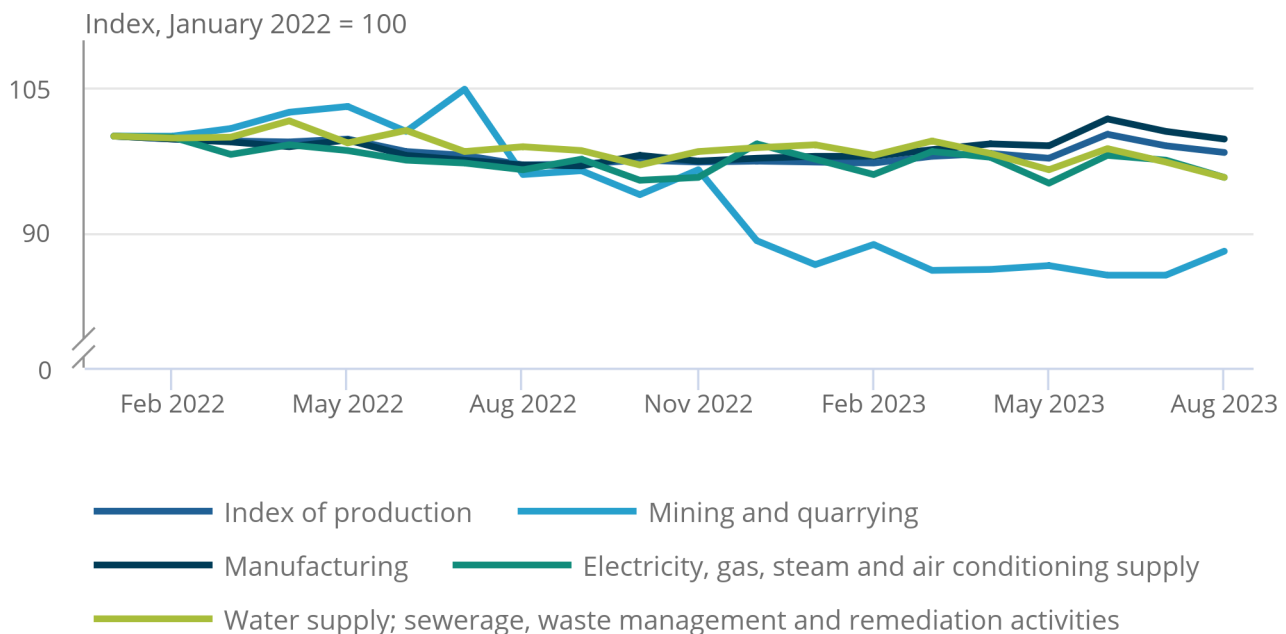
Source: GDP monthly estimate from the Office for National Statistics

Notes:

1. Indexes are rounded to one decimal place.

2. Weights of these sub-sectors are available in the [GDP(O) data sources catalogue](#).

Manufacturing's 0.8% fall was the main contributor to the monthly fall in production, with 9 of its 13 sub-sectors down on the month. This follows a fall of 1.2% in July 2023.

Other manufacturing and repair was the main driving industry within manufacturing, falling by 3.4% in August 2023, followed by manufacture of computer, electronic and optical products, which fell by 3.2% in the month. The largest offsetting positive contribution within manufacturing came from the manufacture of transport equipment, for which output rose by 1.1% in August 2023 (Figure 7).

Mining and quarrying was the only production sub-sector to see increased output in August 2023, growing by 2.9%, driven by growth of 3.5% in the extraction of crude petroleum and natural gas.

Electricity, gas, steam and air conditioning supply fell by 1.8% in August 2023 driven by a 2.1% fall in electric power generation, transmission and distribution.

Water supply and sewerage fell by 1.6% mainly driven by a 4.0% fall in sewerage.

Figure 7: 9 out of 13 Manufacturing sub-sectors contributed negatively to the 0.8% fall in manufacturing output in August 2023

Monthly Manufacturing Subsectors contributions to Manufacturing, August 2023, UK

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Monthly Manufacturing Subsectors contributions to Manufacturing, August 2023, UK
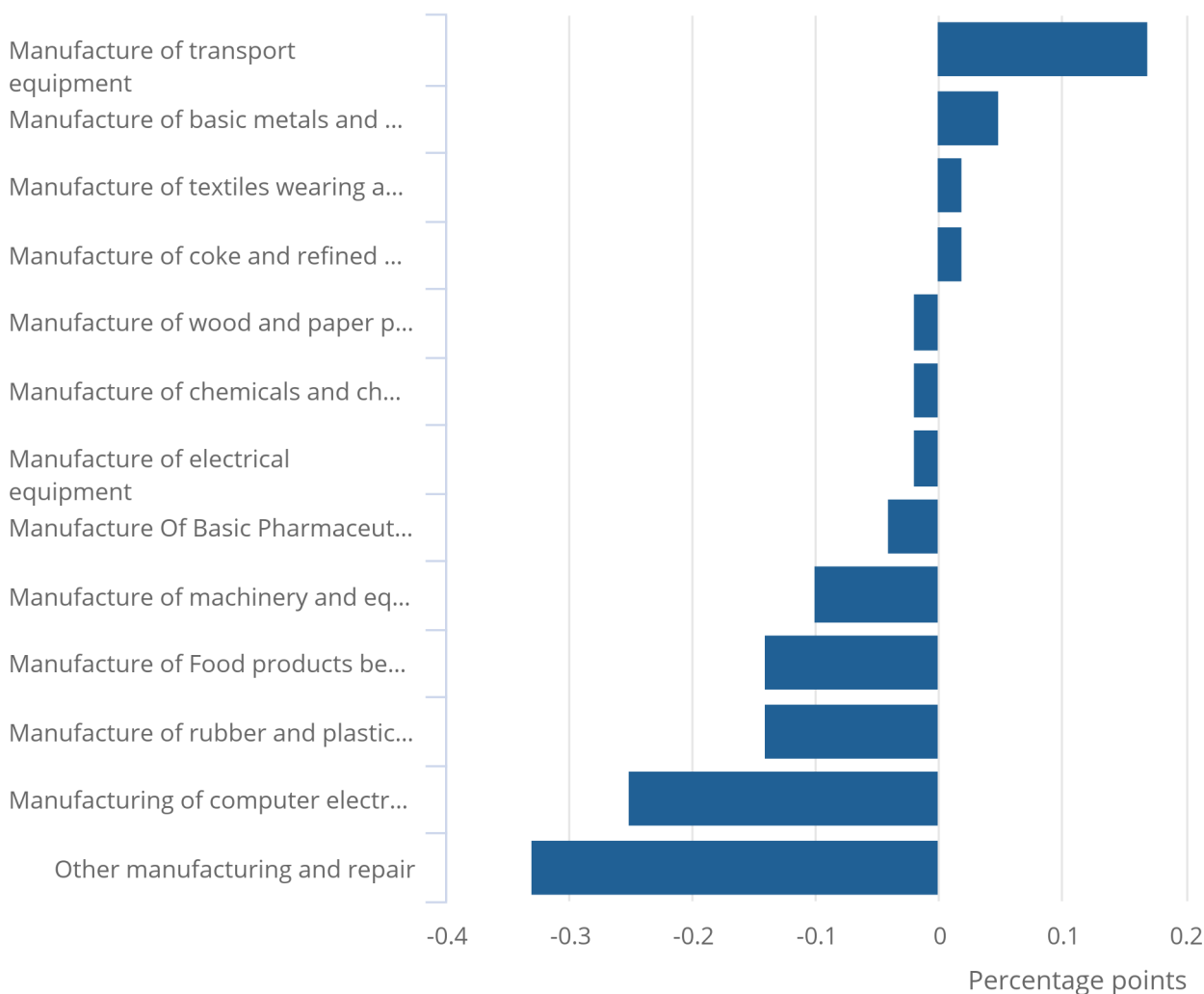
Source: GDP monthly estimate from the Office for National Statistics

Notes:

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

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

5 . The construction sector

Monthly construction output is estimated to have decreased by 0.5% in volume terms in August 2023. This follows a 0.4% decrease in July 2023, revised up from a fall of 0.5% in our previous publication.

In August 2023, as part of our Monthly Business Survey (MBS), some businesses told us that heavy rainfall and lower-than-average temperatures led to delays in planned work. On the three months to August 2023, construction output increased by 0.9% compared with the three months to May 2023.

The decrease in monthly output was driven by a decrease of 1.5% in new work, with repair and maintenance increasing on the month by 1.0% (Figure 8). Five out of the nine sectors saw a decrease on the month, with the main contributors in new work coming from private commercial, and private housing, which decreased by 4.1% and 1.4%, respectively.

Figure 8: The monthly all work construction output index in August 2023 saw a decrease on the month, primarily due to a 1.5% decrease in new work

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

Figure 8: The monthly all work construction output index in August 2023 saw a decrease on the month, primarily due to a 1.5% decrease in new work

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to August 2023
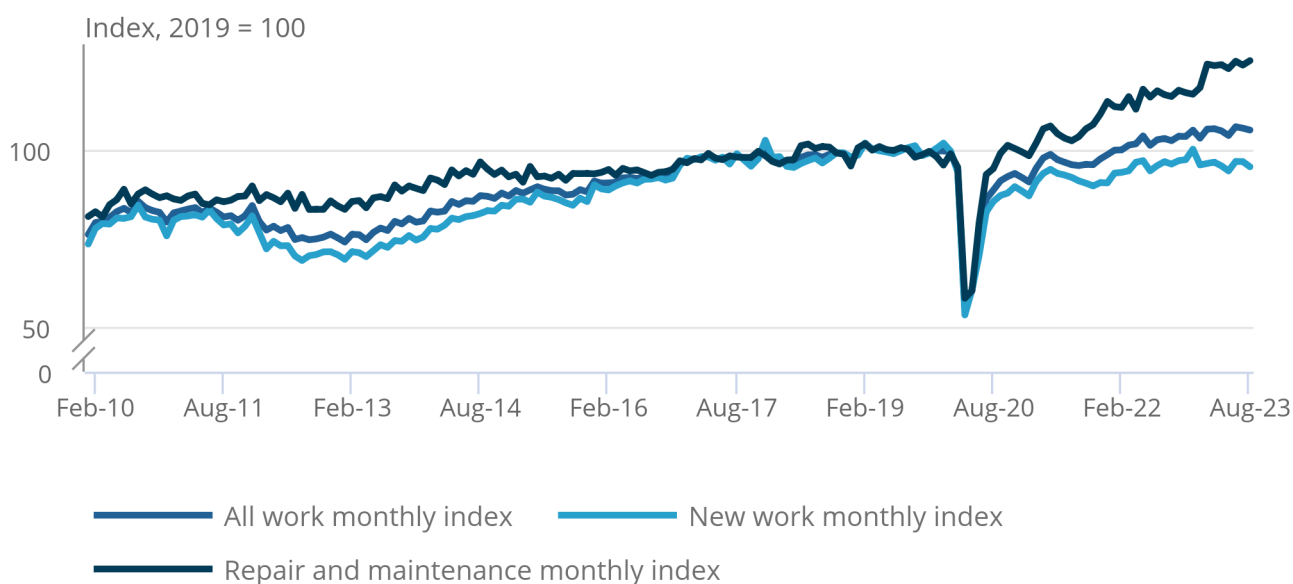
Source: Construction output and employment from the Office for National Statistics

Further detail on construction output growth rates and new orders can be found in our [Construction output in Great Britain: August 2023 bulletin](#).

6 . Cross-industry themes

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

The industrial action in August 2023 had an impact on different industries to varying degrees. The health sector (junior doctors and senior doctors), rail network and some parts of the transport network (bus and airports) all undertook industrial action for parts of August. However, despite the industrial action, not all of these sectors saw a decline on August.

7 . Revisions to gross domestic product

This release gives data for August 2023 for the first time. In line with the National Accounts Revisions Policy it also incorporates revisions to monthly data from January 1997 to June 2023, as published in our Quarterly national accounts bulletin on 29 September 2023.

July 2023 is also open to revision, taking on updated survey data and seasonal adjustment reviews. Table 1 shows the revisions to monthly gross domestic product (GDP) and its sectors for January to July 2023, since the last monthly publication on 13 September 2023.

Table 1: Revisions to month-on-month growth for GDP and its sectors
Percentage points, January to July 2023, UK

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
GDP	0.1	0.0	-0.1	0.0	-0.1	0.2	-0.1
Services	0.0	0.1	-0.1	0.0	-0.1	0.1	-0.1
Production	0.2	0.0	-0.1	0.3	0.1	0.7	-0.4
Construction	-0.3	-0.1	0.3	0.1	-0.9	0.8	0.1

Source: Monthly GDP estimate from Office for National statistics

Notes

1. Revisions are rounded to one decimal place and calculated based on the 1 decimal place indexes.

2. Further information on current and past revisions can be found in our Revision Triangles dataset.

In line with the National Accounts Revisions Policy, this release contains data that are consistent with the UK National Accounts, The Blue Book 2023, which will be released on 31 October 2023. A wide range of improvements to data sources and methods have been made as part of Blue Book 2023. This includes estimating 2021 for the first time using the supply and use tables (SUTs) framework, which looks at the supply of goods and services, how they are used in the economy and their associated prices at a very detailed level. These changes, and their impacts on estimates of GDP, up to 2021, were detailed in our Impact of Blue Book 2023 changes on gross domestic product article.

As noted previously, these revisions for 2020 and 2021 were larger than normal, reflecting the larger movements in GDP and the practical challenges of estimating GDP throughout the coronavirus (COVID-19) pandemic.

The revisions to 2022 onwards are as a result of the Blue Book 2023 methodological changes and improved source data and additional updated data. This also includes new Value Added Tax (VAT) turnover data for Quarter 4 (Oct to Dec) 2022 and Quarter 1 (Jan to Mar) 2023. The specific changes made to monthly GDP methods and data sources are outlined in Section 10: Measuring the data.

Our next monthly GDP release is on 10 November. This release will publish data for September 2023 for the first time and July and August 2023 will be open for revision. On the same date we will also publish the first quarterly estimate for Quarter 3 (July to Sept) 2023, this release will not include any revisions to earlier periods.

8 . Monthly GDP data

Our latest estimates show that the output of COVID-19 related testing, tracing and vaccinations is now less than £10 million for the second consecutive month. Given this is now a small contributor to GDP growth we will be no longer be including this dataset in future releases. COVID-19 related testing, tracing and vaccinations will continue to be included on our estimates of monthly GDP as part of the human health industry.

9 . Glossary

10 . Measuring the data

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

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

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

- [Index of Services, UK: August 2023](#)

In the UK, we produce estimates of monthly and quarterly GDP. However, there are reasons as to why these would not provide the same estimate as to where the economy is relative to its pre-coronavirus (COVID-19) pandemic levels. This primarily reflects that 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).

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

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

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

A number of changes have been made to the methods and data sources used in compiling monthly GDP and output approach to measuring GDP estimates as part of UK National Accounts, The Blue Book 2023.

Deflators

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

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

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

- CPA_J62: Computer programming, consultancy and related services

- CPA_J63: Information services

- CPA_M691: Legal activities

- CPA_M692: Accounting, bookkeeping and auditing services; tax consulting services

- CPA_M70: Services of head offices; management consulting services

- CPA_M71: Architectural and engineering services; technical testing and analysis services

- CPA_M73: Advertising and market research services

- CPA_M74: Other professional, scientific and technical services

- CPA_N82: Office administrative, office support and other business support services

A new methodology to account for changes in the quality of computer hardware has been included within the deflator for product CPA_C26: Computer, electronic and optical products.

The deflator for product CPA_M72: Scientific research and development services has been updated to include a Consumer Price Index (CPI).

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

Non-market and market sector breakdowns

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

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

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

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

The Monthly GDP data sources catalogue provides a full breakdown of the data used in this publication.

Consumer-facing services industry classification

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

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

- Wholesale and retail trade; repair of motor vehicles and motorcycles – Sales and repairs of motor vehicles

- Retail trade, except of motor vehicles and motorcycles – Retail except motor vehicles

- Rail transport

- Accommodation

- Food and beverage service activities – Food and beverage

- Buying and selling, renting and operating of own or leased real estate, excluding imputed rent – Real estate activities

- Veterinary activities

- Travel agency, tour operator and other reservation service and related activities – Travel and tourism activities

- Gambling and betting services

- Sports activities and amusement and recreation activities – Sports, amusement and recreation

- Activities of membership organisations

- Other personal service activities

- Activities of households as employers of domestic personnel – Households as employers of domestic personnel

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

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

Office for Statistics Regulation review of GDP

The Office for Statistics Regulation (OSR) will shortly be completing a review of the practices around the preparation and release of information about revisions to estimates of GDP in our Impact of Blue Book 2023 article released on 1 September. This will cover the following:

- processes and quality assurance in making revisions to GDP

- potential improvements to early estimates of GDP enabled through enhanced access to data

- communication of revisions to GDP, the story behind the most recent set of revisions in particular, and uncertainty in early estimates of GDP

11 . Strengths and limitations

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

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

The latest comparisons of month on same month a year ago should be treated with caution given the impact of [base effects](#) on growth rates because of the economic impact of the coronavirus (COVID-19) pandemic throughout 2020 and 2021. Such comparisons and growth rates can be found in our [accompanying dataset](#).

12 . Related links

[Construction output in Great Britain: August 2023](#)
Bulletin | Released 12 October 2023
Short-term measures of output by the construction industry, contracts awarded for new construction work in Great Britain.

[Index of Production, UK: August 2023](#)
Bulletin | Released 12 October 2023
Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.

[Index of Services, UK: August 2023](#)
Bulletin | Released 12 October 2023
Monthly movements in output for the services industries.

[GDP quarterly national accounts, UK: April to June 2023](#)
Bulletin | Released 29 September 2023
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.

[Impact of Blue Book 2023 article](#)
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.

[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 12 October 2023, ONS website, statistical bulletin, [GDP monthly estimate, UK: August 2023](#)

GVA1

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

seasonally adjusted 2019=100

Industry sections (SIC2007)

	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction [6]	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	**1000**	**7**	**136**	**11**	**98**	**15**	**12**	**62**	**794**	**102**	**41**	**30**	**63**	**82**	**131**	**75**	**52**	**49**	**58**	**77**	**15**	**17**	**2**
	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L2OC	L2OI	L2OX	L2P8	L2PA	L2PC	L2PJ	L2PP	L2PT
2018	98.3	85.6	98.3	98.2	99.5	89.0	99.8	99.4	98.3	100.6	97.2	98.4	91.7	102.7	98.2	97.7	98.5	96.2	94.7	101.4	96.5	100.5	94.0
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	90.0	90.7	102.3	100.1	102.2	105.0	101.6	87.4	88.1	84.4	68.4	62.2	106.0	98.4	99.5	96.0	84.8	79.6	70.0	71.2	82.7	77.9	
2021	97.6	84.6	98.3	76.7	103.8	71.3	106.0	96.0	97.7	100.4	74.7	81.6	114.6	103.8	101.1	105.4	91.7	96.8	90.5	94.5	82.8	90.9	74.4
2022	101.9	85.8	94.9	76.1	100.4	63.1	106.2	102.2	103.3	101.0	85.2	101.5	122.3	104.9	101.7	111.1	97.8	100.3	100.7	104.9	96.9	99.0	71.9
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2021 Aug	99.8	85.9	97.0	85.0	102.5	62.2	106.0	95.1	100.7	104.3	77.1	107.4	116.5	102.6	101.0	106.6	92.7	98.1	95.0	101.7	89.8	90.5	62.3
Sep	100.4	85.7	95.9	80.2	102.1	60.0	104.2	95.7	101.6	104.6	78.6	107.2	114.9	103.9	101.1	107.5	94.0	98.2	95.8	105.6	90.5	95.3	66.2
Oct	100.7	86.7	95.1	77.3	101.2	58.5	106.9	95.6	102.2	105.1	80.2	98.7	117.3	105.4	101.3	103.6	95.5	97.4	96.1	111.2	91.1	100.1	73.4
Nov	101.4	85.8	96.6	73.9	103.2	61.3	106.5	97.3	102.7	104.3	81.6	95.0	117.7	106.4	101.2	106.5	95.7	98.3	95.7	114.1	92.2	98.9	81.1
Dec	100.9	84.9	96.8	73.3	103.2	63.3	106.3	98.3	102.0	102.1	82.0	84.2	116.9	106.4	101.2	107.0	94.5	98.6	95.9	114.5	92.2	94.5	85.5
2022 Jan	101.4	85.0	96.4	77.2	102.1	64.4	107.0	99.6	102.6	103.5	83.7	90.4	121.1	105.3	101.2	106.9	94.4	99.2	99.9	109.7	92.0	96.5	82.9
Feb	102.0	85.6	96.2	77.1	101.8	64.4	106.8	99.7	103.3	102.3	84.1	102.2	122.6	105.0	101.4	107.6	95.8	99.7	100.3	110.4	93.5	95.6	76.3
Mar	102.1	85.9	95.9	77.8	101.6	63.2	106.9	101.0	103.4	101.3	84.7	103.1	120.7	104.9	101.5	108.9	96.7	99.8	100.0	111.0	97.4	97.0	71.5
Apr	101.9	85.9	95.9	79.1	101.0	63.9	108.8	101.4	103.1	102.3	83.6	103.9	121.6	104.8	101.8	109.3	97.2	99.6	100.8	104.8	98.2	95.6	73.0
May	102.6	86.1	96.2	79.6	101.7	63.4	106.2	103.6	103.7	101.0	84.6	104.7	122.7	105.2	101.9	112.4	98.8	99.4	101.3	105.9	96.8	98.2	74.5
Jun	101.6	86.2	94.9	77.5	100.1	62.8	107.6	101.0	102.9	100.0	84.0	105.3	121.6	105.4	101.8	111.4	96.9	99.7	101.1	101.1	98.7	98.1	77.4
Jul	102.0	86.3	94.5	80.9	99.5	62.6	105.3	102.6	103.4	100.5	86.7	103.8	122.0	105.8	101.9	111.7	97.7	100.4	101.5	101.7	98.6	101.0	72.9
Aug	102.1	86.2	93.6	74.0	99.0	62.1	105.8	102.9	103.6	100.9	87.4	101.1	123.4	105.4	101.9	113.0	98.6	101.0	101.2	102.3	95.7	100.0	69.2
Sep	101.5	85.7	93.7	74.4	99.0	62.8	105.4	102.3	102.9	98.8	88.8	100.1	121.0	104.1	101.8	112.2	97.5	101.3	100.9	103.0	95.7	101.2	67.2
Oct	102.1	85.7	94.0	72.5	100.1	61.5	103.7	103.5	103.6	100.7	87.6	100.5	122.0	103.8	102.0	113.4	99.1	101.3	101.0	103.2	100.4	101.4	66.9
Nov	102.2	85.5	93.9	74.5	99.5	61.6	105.3	103.5	103.7	100.4	85.7	101.6	124.0	104.1	101.6	113.0	100.3	101.2	101.1	103.8	98.9	101.8	66.6
Dec	101.9	85.5	93.9	68.8	99.7	63.9	105.7	105.3	103.1	99.7	82.8	101.0	124.6	104.6	101.4	113.2	100.9	101.1	99.6	101.4	96.2	101.8	64.6
2023 Jan	102.4	85.5	93.9	66.8	100.0	62.9	106.1	103.0	104.0	100.7	85.7	102.1	126.0	105.3	101.5	111.8	102.2	101.0	101.9	102.8	98.9	103.4	65.5
Feb	102.6	85.6	93.8	68.4	100.0	61.9	104.9	105.6	104.0	100.3	84.9	102.2	125.9	105.5	101.4	112.1	103.1	100.2	100.9	103.3	100.6	105.7	66.3
Mar	102.3	85.6	94.5	66.4	100.7	63.4	106.4	105.7	103.5	98.9	83.7	101.5	123.9	105.3	101.6	115.5	102.0	100.3	101.7	102.9	102.1	104.5	67.8
Apr	102.5	85.6	94.7	66.4	101.3	63.0	105.1	105.1	103.8	99.8	83.8	104.2	125.7	104.9	101.4	111.1	103.3	100.4	101.6	102.2	102.3	104.7	67.9
May	102.3	85.6	94.2	66.7	101.1	61.2	103.3	103.8	103.7	99.5	83.5	103.1	126.0	104.3	101.3	110.3	102.6	100.5	101.7	103.5	104.9	104.0	67.8
Jun	103.0	85.6	96.6	66.0	103.9	63.1	105.6	106.2	104.0	100.1	83.8	104.8	127.3	104.2	101.2	109.6	103.8	100.8	102.3	104.1	103.9	104.7	67.1
Jul	102.4	85.7	95.5	66.0	102.6	62.8	104.1	105.8	103.4	99.6	82.2	103.9	124.8	104.4	100.8	110.1	102.7	101.1	100.6	101.7	110.9	105.3	67.1
Aug	102.5	85.8	94.8	67.9	101.8	61.6	102.4	105.3	103.8	100.2	82.9	104.0	126.0	104.8	101.1	111.4	103.3	101.1	102.2	102.2	102.7	102.2	67.9

Percentage change, latest year on previous year

	GDPQ	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3E4	L3E8	L3EG	L3EJ	L3EU	L3F2	L3F8	L3FN	L3FW	L3FY	L3G2	L3G9	L3GF	L3GJ
2018	1.3	-10.2	3.1	7.0	4.3	-5.3	1.2	-1.8	1.3	-1.2	2.5	-1.4	10.6	-1.8	2.2	0.1	0.1	3.9	3.9	-0.4	-0.1	3.3	8.5
2019	1.8	16.8	1.7	1.8	0.5	12.4	0.2	0.6	1.8	-0.6	2.8	1.6	9.1	-2.7	1.8	2.4	1.5	3.9	5.6	-1.4	3.7	-0.5	6.4
2020	-10.0	-9.3	2.3	0.1	2.2	5.0	1.6	-12.6	-11.9	-15.6	-31.6	-37.8	6.0	-1.6	-0.5	-4.0	-15.2	-5.2	-20.4	-30.0	-28.8	-17.3	-22.1
2021	8.4	-6.8	-3.9	-23.4	1.6	-32.1	4.4	9.8	10.9	18.9	9.2	31.3	8.1	5.4	1.6	9.8	8.2	2.0	13.7	35.0	16.3	9.9	-4.5
2022	4.4	1.5	-3.5	-0.7	-3.3	-11.6	0.2	6.5	5.6	0.6	14.0	24.3	6.7	1.0	0.6	5.4	6.7	3.7	11.3	11.0	16.9	9.0	-3.4

Percentage change, latest 3 months on previous 3 months

	ED3H	ED3I	ED3J	ED3K	ED3L	ED3M	ED3N	ED3O	ED3P	ED3Q	ED3R	ED3S	ED3T	ED3U	ED3V	ED3W	ED3X	ED3Y	ED3Z	ED42	ED43	ED44	ED9R
2021 Aug	3.4	2.9	-2.7	-1.7	-1.7	-16.3	1.0	-1.3	4.8	3.9	5.8	52.5	2.1	-0.8	0.0	1.8	2.5	2.1	9.5	16.5	12.7	-5.1	3.4
Sep	1.5	2.1	-2.4	15.4	-2.1	-18.4	-0.3	-1.9	2.5	0.1	4.8	25.3	0.6	-0.4	-0.3	0.5	2.0	1.0	1.7	12.2	10.8	-1.6	-16.7
Oct	1.4	1.7	-2.1	17.2	-2.2	-16.0	-0.8	-1.4	2.2	0.1	5.6	11.6	0.5	1.0	0.1	-0.9	2.1	0.2	-0.8	12.0	9.5	11.0	-16.2
Nov	1.5	0.8	-1.4	4.9	-1.2	-9.7	-0.8	0.2	2.1	0.1	5.6	0.4	0.5	2.5	0.2	-1.5	2.6	0.0	-0.4	12.0	7.1	13.0	-0.4
Dec	1.3	0.3	-0.5	-5.3	-0.1	-2.2	0.8	1.5	1.6	-0.5	5.5	-10.5	1.2	3.1	0.3	-1.1	2.2	0.0	0.3	11.4	4.2	8.0	19.5
2022 Jan	1.0	-1.0	0.6	-7.5	0.9	4.6	0.9	3.1	0.9	-1.3	4.9	-13.9	2.0	2.0	0.1	0.8	0.8	0.8	1.6	6.2	1.9	1.4	23.6
Feb	0.6	-1.0	0.6	-1.7	0.2	6.9	0.8	3.1	0.4	-1.9	3.9	-8.0	3.1	0.3	0.1	1.2	-0.2	1.2	3.0	1.1	1.5	-2.6	10.9
Mar	0.8	-0.4	0.0	3.4	-0.7	4.9	0.3	3.1	0.8	-1.4	3.6	6.4	3.6	-0.9	0.1	2.0	0.4	1.5	4.3	-2.6	2.7	-1.5	-3.9
Apr	0.7	0.6	-0.6	4.3	-1.4	1.3	0.8	2.3	0.8	-1.3	2.1	14.7	2.6	-1.1	0.3	1.7	1.8	1.0	3.3	-3.6	4.6	-0.6	-11.5
May	0.7	0.9	-0.5	3.9	-0.9	-0.8	0.6	2.8	0.8	-1.0	1.3	12.6	1.2	-0.6	0.4	2.8	2.8	0.4	2.0	-3.8	5.3	1.5	-10.5
Jun	0.2	0.7	-0.6	1.8	-0.9	-1.0	0.6	1.9	0.2	-1.2	-0.1	6.2	0.4	0.1	0.5	3.0	2.1	0.0	1.0	-5.8	3.8	1.0	-2.5
Jul	0.1	0.5	-0.9	1.7	-1.0	-1.4	-1.0	1.7	0.1	-1.4	1.1	1.5	0.4	0.6	0.3	3.0	1.3	0.2	0.9	-5.4	1.7	3.2	1.8
Aug	-0.3	0.3	-1.7	-1.7	-1.9	-1.5	-1.0	0.1	-0.1	-1.1	2.0	-0.5	0.5	0.6	0.2	1.6	0.2	0.8	0.6	-5.2	0.2	2.8	0.2
Sep	-0.2	-0.2	-1.8	-2.9	-1.7	-1.3	-1.9	0.6	0.0	-1.0	3.7	-2.8	0.1	0.0	0.0	1.1	0.3	1.3	0.1	-1.6	-1.2	3.5	-6.9
Oct	-0.2	-0.4	-1.5	-7.2	-1.1	-1.3	-1.3	0.5	0.0	-0.4	2.8	-3.9	0.0	-1.0	0.0	0.9	0.6	1.3	-0.3	0.0	-0.8	1.7	-9.6
Nov	0.1	-0.7	-0.5	-4.8	0.0	-0.9	-1.4	0.9	0.1	-0.5	1.0	-2.6	0.0	-1.5	-0.1	0.8	1.3	0.9	-0.2	1.6	0.7	1.8	-8.5
Dec	0.2	-0.6	0.0	-5.9	0.6	-0.3	-0.6	1.5	0.2	0.2	-2.1	-0.6	1.1	-0.9	-0.2	0.8	2.2	0.3	-0.6	0.5	1.9	0.9	-5.3
2023 Jan	0.3	0.1	0.1	-4.9	0.4	1.0	0.7	1.0	0.2	0.1	-3.1	0.9	2.3	0.2	-0.4	-0.2	2.8	-0.1	-0.2	-0.2	0.8	1.4	-3.2
Feb	0.4	-0.1	0.0	-7.8	0.4	1.4	0.7	1.5	0.3	0.3	-2.8	1.0	2.6	1.1	-0.3	-0.5	3.1	-0.5	-0.2	-0.8	0.2	2.1	-2.2
Mar	0.3	0.0	0.1	-6.6	0.5	0.6	0.8	0.6	0.3	-0.4	-0.6	0.9	1.4	1.2	-0.2	-1.3	2.3	-0.7	0.9	0.2	2.1	2.8	0.7
Apr	0.3	0.1	0.5	-4.2	0.9	-0.1	-0.2	1.5	0.1	-0.6	-0.7	1.1	0.2	0.6	0.0	-1.0	1.6	-0.8	0.5	0.1	3.7	2.6	2.7
May	0.0	0.1	0.6	-2.2	1.1	-0.5	-0.6	0.2	-0.1	-0.9	-0.9	1.2	-0.2	-0.3	0.0	-1.2	0.6	-0.4	0.9	0.4	4.6	0.8	3.6
Jun	0.2	0.0	1.2	-1.2	1.9	-0.4	-1.1	0.3	0.0	-0.2	-1.3	2.1	0.9	-0.8	-0.2	-1.3	0.8	0.1	0.4	0.2	3.2	0.0	1.7
Jul	0.1	0.0	1.2	-1.3	1.9	-0.6	-1.1	-0.2	-0.1	0.0	-1.1	1.3	0.7	-0.9	-0.4	-1.4	0.3	0.5	0.1	0.3	4.8	-0.3	-0.0
Aug	0.3	0.1	1.2	0.2	1.7	0.2	-0.9	0.9	0.1	0.6	-0.8	1.2	0.6	-0.3	-0.4	-0.5	0.7	0.6	0.0	-0.2	2.7	-0.3	-0.7

1 The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.
6. The construction growth rates calculated from this release may have small differences to those in Construction Output in Great Britain releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

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

GVA2 Monthly GDP based on GVA (Gross Value Added) [1]
Chained volume indices of gross value added at basic prices [2,3,4,5]

seasonally adjusted 2019=100

Industry sections (SIC2007)

	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction [6]	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2

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

	ED9T	ED9U	ED9V	ED9W	EDGQ	EDGR	EDGS	EDGT	EDGU	EDGV	EDGW	EDGX	EDGY	EDGZ	EDHA	EDHB	EDHC	EDHD	EDHE	EDHF	EDHG	EDHH	EDHI
2021 Aug	12.7	-4.3	-6.6	-29.7	-0.3	-38.7	4.8	12.5	16.9	19.7	20.6	63.6	9.4	5.9	2.1	14.6	13.4	3.8	36.9	63.3	36.8	7.6	3.4
Sep	9.1	-4.4	-9.3	-21.0	-4.9	-41.2	3.6	5.1	13.4	16.4	15.2	27.8	7.8	5.4	1.9	11.8	12.2	4.6	16.7	61.3	29.4	2.7	-19.5
Oct	8.1	-3.6	-10.6	-15.8	-7.1	-41.5	2.5	2.6	12.4	15.2	15.4	24.6	6.9	5.3	1.9	8.1	10.9	4.7	6.9	63.6	26.6	14.9	-22.2
Nov	8.7	-2.4	-10.8	-16.4	-7.7	-40.3	2.6	2.0	13.4	16.1	15.7	51.5	6.7	5.2	1.9	7.0	11.4	5.0	5.0	67.0	25.8	21.2	-11.8
Dec	9.0	-0.7	-10.1	-18.7	-6.9	-37.7	1.7	3.2	13.4	14.9	15.7	69.1	7.3	4.4	1.8	5.6	9.7	5.3	8.8	70.1	23.9	8.7	-1.1
2022 Jan	10.5	0.3	-8.3	-17.3	-5.2	-33.4	1.4	5.9	14.8	17.9	20.0	91.0	8.4	3.4	1.3	7.2	9.6	5.9	18.2	67.7	26.0	5.8	4.2
Feb	10.9	1.6	-6.6	-13.8	-3.9	-29.3	0.7	7.2	14.7	16.7	22.9	86.4	10.1	2.5	0.7	6.2	9.4	6.2	27.7	62.4	24.5	2.9	5.2
Mar	11.1	2.9	-5.3	-8.3	-3.4	-25.2	1.0	6.9	14.7	14.9	25.3	106.5	10.4	2.1	0.3	5.0	9.9	6.3	30.6	52.5	31.5	16.2	9.3
Apr	8.7	3.9	-4.6	-0.2	-3.7	-21.9	1.5	5.0	11.6	6.7	20.5	96.4	9.1	1.6	0.5	3.7	8.9	5.3	24.1	39.6	33.0	6.6	8.2
May	6.3	3.6	-4.0	5.4	-3.6	-19.8	1.5	4.9	8.3	0.9	17.6	58.6	7.0	1.4	0.7	4.5	7.9	3.8	14.6	26.9	29.0	6.0	2.2
Jun	3.9	2.8	-3.4	14.9	-3.7	-17.1	1.4	4.6	5.1	-3.0	14.5	26.7	5.8	1.7	0.6	4.4	6.8	2.5	7.5	14.7	23.1	5.7	-6.7
Jul	3.2	1.8	-2.9	15.0	-3.6	-12.2	-0.2	5.7	4.1	-3.8	14.4	11.8	5.6	2.5	0.8	4.7	6.2	2.2	5.1	8.6	18.6	15.5	-6.7
Aug	2.5	1.0	-3.0	5.4	-3.7	-5.8	-0.5	6.4	3.2	-3.9	13.4	3.5	5.4	2.8	0.8	4.3	5.5	2.5	5.2	3.3	14.7	14.9	-1.0
Sep	2.2	0.6	-2.8	-3.3	-3.3	0.2	-0.2	7.2	2.6	-4.1	13.2	-1.8	5.4	2.1	0.9	5.0	5.1	2.8	5.9	0.7	9.7	11.2	4.2
Oct	1.6	-0.3	-2.4	-8.9	-2.5	3.2	-0.7	7.8	1.8	-4.3	11.3	-3.7	5.0	0.4	0.8	6.6	4.6	3.3	5.6	-3.1	7.6	5.9	0.7
Nov	1.1	-0.5	-2.1	-4.4	-2.6	3.4	-1.0	7.2	1.2	-4.5	8.4	0.5	4.9	-1.2	0.6	6.6	4.1	3.3	5.4	-6.3	7.8	3.5	-9.0
Dec	1.0	-0.3	-2.3	-3.9	-2.7	2.1	-1.6	7.2	1.1	-3.4	5.0	9.1	5.3	-1.8	0.4	7.1	5.1	3.1	4.9	-9.2	7.3	3.9	-17.5
2023 Jan	0.9	0.3	-2.8	-6.4	-3.0	-0.3	-0.9	5.6	1.1	-2.9	2.8	13.0	5.3	-1.3	0.3	5.5	6.6	2.4	3.8	-8.9	6.4	5.9	-21.2
Feb	0.8	0.4	-2.7	-10.4	-2.4	-1.8	-1.1	5.4	1.1	-2.3	1.4	10.3	4.4	-0.4	0.2	4.8	7.5	1.6	2.1	-8.1	6.5	8.5	-19.7
Mar	0.6	0.1	-2.2	-13.1	-1.5	-2.0	-1.0	4.6	0.7	-2.4	0.7	3.4	3.1	0.3	0.1	3.7	7.1	0.9	1.4	-6.6	6.6	8.5	-13.5
Apr	0.4	-0.3	-1.8	-14.0	-0.7	-1.7	-1.9	4.7	0.5	-2.3	0.0	-0.4	2.9	0.3	-0.1	2.7	6.4	0.6	1.0	-5.4	5.5	9.3	-8.5
May	0.1	-0.5	-1.6	-15.6	-0.4	-1.5	-2.2	2.8	0.2	-2.1	-0.8	-0.9	2.9	-0.1	-0.3	0.7	5.2	0.8	1.0	-4.1	5.8	7.7	-7.1
Jun	0.6	-0.6	-0.5	-15.7	1.2	-1.5	-2.7	3.0	0.6	-1.3	-0.5	-0.6	3.6	-0.6	-0.5	-0.7	5.7	1.0	0.8	-0.6	5.9	7.4	-9.8
Jul	0.5	-0.7	0.3	-16.5	2.1	-0.9	-1.9	2.8	0.3	-0.8	-2.2	-0.7	3.2	-1.1	-0.8	-1.6	5.3	0.9	0.2	0.2	8.7	5.6	-10.1
Aug	0.7	-0.6	1.4	-14.0	3.3	0.0	-2.1	3.6	0.4	-0.5	-3.5	0.8	3.0	-1.0	-0.8	-1.5	5.7	0.6	0.4	0.9	8.4	4.4	-7.9

Percentage change, latest month on previous month

	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2021 Aug	0.9	1.1	0.1	18.4	-0.6	-4.3	-0.9	-1.0	1.2	0.2	2.2	12.1	0.2	0.3	0.3	-0.1	-0.1	0.1	-0.8	4.1	6.7	5.1	-13.9
Sep	0.6	-0.2	-1.1	-5.6	-0.4	-3.6	-1.7	0.7	0.9	0.2	1.9	-0.2	-1.4	1.3	0.1	0.9	1.4	0.1	0.8	3.9	0.7	5.3	6.3
Oct	0.3	1.1	-0.8	-3.7	-0.8	-2.5	2.6	-0.2	0.6	0.5	2.1	-8.0	2.1	1.5	0.2	-3.6	1.6	-0.8	0.3	5.3	0.7	5.0	10.9
Nov	0.7	-1.0	1.5	-4.4	1.9	4.7	-0.4	1.8	0.5	-0.7	1.8	-3.7	0.3	1.0	-0.1	2.7	0.2	0.9	-0.4	2.5	1.2	-1.2	10.5
Dec	-0.5	-1.0	0.2	-0.8	0.0	3.3	-0.2	1.1	-0.7	-2.2	0.5	-11.4	-0.6	0.0	0.0	0.5	-1.2	0.3	0.3	0.4	0.0	-4.4	5.4
2022 Jan	0.5	0.1	-0.3	5.3	-1.1	1.8	0.6	1.3	0.6	1.4	2.1	7.4	3.6	-1.0	0.0	-0.1	-0.1	0.6	4.1	-4.2	-0.2	2.0	-3.1
Feb	0.5	0.6	-0.3	0.0	-0.3	-0.1	-0.2	0.1	0.7	-1.2	0.5	13.0	1.2	-0.3	0.2	0.7	1.4	0.5	0.4	0.6	1.6	-0.9	-7.9
Mar	0.1	0.4	-0.3	0.8	-0.2	-1.8	0.1	1.4	0.1	-0.9	0.7	0.9	-1.5	-0.1	0.1	1.1	1.0	0.0	-0.3	0.6	4.2	1.5	-6.3
Apr	-0.2	0.1	-0.1	1.6	-0.6	1.0	1.8	0.3	-0.3	1.0	-1.3	0.8	0.7	-0.1	0.3	0.4	0.5	-0.2	0.8	-5.5	0.8	-1.5	2.0
May	0.7	0.2	0.3	0.6	0.7	-0.6	-2.3	2.2	0.6	-1.3	1.2	0.8	1.0	0.4	0.2	2.8	1.7	-0.1	0.5	1.0	-1.5	2.8	2.1
Jun	-1.0	0.1	-1.3	-2.5	-1.6	-1.0	1.3	-2.5	-0.8	-1.0	-0.7	0.6	-0.9	0.3	-0.1	-0.9	-2.0	0.3	-0.2	-4.5	2.0	-0.1	3.9
Jul	0.4	0.2	-0.4	4.3	-0.5	-0.3	-2.2	1.6	0.5	0.5	3.2	-1.4	0.4	0.4	0.1	0.3	0.9	0.6	0.4	0.5	-0.1	3.0	-5.8
Aug	0.1	-0.2	-1.0	-8.5	-0.5	-0.7	0.5	0.3	0.2	0.4	0.9	-2.7	1.1	-0.4	0.0	1.2	0.8	0.6	-0.3	0.7	-3.0	-1.1	-5.1
Sep	-0.6	-0.5	0.1	0.4	0.0	1.1	-0.4	-0.6	-0.7	-2.1	0.0	-0.9	-2.0	-1.2	-0.2	-0.7	-1.1	0.3	-0.3	0.6	0.0	1.3	-2.9
Oct	0.7	0.0	0.4	-2.5	1.1	-2.2	-1.6	1.2	0.7	2.0	0.2	0.4	0.8	-0.3	0.3	1.1	1.6	0.0	0.1	0.2	4.9	0.2	-0.5
Nov	0.1	-0.2	-0.1	2.7	-0.6	0.2	1.5	0.0	0.1	-0.3	-2.2	1.0	1.7	0.3	-0.5	-0.4	1.3	-0.1	0.1	0.6	-1.5	0.4	-0.4
Dec	-0.3	0.0	0.0	-7.7	0.3	3.7	0.4	1.7	-0.5	-0.7	-3.4	-0.6	0.5	0.5	-0.1	0.1	0.5	-0.2	-1.5	-2.3	-2.8	-0.1	-3.1
2023 Jan	0.5	-0.1	0.0	-2.9	0.3	-1.5	0.4	-2.1	0.8	0.9	3.6	1.1	1.1	0.6	0.0	-1.2	1.3	0.0	2.3	1.4	2.9	1.6	1.4
Feb	0.1	0.1	-0.1	2.4	0.0	-1.6	-1.1	2.5	0.0	-0.3	-1.0	0.2	-0.1	0.2	-0.1	0.2	0.9	-0.8	-1.0	0.4	1.7	2.3	1.2
Mar	-0.3	0.0	0.7	-3.0	0.7	2.5	1.5	0.1	-0.5	-1.5	-1.4	-0.7	-1.6	-0.2	0.2	-0.5	-1.1	0.1	0.8	-0.4	1.4	-1.2	2.2
Apr	0.2	0.0	0.3	0.0	0.6	-0.6	-1.2	-0.6	0.3	1.0	0.1	2.7	1.5	-0.3	-0.2	-0.4	1.3	0.1	-0.1	-0.7	0.3	0.2	0.3
May	-0.2	0.0	-0.5	0.4	-0.2	-2.8	-1.7	-1.2	-0.1	-0.4	-0.3	-1.0	0.2	-0.6	-0.1	-0.7	-0.7	0.1	0.1	1.3	2.5	-0.7	-0.2
Jun	0.7	0.0	2.5	-1.1	2.7	3.1	2.2	2.4	0.3	0.6	0.3	1.6	1.0	-0.1	-0.2	-0.6	1.2	0.3	0.6	0.5	-1.0	0.7	-1.0
Jul	-0.6	0.1	-1.1	0.0	-1.2	-0.5	-1.4	-0.4	-0.6	-0.5	-1.7	-0.8	-1.9	0.2	-0.3	0.5	-1.1	0.4	-1.7	-2.3	6.8	0.6	-0.1
Aug	0.2	0.1	-0.7	2.9	-0.8	-1.8	-1.6	-0.5	0.4	0.6	0.6	0.1	0.9	0.4	0.2	1.2	0.6	0.0	1.6	0.5	-7.4	-2.9	1.2

1 The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.

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

GVA3 Monthly GDP based on GVA (Gross Value Added) [1]
Chained volume indices of gross value added at basic prices [2,3,4,5]

seasonally adjusted 2019=100

Industry sections (SIC2007)

	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction [6]	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2

Percentage change, latest month on same month a year ago

	ED2R	ED2S	ED2T	ED2U	ED2V	ED2W	ED2X	ED2Y	ED2Z	ED32	ED33	ED34	ED35	ED36	ED37	ED38	ED39	ED3A	ED3B	ED3C	ED3D	ED3E	ED3F
2021 Aug	8.7	-4.1	-9.5	-15.1	-5.6	-41.2	2.2	4.6	12.9	16.3	15.8	13.2	8.7	5.5	1.9	11.7	10.8	4.6	13.2	61.3	36.5	5.9	-28.8
Sep	7.9	-4.8	-10.8	-14.8	-7.5	-41.7	2.3	2.1	12.3	15.5	14.4	26.4	6.2	4.9	1.8	9.9	11.4	4.9	5.4	62.0	24.2	13.2	-26.1
Oct	7.6	-1.8	-11.4	-17.5	-8.3	-41.7	3.0	1.2	12.1	14.0	16.0	37.4	5.9	5.4	1.9	3.0	10.5	4.5	2.6	67.3	20.5	26.5	-11.1
Nov	10.7	-0.5	-10.2	-17.0	-7.5	-37.4	2.7	2.7	15.8	19.0	16.7	126.3	7.8	5.3	1.9	8.1	12.2	5.7	7.1	71.7	33.2	24.5	3.8
Dec	8.6	0.1	-8.6	-21.6	-5.0	-33.7	-0.4	5.7	12.4	11.8	14.5	66.6	8.0	2.4	1.6	5.7	6.4	5.8	17.6	71.3	18.9	-15.2	4.4
2022 Jan	12.3	1.2	-5.8	-13.1	-3.1	-28.9	1.8	9.3	16.3	23.4	29.7	86.0	9.4	2.7	0.3	7.9	10.3	6.3	31.7	60.4	26.6	15.9	4.3
Feb	11.7	3.6	-5.2	-5.5	-3.5	-24.8	0.8	6.5	15.5	15.3	25.2	107.1	12.8	2.3	0.3	5.0	11.5	6.4	34.6	55.9	28.3	14.2	7.0
Mar	9.4	3.8	-5.0	-5.8	-3.7	-21.3	0.6	5.1	12.5	7.1	21.4	128.1	9.0	1.4	0.5	2.3	8.0	6.1	25.9	42.6	40.0	18.7	18.7
Apr	5.3	4.5	-3.7	12.4	-3.9	-19.2	3.1	3.4	7.0	-1.1	15.2	65.2	5.6	1.1	0.7	3.9	7.3	3.5	13.7	23.2	31.0	-8.9	0.7
May	4.4	2.7	-3.3	11.3	-3.1	-19.0	0.8	6.2	5.6	-2.9	16.4	18.4	6.5	1.8	0.8	7.2	8.4	2.1	5.9	16.9	17.8	12.0	-8.7
Jun	2.2	1.2	-3.1	21.7	-4.1	-12.6	0.3	4.3	2.9	-5.0	11.8	9.2	5.4	2.3	0.4	2.1	4.8	2.0	3.4	5.2	21.0	17.4	-11.0
Jul	3.1	1.7	-2.4	12.6	-3.5	-3.6	-1.6	6.7	3.8	-3.5	15.0	8.3	4.9	3.5	1.2	4.7	5.3	2.4	5.9	4.2	17.1	17.4	0.7
Aug	2.3	0.3	-3.5	-12.9	-3.4	-0.1	-0.2	8.2	2.8	-3.3	13.4	-5.9	5.9	2.7	0.9	6.0	6.3	3.0	6.5	0.7	6.5	10.5	11.1
Sep	1.1	-0.1	-2.3	-7.3	-3.0	4.8	1.2	6.8	1.2	-5.5	11.3	-6.6	5.3	0.2	0.6	4.4	3.7	3.1	5.3	-2.5	5.8	6.3	1.5
Oct	1.4	-1.1	-1.2	-6.2	-1.1	5.1	-3.0	8.3	1.4	-4.1	9.2	1.9	4.0	-1.5	0.7	9.5	3.7	4.0	5.1	-7.2	10.3	1.3	-8.9
Nov	0.8	-0.3	-2.8	0.8	-3.6	0.6	-1.2	6.4	0.9	-3.7	4.9	6.9	5.4	-2.2	0.3	6.2	4.9	3.0	5.7	-9.0	7.3	3.0	-17.8
Dec	1.0	0.7	-2.9	-6.2	-3.4	0.9	-0.6	7.0	1.1	-2.3	0.9	19.9	6.5	-1.7	0.2	5.8	6.7	2.5	3.8	-11.5	4.3	7.6	-24.5
2023 Jan	1.0	0.5	-2.7	-13.4	-2.1	-2.4	-0.9	3.4	1.4	-2.8	2.5	12.9	4.0	0.0	0.3	4.6	8.2	1.8	2.0	-6.2	7.5	7.2	-21.0
Feb	0.6	0.0	-2.5	-11.3	-1.7	-3.9	-1.8	5.9	0.7	-1.9	0.9	0.1	2.7	0.5	0.0	4.1	7.6	0.5	0.5	-6.4	7.6	10.6	-13.1
Mar	0.1	-0.4	-1.6	-11.3	-0.8	0.3	-0.4	4.6	0.1	-2.4	-1.2	-1.5	2.6	0.4	0.1	2.4	5.4	0.5	1.7	-7.3	4.7	7.7	-5.2
Apr	0.6	-0.4	-1.2	-16.0	0.3	-1.4	-3.4	3.6	0.7	-2.4	0.2	0.3	3.4	0.1	-0.3	1.6	6.3	0.8	0.8	-2.5	4.2	9.6	-6.9
May	-0.3	-0.7	-2.0	-16.1	-0.6	-3.5	-2.8	0.1	-0.1	-1.5	-1.3	-1.5	2.7	-0.8	-0.6	-1.9	3.8	1.0	0.4	-2.2	8.4	5.9	-9.0
Jun	1.4	-0.7	1.8	-14.9	3.8	0.5	-1.9	5.2	1.1	0.1	-0.3	-0.5	4.7	-1.2	-0.6	-1.6	7.2	1.0	1.2	2.9	5.2	6.7	-13.2
Jul	0.3	-0.7	1.0	-18.4	3.1	0.3	-1.1	3.2	0.0	-1.0	-5.0	0.1	2.3	-1.3	-1.1	-1.4	5.1	0.8	-0.9	0.0	12.5	4.3	-8.0
Aug	0.5	-0.4	1.3	-8.3	2.8	-0.8	-3.2	2.3	0.2	-0.7	-5.2	2.9	2.1	-0.5	-0.8	-1.4	4.8	0.1	1.0	-0.1	7.3	2.3	-1.9

1 The GVA output is designated as a National Statistic.
2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
3 Estimates cannot be regarded as accurate to the last digit shown.
4 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.
5 A complete run of data is available on the ONS website.
6. The construction growth rates calculated from this release may have small differences to those in Construction Output in Great Britain releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

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

REV1

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

seasonally adjusted 2019=100

Periods open for revision: Jan1997 - Jul 2023

Industry sections (SIC2007)

	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction [4]	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2

Percentage change, latest 3 months on previous 3 months [3,5]

Period	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2021 Jul	0.6	-0.6	-2.8	-2.8	-1.5	-14.4	-0.6	0.7	1.1	3.4	3.2	-8.4	1.1	0.1	0.3	-0.2	-1.0	0.1	1.6	4.0	1.5	0.5	-4.4
Aug	0.3	-1.0	-2.1	-5.3	-1.1	-11.1	-1.1	0.2	0.5	2.2	0.8	-6.2	0.5	0.1	0.4	-0.7	-1.7	-0.1	1.5	3.0	1.1	0.9	-5.6
Sep	-0.2	-1.6	-2.0	-9.0	-1.2	-8.9	-1.2	-0.3	0.1	1.7	-0.9	-4.5	0.2	0.2	0.2	-1.9	-2.5	-0.4	0.9	2.7	0.7	0.9	-4.1
Oct	-0.1	-0.9	-1.2	-6.2	-1.0	-4.6	-0.9	-0.5	0.0	1.2	-0.3	-4.5	-0.5	0.7	0.5	-2.9	-2.9	-0.6	1.2	2.3	-0.4	4.2	0.7
Nov	0.0	-0.2	-0.2	-4.7	0.1	-2.4	-0.8	-0.2	-0.1	1.1	-0.2	-4.8	-0.4	1.2	0.5	-3.4	-3.7	-0.8	1.8	2.0	-3.2	3.8	8.2
Dec	-0.2	0.1	0.9	-1.9	1.2	1.3	-1.2	0.1	-0.5	0.8	0.1	-7.0	-1.3	1.5	0.4	-2.6	-4.5	-0.7	0.8	1.2	-5.4	2.3	15.2
2022 Jan	-0.4	-0.8	1.4	-1.3	2.1	1.8	-1.2	0.4	-0.8	0.7	-0.5	-8.0	-1.6	1.1	0.1	-1.2	-4.8	-0.5	-0.1	0.2	-6.0	-3.1	14.1
Feb	-0.3	-1.2	0.9	0.4	1.3	2.5	-1.0	0.4	-0.6	0.8	0.5	-5.8	-2.3	0.6	0.1	0.0	-4.1	0.0	1.6	-0.2	-3.7	-4.6	7.6
Mar	0.2	-1.0	0.1	0.6	0.4	0.8	-0.4	0.2	0.3	1.0	0.9	-0.1	-1.6	0.4	0.2	0.7	-2.3	0.6	4.1	1.3	-1.8	-2.9	2.4
Apr	0.6	-0.4	-0.1	2.4	-0.3	0.0	-0.1	0.0	0.7	0.9	0.4	4.6	-1.1	0.2	0.5	0.8	-0.9	0.7	3.9	2.7	-1.1	1.3	0.0
May	0.4	0.0	0.0	3.5	-0.1	-1.1	0.3	-0.2	0.5	0.8	-0.7	3.9	-0.4	0.0	0.3	1.1	0.2	0.3	1.9	1.2	-1.6	3.9	-0.8
Jun	-0.1	0.1	0.3	4.8	0.1	-1.3	0.4	0.0	-0.2	-0.1	-1.0	0.7	-0.2	-0.2	0.2	1.3	0.3	-0.2	0.0	-2.2	-1.4	3.7	-1.2
Jul	-0.4	0.1	0.1	2.6	0.1	-1.4	0.6	0.2	-0.5	-0.5	0.0	-1.5	-0.4	-0.1	0.0	1.1	0.5	-0.3	-0.6	-4.7	-0.9	4.4	-0.8
Aug	-0.3	0.1	0.1	0.4	0.1	-0.8	0.5	0.2	-0.5	-0.7	0.6	-2.0	-0.5	0.0	0.1	0.9	0.4	-0.1	-1.2	-4.1	-0.4	4.5	-0.6
Sep	-0.1	0.1	0.0	-1.8	0.2	0.2	0.2	0.0	-0.2	-0.1	0.8	-1.4	0.1	0.1	0.0	0.9	0.3	0.2	-1.5	-2.1	-0.6	5.3	-0.2
Oct	0.1	0.0	0.1	-2.2	0.2	1.1	-0.2	-0.2	0.1	0.0	0.6	-0.9	0.6	-0.2	0.0	1.1	0.1	0.2	-1.1	-0.7	0.2	3.9	-0.2
Nov	0.2	-0.1	0.1	-2.7	0.2	1.9	-1.0	-0.3	0.2	0.0	0.8	-0.5	0.5	-0.3	-0.1	1.2	-0.2	0.2	0.0	-0.1	0.9	2.7	-0.1
Dec	0.1	-0.1	0.0	-3.5	0.1	1.8	-1.3	0.2	0.1	-0.3	0.8	-0.5	-0.1	-0.1	-0.1	0.5	-0.4	0.0	0.9	0.1	2.2	1.2	-0.2
2023 Jan	0.1	0.0	-0.2	-3.2	0.0	1.3	-0.9	0.4	0.1	-0.5	0.8	-0.1	-0.6	0.4	-0.1	-0.4	-0.3	-0.1	1.4	0.7	2.4	0.9	-0.4
Feb	0.2	0.0	-0.2	-2.9	0.0	0.7	-0.1	0.7	0.2	-0.4	0.5	0.5	-0.1	0.7	-0.1	-1.1	0.4	-0.1	1.7	1.1	2.3	1.0	-0.4
Mar	0.2	0.0	0.0	-1.2	-0.1	0.6	0.5	0.2	0.2	-0.3	0.5	1.0	0.1	0.7	-0.1	-1.2	0.7	0.0	1.5	1.0	0.9	0.8	-0.1
Apr	0.2	-0.1	0.1	0.4	-0.1	-0.1	0.5	0.3	0.1	-0.2	0.0	0.7	0.3	-0.1	0.3	-0.6	1.0	0.1	1.2	0.3	0.3	0.5	0.3
May	-0.1	-0.1	0.1	2.0	-0.1	-0.7	0.5	-0.1	-0.1	-0.3	-0.1	0.5	-0.2	-0.2	0.0	-0.4	0.8	0.0	0.5	-0.3	0.1	0.2	0.4
Jun	0.0	-0.2	0.5	3.1	0.3	-0.4	0.7	0.0	-0.1	-0.4	-0.3	0.5	-0.1	-0.5	0.0	-0.3	1.1	0.0	-0.1	-0.5	0.9	-0.1	0.4
Jul	-0.1	-0.1	0.6	1.9	0.2	1.4	0.6	-0.3	-0.2	-0.4	-0.1	0.6	-0.1	-0.5	0.0	-0.8	1.1	-0.1	-0.1	-0.6	-0.1	0.4	0.3

Percentage change, latest 3 months on same 3 months a year ago [3,5]

Period	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2021 Jul	1.8	-14.1	-14.5	-9.7	-11.4	-45.8	-2.6	-5.4	5.8	19.8	1.1	16.7	3.4	1.5	1.9	2.1	-1.4	0.2	8.9	15.2	4.6	24.4	-12.2
Aug	1.3	-13.7	-13.7	-12.5	-10.7	-41.8	-2.7	-4.5	5.0	16.5	2.6	2.5	2.2	1.1	2.0	-0.3	-3.1	-0.1	9.0	16.5	3.4	19.9	-8.3
Sep	0.9	-13.3	-13.2	-15.3	-10.5	-38.9	-2.8	-3.4	4.3	14.9	3.4	0.7	1.2	0.5	2.0	-2.2	-4.4	-0.7	7.5	17.8	1.1	18.0	-3.9
Oct	0.7	-12.5	-12.5	-15.3	-9.8	-36.2	-3.6	-2.9	3.7	13.2	4.5	0.1	0.5	-0.3	2.2	-4.8	-7.6	-1.1	6.5	18.2	-1.9	24.7	1.9
Nov	0.6	-11.2	-10.7	-13.5	-7.7	-35.6	-4.0	-2.2	3.3	12.2	3.7	-1.6	0.3	-0.7	2.3	-5.5	-9.0	-1.5	5.8	19.6	-7.0	25.7	8.3
Dec	0.7	-9.3	-8.6	-11.5	-5.4	-33.6	-4.5	-1.5	2.7	11.1	3.0	-7.0	-0.5	-0.5	2.3	-5.1	-9.7	-1.4	7.3	19.2	-8.0	14.8	11.0
2022 Jan	0.6	-7.8	-6.6	-10.5	-3.4	-30.2	-4.0	-1.0	2.2	11.2	4.6	-29.5	-1.2	0.4	2.1	-3.9	-10.0	-1.2	6.5	18.0	-8.4	4.5	9.5
Feb	0.7	-5.9	-5.0	-9.4	-2.2	-24.8	-3.7	-0.2	1.8	10.3	5.8	-39.4	-1.6	1.5	1.8	-3.6	-10.3	-0.7	6.2	17.1	-7.5	-0.1	7.4
Mar	0.8	-4.1	-3.7	-8.6	-1.4	-20.2	-3.1	0.3	1.6	9.0	6.6	-48.1	-1.9	2.2	1.5	-3.8	-10.0	-0.3	4.4	15.4	-6.7	3.6	8.6
Apr	0.6	-2.8	-2.6	-7.8	-0.7	-16.2	-2.9	0.5	1.1	6.4	3.3	-28.4	-2.2	2.1	1.4	-3.6	-10.4	-0.2	7.6	11.5	-8.1	2.9	9.6
May	0.3	-2.5	-1.4	-6.2	0.1	-11.8	-2.8	0.2	0.4	4.7	0.4	-18.8	-2.7	1.9	1.3	-3.0	-10.1	-0.5	7.5	6.8	-9.4	3.8	9.3
Jun	-0.2	-2.4	-0.7	-4.9	0.5	-8.4	-2.4	0.0	-0.4	3.3	-0.8	-14.0	-3.2	1.8	1.0	-2.8	-9.8	-0.8	5.9	3.0	-9.5	4.1	9.0
Jul	-0.4	-2.0	0.2	-1.9	0.9	-4.5	-1.7	-0.1	-0.6	2.4	-0.3	-12.2	-3.7	1.9	1.0	-2.2	-8.5	-0.7	4.5	0.4	-10.0	7.3	10.7
Aug	-0.4	-1.4	0.7	0.0	1.3	-2.1	-1.1	0.3	-0.7	1.8	0.2	-10.0	-3.6	1.8	0.9	-1.4	-7.5	-0.6	4.2	-1.4	-10.1	8.0	13.1
Sep	-0.1	-0.8	1.3	1.5	1.9	0.9	-0.9	0.3	-0.6	1.5	0.9	-8.7	-3.2	1.6	0.8	0.2	-6.5	-0.2	3.6	-1.9	-10.0	8.9	14.3
Oct	-0.1	-1.1	1.5	1.1	2.2	1.5	-1.0	0.4	-0.6	1.2	0.5	-7.3	-2.6	0.9	0.6	2.0	-5.2	0.1	2.1	-2.4	-8.3	6.8	10.6
Nov	-0.1	-1.2	1.1	1.4	1.4	2.4	-1.3	0.2	-0.4	0.8	1.2	-5.2	-2.6	0.3	0.4	3.3	-3.9	0.4	2.4	-3.1	-5.1	6.4	4.9
Dec	0.1	-0.9	0.4	-0.1	0.8	1.3	-1.1	0.4	0.0	0.4	1.5	-1.5	-1.9	0.1	0.3	3.6	-2.2	0.5	3.7	-2.7	-1.6	7.4	0.7
2023 Jan	0.4	-0.3	0.0	-0.7	0.1	1.1	-0.8	0.4	0.3	0.1	1.8	1.8	-1.5	0.3	0.4	2.7	-0.7	0.5	3.7	-1.7	0.7	10.6	-1.2
Feb	0.4	0.0	0.1	-1.8	0.1	0.7	-0.3	0.4	0.4	-0.3	1.1	1.7	-0.4	0.4	0.2	2.1	0.7	0.3	2.4	-1.9	1.4	12.3	-1.5
Mar	0.1	0.0	0.3	-1.6	0.3	1.2	-0.1	0.4	0.0	-0.8	1.0	-0.3	-0.2	0.4	-0.1	1.6	0.9	0.0	1.0	-3.1	1.0	11.4	-1.6
Apr	-0.1	-0.1	0.2	-2.3	0.3	1.0	-0.1	0.7	-0.2	-1.2	1.4	-1.8	-0.2	0.3	-0.3	1.3	1.3	-0.1	1.0	-4.2	2.1	10.2	-1.0
May	-0.1	-0.2	0.2	-2.8	0.2	1.0	-0.1	0.6	-0.2	-1.3	1.7	-1.5	-0.3	0.2	-0.2	0.6	1.4	0.0	1.0	-3.5	3.1	8.5	-0.6
Jun	0.2	-0.2	0.4	-3.0	0.4	2.0	0.2	0.4	0.1	-1.1	1.6	-0.5	-0.1	0.1	-0.2	-0.1	1.7	0.2	0.9	-1.4	3.2	7.6	-0.3
Jul	0.3	-0.3	0.6	-2.8	0.3	3.7	0.0	0.2	-0.2	-1.0	1.3	0.2	0.1	-0.1	-0.2	-0.5	1.8	0.1	1.0	0.3	3.5	5.2	0.0

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

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

REV2

Monthly GDP based on GVA (Gross Value Added) [1]
Revisions to growth of gross value added at basic prices [2,3]

seasonally adjusted 2019=100

Industry sections (SIC2007)

	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction [4]	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2019 weights	1000	7	136	11	98	15	12	62	794	102	41	30	63	82	131	75	52	49	58	77	15	17	2

Percentage change, latest month on previous month [3,5]

	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2021 Jul	-0.3	-1.7	-1.3	-6.3	-0.7	-4.9	-0.9	0.0	-0.2	0.2	-1.1	-2.1	-0.5	-0.1	-0.2	-0.9	-1.0	-0.3	-1.6	2.7	0.3	1.0	-3.1
Aug	0.0	-0.1	-0.4	-0.2	-0.5	-0.4	0.1	-0.6	0.2	0.5	0.6	0.1	-0.4	0.3	0.2	-0.6	-0.6	-0.1	0.6	-0.3	1.3	1.9	-1.2
Sep	0.5	0.0	-0.1	-2.1	0.1	-1.8	0.0	0.2	0.0	0.5	-0.8	-1.1	0.9	0.3	0.2	-1.7	-1.2	-0.4	2.1	-0.6	-1.2	-0.8	4.5
Oct	0.2	1.0	0.2	0.2	-0.1	2.5	-0.7	0.1	0.2	0.1	2.0	-2.8	-1.5	0.9	0.3	-1.6	-1.5	-0.1	1.5	2.1	-2.1	6.0	7.8
Nov	-0.3	-0.7	1.3	-1.8	2.2	-1.1	-0.4	0.0	-0.6	0.3	-2.3	-3.4	0.3	0.5	-0.2	0.4	-1.8	-0.3	-3.3	0.8	-3.8	-3.5	5.3
Dec	-0.6	-1.1	0.2	1.6	0.0	2.6	-0.9	0.2	-0.8	0.3	0.1	-5.1	-1.5	-0.1	-0.1	0.0	-2.0	-0.2	-0.2	-2.8	-0.5	-4.3	1.7
2022 Jan	0.3	0.0	-0.3	0.0	-0.3	-0.3	0.4	0.3	0.5	0.2	1.9	1.4	-0.5	0.2	0.0	0.3	-0.3	0.4	4.7	0.4	0.0	-0.7	0.1
Feb	0.6	-0.1	0.0	0.1	0.2	-0.4	0.0	0.0	0.7	0.2	0.0	5.6	-0.2	0.2	0.6	0.1	-0.3	0.5	1.0	3.6	0.0	1.7	-0.1
Mar	0.0	0.1	-0.2	0.3	-0.3	-0.2	-0.3	-0.6	0.1	1.1	-1.0	0.3	-0.1	0.0	0.0	0.2	0.7	0.0	-0.2	0.2	-0.5	2.2	-0.1
Apr	-0.2	0.1	0.3	4.5	0.1	-0.3	0.5	0.4	-0.3	-0.7	-0.8	-0.6	0.2	-0.3	0.0	0.8	-0.5	-0.2	-0.3	-0.9	-1.7	0.0	-1.3
May	-0.1	0.0	0.2	-0.1	0.3	-1.1	0.4	-0.1	-0.2	-0.2	0.3	-0.1	-0.1	0.0	0.0	0.2	0.4	-0.3	0.2	-3.1	0.2	2.2	0.3
Jun	-0.3	0.0	-0.2	0.1	-0.3	-0.2	-0.3	0.1	-0.3	-0.3	0.7	-1.5	-0.5	0.0	0.0	0.2	0.5	-0.1	-0.4	-2.0	1.7	0.4	-0.2
Jul	0.0	0.0	0.0	-1.5	0.1	0.3	0.4	0.4	0.1	0.0	0.3	-0.3	0.2	0.2	0.1	0.2	-0.3	0.2	-0.9	0.4	-2.9	3.4	-0.2
Aug	0.1	0.1	0.2	-0.3	0.3	0.0	0.2	-0.3	0.0	0.1	-0.4	-0.1	0.0	0.0	0.0	0.6	-0.1	0.1	-0.6	-0.2	0.6	1.2	-0.1
Sep	0.1	0.0	0.0	-0.7	0.0	1.3	-0.9	-0.5	0.2	0.1	0.6	0.0	0.8	-0.2	-0.1	0.6	0.4	0.1	0.4	0.1	1.6	0.6	0.0
Oct	0.0	-0.1	0.1	-2.2	0.0	0.7	-0.4	0.5	0.0	-0.1	0.7	-0.2	0.1	-0.3	0.0	0.1	-0.5	0.0	0.3	-0.5	-0.8	0.2	0.0
Nov	-0.1	0.1	-0.1	0.0	-0.1	0.3	-0.5	-0.2	-0.1	-0.3	-0.2	-0.5	-1.4	0.4	-0.1	0.1	-0.6	-0.1	0.4	0.3	0.7	0.2	-0.4
Dec	0.2	0.0	-0.2	-2.6	0.2	-0.1	-0.3	0.9	0.3	-0.2	0.0	0.0	0.5	0.2	0.0	-0.7	0.5	-0.1	1.2	0.9	3.1	0.5	-0.1
2023 Jan	0.1	-0.1	0.2	0.4	-0.1	0.4	1.1	-0.3	0.0	0.0	0.9	1.4	0.3	0.3	-0.1	-0.9	0.3	0.0	-0.1	0.3	-1.8	0.2	-0.1
Feb	0.0	-0.1	0.0	0.1	-0.1	0.4	0.1	-0.1	0.1	0.0	-0.5	-0.2	0.1	0.0	-0.1	0.4	0.5	0.2	0.6	-0.2	0.0	0.4	0.2
Mar	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.5	0.3	-0.1	0.0	0.2	-0.2	-0.6	-0.1	0.1	-0.5	-0.2	0.0	0.7	0.2	0.0	-0.1	0.2
Apr	0.0	-0.1	0.3	2.7	0.2	-1.6	0.7	0.1	0.0	-0.3	-0.3	0.4	0.2	-0.2	-0.1	0.4	0.8	-0.1	-0.6	-0.5	0.9	-0.4	0.3
May	-0.1	0.0	0.1	0.0	-0.1	0.2	0.5	-0.9	-0.1	0.0	0.0	0.5	0.1	-0.4	0.0	-0.8	0.1	0.0	-0.4	-0.7	0.0	0.3	-0.2
Jun	0.2	-0.1	0.7	1.0	0.3	3.1	0.2	0.8	0.1	-0.2	0.3	0.1	-0.3	0.1	0.0	-0.2	0.5	0.0	0.3	1.3	-0.4	-0.2	0.0
Jul	-0.1	0.0	-0.4	-1.9	-0.4	1.0	-0.9	0.1	-0.1	-0.1	-0.1	-0.4	0.2	0.0	0.0	0.1	0.3	0.0	-0.6	-0.2	0.2	-0.7	0.9

Percentage change, latest month on same month a year ago [3,5]

	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2021 Jul	1.7	-13.6	-13.4	-12.3	-10.3	-42.8	-2.0	-3.6	5.5	16.4	0.8	4.7	2.6	1.4	2.0	-0.1	0.1	0.1	10.2	19.2	3.6	15.8	-9.5
Aug	0.7	-13.4	-13.8	-17.8	-11.2	-37.9	-3.1	-3.8	4.2	15.1	5.6	-1.2	0.7	0.2	2.0	-2.7	-5.6	-0.7	6.9	16.8	6.0	17.6	-5.2
Sep	0.5	-13.0	-12.5	-16.0	-9.9	-36.2	-3.4	-3.2	3.5	13.2	3.6	0.4	0.4	-0.3	2.0	-4.1	-8.0	-1.5	6.6	17.4	-5.7	20.9	0.9
Oct	0.7	-10.9	-11.0	-12.2	-8.5	-34.4	-4.3	-1.8	3.4	11.6	4.5	1.9	0.4	-1.0	2.4	-7.5	-9.2	-1.3	6.1	20.2	-5.0	36.3	10.3
Nov	0.7	-9.6	-8.5	-12.4	-5.0	-35.9	-4.0	-1.6	2.8	11.9	3.0	-11.9	-0.1	-0.8	2.2	-5.0	-9.8	-1.5	4.7	21.3	-10.6	19.1	14.8
Dec	0.4	-7.6	-6.2	-10.0	-2.8	-30.3	-4.9	-1.2	1.9	9.7	1.7	-17.4	-2.2	0.0	2.2	-2.7	-10.1	-1.4	11.6	16.1	-8.7	-3.0	7.1
2022 Jan	0.7	-6.4	-4.9	-9.1	-2.3	-24.3	-3.3	-0.4	1.8	12.2	9.7	-62.5	-1.3	2.1	1.9	-3.8	-10.0	-0.7	1.1	16.7	-6.2	1.7	5.9
Feb	0.9	-3.6	-3.7	-8.8	-1.5	-19.5	-2.8	0.7	1.6	9.0	6.6	-47.9	-1.5	2.3	1.5	-4.4	-10.8	-0.1	2.7	18.4	-7.5	3.1	9.2
Mar	1.0	-2.4	-2.6	-7.8	-0.6	-16.2	-3.0	0.5	1.5	6.4	3.9	-31.9	-2.9	2.3	1.5	-3.3	-9.2	-0.1	8.7	12.1	-6.5	6.3	11.6
Apr	0.2	-2.1	-1.7	-7.0	0.0	-12.5	-2.9	0.3	0.3	4.4	-0.3	-14.6	-2.2	1.8	1.2	-3.2	-11.3	-0.5	9.8	5.7	-10.1	0.7	8.3
May	-0.2	-2.7	0.0	-3.9	0.9	-7.0	-2.3	-0.2	-0.4	3.2	-2.1	-15.5	-3.1	1.8	1.1	-2.8	-9.8	-0.8	4.3	3.4	-10.9	5.8	8.5
Jun	-0.6	-2.4	-0.3	-3.7	0.6	-5.2	-2.1	-0.2	-0.8	2.1	-0.4	-11.9	-4.3	1.8	0.9	-2.6	-8.3	-1.0	4.1	0.2	-7.6	6.8	9.9
Jul	-0.2	-0.8	0.9	1.2	1.4	-0.3	-0.7	0.3	-0.6	1.8	1.2	-9.8	-3.6	2.1	1.0	-1.4	-7.5	-0.5	5.0	-2.2	-11.4	9.4	14.2
Aug	-0.2	-0.7	1.5	0.8	2.2	0.0	-0.6	0.7	-0.7	1.5	-0.1	-8.7	-3.1	1.6	0.8	-0.2	-6.9	-0.2	3.8	-2.1	-11.1	8.2	17.0
Sep	0.0	-0.8	1.7	2.3	2.1	3.3	-1.4	0.0	-0.4	1.1	1.5	-7.6	-3.1	1.1	0.6	2.2	-5.0	0.2	1.9	-1.4	-7.7	9.2	11.8
Oct	-0.3	-1.8	1.4	0.1	2.2	1.3	-1.1	0.4	-0.6	1.0	0.1	-5.3	-1.4	0.1	0.2	4.2	-4.0	0.4	0.6	-3.7	-6.4	3.2	4.5
Nov	-0.1	-1.0	0.1	2.0	0.0	2.7	-1.3	0.2	-0.2	0.5	2.2	-2.2	-3.3	-0.1	0.3	3.7	-2.7	0.6	4.5	-4.1	-1.4	7.0	-0.1
Dec	0.8	0.1	-0.2	-2.3	0.1	0.0	-0.8	0.9	0.8	-0.1	2.0	4.1	-1.1	0.3	0.4	2.9	0.0	0.7	5.7	-0.7	2.5	12.1	-1.5
2023 Jan	0.5	0.0	0.2	-1.6	0.2	0.7	-0.2	0.2	0.5	-0.3	1.1	3.9	-0.3	0.6	0.4	1.6	0.7	0.2	1.0	-0.7	0.8	12.9	-1.7
Feb	0.0	0.0	0.2	-1.6	0.1	1.3	-0.1	0.1	-0.1	-0.6	0.4	-1.8	0.1	0.4	-0.3	2.0	1.5	-0.1	0.5	-4.4	0.8	11.9	-1.5
Mar	-0.2	-0.1	0.3	-1.9	0.3	1.5	-0.2	1.1	-0.3	-1.6	1.5	-2.3	-0.4	0.3	-0.2	1.2	0.5	-0.1	1.5	-4.4	1.4	9.4	-1.4
Apr	0.0	-0.1	0.2	-3.4	0.4	0.1	-0.1	0.7	0.0	-1.2	2.0	-1.4	-0.4	0.3	-0.2	0.7	1.9	-0.1	1.1	-4.1	4.0	9.2	0.0
May	0.0	-0.3	0.1	-3.2	0.0	1.4	0.0	-0.2	0.0	-1.0	1.7	-0.8	-0.1	-0.1	-0.2	-0.3	1.6	0.2	0.4	-1.7	3.9	7.1	-0.4
Jun	0.5	-0.3	1.1	-2.4	0.7	4.5	0.6	0.6	0.4	-0.9	1.3	0.8	0.2	0.0	-0.1	-0.6	1.7	0.3	1.2	1.6	1.7	6.4	-0.2
Jul	0.3	-0.2	0.6	-2.7	0.1	5.3	-0.7	0.4	0.3	-1.1	0.8	0.7	0.1	-0.1	-0.2	-0.8	2.3	0.1	1.5	1.0	5.1	2.3	0.7

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

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

CONTRIB 1

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

seasonally adjusted 2019=100

Industry sections (SIC2007)

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

Contribution to growth, latest 3 months on previous 3 months

		EDMB	EDMC	EDMD	EDME	EDMF	EDMG	EDMH	EDMI	EDMJ	EDMK	EDML	EDMM	EDMN	EDMO	EDMP	EDMQ	EDMR	EDMS	EDMT	EDMU	EDMV	EDMW	EDMX
2021	Aug	3.37	0.02	-0.39	-0.01	-0.19	-0.20	0.01	-0.08	3.82	0.42	0.18	1.08	0.16	-0.07	0.00	0.15	0.12	0.10	0.50	1.12	0.15	-0.08	0.01
	Sep	1.55	0.01	-0.33	0.11	-0.22	-0.22	0.00	-0.12	1.99	0.01	0.15	0.64	0.04	-0.04	-0.03	0.04	0.09	0.05	0.09	0.87	0.13	-0.03	-0.03
	Oct	1.43	0.01	-0.28	0.13	-0.22	-0.18	-0.01	-0.09	1.79	0.02	0.17	0.33	0.04	0.09	0.01	-0.07	0.10	0.01	-0.04	0.89	0.12	0.17	-0.03
	Nov	1.48	0.01	-0.19	0.04	-0.12	-0.10	-0.01	0.01	1.65	0.01	0.17	0.01	0.04	0.21	0.02	-0.12	0.13	0.00	-0.02	0.92	0.09	0.20	0.00
	Dec	1.35	0.00	-0.06	-0.04	-0.01	-0.02	0.01	0.09	1.32	-0.05	0.17	-0.33	0.09	0.26	0.04	-0.09	0.11	0.00	0.02	0.90	0.06	0.13	0.03
2022	Jan	0.98	-0.01	0.08	-0.06	0.09	0.04	0.01	0.18	0.73	-0.14	0.16	-0.44	0.15	0.17	0.01	0.07	0.04	0.04	0.09	0.50	0.02	0.02	0.03
	Feb	0.60	-0.01	0.08	-0.01	0.02	0.06	0.01	0.19	0.34	-0.21	0.13	-0.24	0.22	0.03	0.01	0.10	-0.01	0.06	0.16	0.09	0.02	-0.04	0.02
	Mar	0.81	0.00	0.00	0.03	-0.07	0.04	0.00	0.19	0.61	-0.15	0.12	0.18	0.26	-0.08	0.02	0.16	0.02	0.07	0.24	-0.22	0.04	-0.02	-0.01
	Apr	0.71	0.00	-0.08	0.03	-0.14	0.01	0.01	0.14	0.65	-0.13	0.07	0.39	0.19	-0.09	0.04	0.14	0.09	0.05	0.18	-0.30	0.06	-0.01	-0.02
	May	0.74	0.01	-0.06	0.03	-0.09	-0.01	0.01	0.17	0.62	-0.11	0.04	0.34	0.09	-0.05	0.06	0.23	0.14	0.02	0.11	-0.32	0.07	0.02	-0.02
	Jun	0.17	0.00	-0.07	0.01	-0.09	-0.01	0.01	0.12	0.13	-0.13	0.00	0.18	0.03	0.01	0.06	0.24	0.10	0.00	0.06	-0.48	0.05	0.02	0.00
	Jul	0.06	0.00	-0.11	0.01	-0.10	-0.01	-0.01	0.10	0.06	-0.15	0.04	0.05	0.03	0.05	0.04	0.24	0.06	0.01	0.05	-0.44	0.02	0.05	0.00
	Aug	-0.31	0.00	-0.22	-0.01	-0.18	-0.01	-0.01	0.01	-0.10	-0.11	0.07	-0.02	0.04	0.05	0.02	0.13	0.01	0.04	0.03	-0.42	0.00	0.05	0.00
	Sep	-0.17	0.00	-0.23	-0.02	-0.17	-0.01	-0.02	0.04	0.03	-0.11	0.12	-0.09	0.01	0.00	0.00	0.09	0.02	0.06	0.01	-0.12	-0.02	0.06	-0.01
	Oct	-0.15	0.00	-0.19	-0.06	-0.10	-0.01	-0.02	0.03	0.01	-0.04	0.09	-0.12	0.00	-0.09	0.00	0.08	0.03	0.06	-0.01	0.00	-0.01	0.03	-0.01
	Nov	0.06	0.00	-0.07	-0.04	0.00	-0.01	-0.02	0.06	0.07	-0.05	0.03	-0.08	0.00	-0.13	-0.01	0.06	0.06	0.04	-0.01	0.12	0.01	0.03	-0.01
	Dec	0.23	0.00	0.00	-0.05	0.06	0.00	-0.01	0.09	0.15	0.02	-0.07	-0.02	0.09	-0.08	-0.03	0.07	0.11	0.01	-0.03	0.04	0.03	0.02	-0.01
2023	Jan	0.28	0.00	0.02	-0.04	0.04	0.01	0.01	0.06	0.20	0.01	-0.11	0.03	0.17	0.02	-0.05	-0.01	0.14	0.00	-0.01	-0.01	0.01	0.02	0.00
	Feb	0.35	0.00	0.00	-0.06	0.04	0.01	0.01	0.09	0.26	0.03	-0.10	0.03	0.20	0.09	-0.04	-0.04	0.15	-0.02	-0.01	-0.06	0.00	0.04	0.00
	Mar	0.33	0.00	0.01	-0.05	0.05	0.01	0.01	0.04	0.27	-0.04	-0.02	0.03	0.11	0.10	-0.02	-0.11	0.12	-0.03	0.05	0.02	0.03	0.05	0.00
	Apr	0.26	0.00	0.06	-0.03	0.09	0.00	0.00	0.09	0.11	-0.06	-0.02	0.03	0.02	0.05	0.00	-0.08	0.08	-0.04	0.03	0.01	0.05	0.05	0.00
	May	0.04	0.00	0.08	-0.02	0.11	0.00	-0.01	0.01	-0.05	-0.09	-0.03	0.04	-0.02	-0.02	0.00	-0.10	0.03	-0.02	0.05	0.03	0.07	0.01	0.00
	Jun	0.17	0.00	0.15	-0.01	0.18	0.00	-0.01	0.02	0.00	-0.02	-0.04	0.06	0.07	-0.07	-0.02	-0.11	0.04	0.00	0.02	0.02	0.05	0.00	0.00
	Jul	0.10	0.00	0.15	-0.01	0.18	-0.01	-0.01	-0.01	-0.04	0.00	-0.04	0.04	0.05	-0.07	-0.05	-0.12	0.01	0.02	0.01	0.02	0.07	0.00	0.00
	Aug	0.29	0.00	0.16	0.00	0.17	0.00	-0.01	0.06	0.07	0.06	-0.03	0.04	0.05	-0.03	-0.05	-0.04	0.03	0.03	0.00	-0.02	0.04	-0.01	0.00

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

		EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU
2021	Aug	12.69	-0.03	-1.06	-0.37	-0.04	-0.72	0.07	0.75	13.03	2.00	0.60	1.32	0.71	0.53	0.31	1.17	0.64	0.20	1.70	3.33	0.39	0.12	0.01
	Sep	9.15	-0.03	-1.48	-0.24	-0.57	-0.72	0.05	0.31	10.35	1.65	0.45	0.74	0.58	0.47	0.26	0.93	0.57	0.23	0.87	3.26	0.33	0.05	-0.03
	Oct	8.06	-0.02	-1.67	-0.17	-0.83	-0.70	0.03	0.16	9.58	1.53	0.46	0.67	0.51	0.46	0.26	0.65	0.51	0.23	0.38	3.42	0.31	0.23	-0.04
	Nov	8.71	-0.01	-1.71	-0.17	-0.91	-0.66	0.04	0.13	10.31	1.60	0.48	1.10	0.49	0.46	0.26	0.56	0.54	0.25	0.29	3.67	0.30	0.32	-0.02
	Dec	8.97	0.00	-1.58	-0.20	-0.81	-0.60	0.02	0.20	10.35	1.48	0.48	1.23	0.54	0.39	0.25	0.46	0.47	0.26	0.48	3.88	0.29	0.15	0.00
2022	Jan	10.52	0.00	-1.29	-0.18	-0.61	-0.52	0.02	0.37	11.44	1.75	0.61	1.40	0.63	0.32	0.18	0.59	0.47	0.30	0.94	3.82	0.31	0.10	0.01
	Feb	10.87	0.01	-1.01	-0.14	-0.44	-0.44	0.01	0.45	11.42	1.64	0.69	1.41	0.75	0.23	0.11	0.51	0.46	0.31	1.35	3.60	0.30	0.05	0.01
	Mar	11.12	0.02	-0.81	-0.08	-0.39	-0.36	0.02	0.44	11.47	1.49	0.75	1.67	0.78	0.20	0.05	0.42	0.49	0.31	1.48	3.19	0.37	0.26	0.01
	Apr	8.74	0.02	-0.68	0.00	-0.41	-0.29	0.02	0.32	9.07	0.70	0.62	1.62	0.68	0.15	0.07	0.31	0.43	0.26	1.20	2.53	0.38	0.11	0.01
	May	6.31	0.02	-0.57	0.04	-0.39	-0.25	0.02	0.31	6.54	0.09	0.53	1.20	0.52	0.13	0.09	0.37	0.38	0.19	0.77	1.82	0.34	0.10	0.00
	Jun	3.92	0.02	-0.46	0.11	-0.39	-0.20	0.02	0.29	4.09	-0.33	0.44	0.67	0.43	0.15	0.09	0.36	0.33	0.12	0.42	1.05	0.28	0.09	-0.01
	Jul	3.21	0.01	-0.40	0.11	-0.37	-0.13	0.00	0.35	3.25	-0.41	0.44	0.34	0.41	0.21	0.11	0.38	0.30	0.11	0.29	0.63	0.23	0.23	-0.01
	Aug	2.53	0.01	-0.40	0.04	-0.38	-0.06	-0.01	0.38	2.54	-0.42	0.42	0.10	0.39	0.24	0.11	0.35	0.26	0.12	0.29	0.25	0.19	0.23	0.00
	Sep	2.17	0.00	-0.36	-0.03	-0.34	0.00	0.00	0.43	2.10	-0.44	0.41	-0.05	0.39	0.18	0.12	0.41	0.25	0.14	0.33	0.05	0.13	0.18	0.01
	Oct	1.60	0.00	-0.31	-0.08	-0.25	0.03	-0.01	0.46	1.45	-0.46	0.36	-0.12	0.37	0.04	0.10	0.52	0.22	0.16	0.31	-0.25	0.10	0.10	0.00
	Nov	1.09	0.00	-0.27	-0.04	-0.26	0.03	-0.01	0.43	0.94	-0.47	0.27	0.01	0.35	-0.10	0.08	0.53	0.20	0.16	0.30	-0.53	0.11	0.06	-0.01
	Dec	1.05	0.00	-0.30	-0.03	-0.27	0.02	-0.02	0.43	0.91	-0.36	0.16	0.25	0.39	-0.16	0.06	0.56	0.25	0.15	0.27	-0.80	0.10	0.07	-0.03
2023	Jan	0.90	0.00	-0.36	-0.05	-0.30	0.00	-0.01	0.34	0.92	-0.31	0.09	0.35	0.39	-0.11	0.04	0.44	0.32	0.12	0.21	-0.76	0.09	0.10	-0.03
	Feb	0.84	0.00	-0.35	-0.08	-0.24	-0.02	-0.01	0.33	0.86	-0.24	0.05	0.28	0.33	-0.03	0.02	0.39	0.36	0.08	0.12	-0.68	0.09	0.14	-0.03
	Mar	0.57	0.00	-0.29	-0.10	-0.15	-0.02	-0.01	0.28	0.58	-0.24	0.02	0.10	0.23	0.02	0.02	0.30	0.34	0.05	0.08	-0.55	0.09	0.14	-0.02
	Apr	0.45	0.00	-0.23	-0.11	-0.07	-0.02	-0.02	0.29	0.38	-0.23	0.00	-0.01	0.22	0.03	-0.01	0.22	0.31	0.03	0.06	-0.45	0.08	0.15	-0.01
	May	0.14	0.00	-0.20	-0.13	-0.03	-0.01	-0.03	0.17	0.18	-0.22	-0.03	-0.03	0.22	-0.01	-0.03	0.06	0.25	0.04	0.06	-0.33	0.08	0.13	-0.01
	Jun	0.57	0.00	-0.06	-0.13	0.12	-0.01	-0.03	0.18	0.45	-0.13	-0.02	-0.02	0.27	-0.05	-0.07	-0.06	0.28	0.05	0.05	-0.05	0.08	0.12	-0.01
	Jul	0.49	0.00	0.04	-0.14	0.20	-0.01	-0.02	0.18	0.28	-0.08	-0.07	-0.02	0.24	-0.10	-0.10	-0.14	0.26	0.04	0.01	0.02	0.13	0.09	-0.01
	Aug	0.74	0.00	0.18	-0.11	0.31	0.00	-0.03	0.22	0.35	-0.05	-0.12	0.02	0.23	-0.09	-0.11	-0.12	0.28	0.03	0.02	0.07	0.12	0.08	-0.01

1 The GVA output is designated as a National Statistic.
2 Estimates cannot be regarded as accurate to the last digit shown.
3 A complete run of data is available on the ONS website.
4 Contributions are based on output GVA growth
5 Please use additional caution when aggregating individual contributions from April - September 2020, as the larger-than-usual growth rates mean that,
   when summed, the rounded contributions may not accurately represent the higher level contribution being calculated.

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

seasonally adjusted 2019=100

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

Contributon to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2021	Aug	0.89	0.01	0.02	0.14	-0.06	-0.04	-0.01	-0.06	0.92	0.02	0.07	0.35	0.02	0.02	0.04	-0.01	0.00	0.00	-0.05	0.31	0.09	0.08	-0.02
	Sep	0.59	0.00	-0.15	-0.05	-0.05	-0.03	-0.02	0.04	0.70	0.02	0.06	-0.01	-0.11	0.11	0.02	0.07	0.07	0.01	0.05	0.31	0.01	0.08	0.01
	Oct	0.35	0.01	-0.10	-0.03	-0.09	-0.02	0.03	-0.01	0.46	0.05	0.06	-0.26	0.15	0.12	0.02	-0.29	0.08	-0.04	0.02	0.43	0.01	0.08	0.01
	Nov	0.73	-0.01	0.19	-0.04	0.19	0.04	-0.01	0.11	0.44	-0.08	0.06	-0.11	0.02	0.08	-0.01	0.21	0.01	0.04	-0.02	0.22	0.02	-0.02	0.02
	Dec	-0.52	-0.01	0.03	-0.01	0.01	0.03	0.00	0.06	-0.60	-0.23	0.01	-0.32	-0.05	0.00	0.00	0.04	-0.06	0.02	0.01	0.03	0.00	-0.07	0.01
2022	Jan	0.51	0.00	-0.04	0.04	-0.11	0.02	0.01	0.08	0.47	0.15	0.07	0.19	0.26	-0.09	-0.01	-0.01	0.00	0.03	0.23	-0.37	0.00	0.03	0.00
	Feb	0.52	0.00	-0.04	0.00	-0.03	0.00	0.00	0.00	0.55	-0.13	0.02	0.35	0.09	-0.03	0.03	0.06	0.07	0.02	0.02	0.05	0.02	-0.01	-0.01
	Mar	0.14	0.00	-0.03	0.01	-0.02	-0.02	0.00	0.08	0.08	-0.10	0.02	0.03	-0.12	-0.01	0.01	0.09	0.05	0.00	-0.02	0.05	0.06	0.02	-0.01
	Apr	-0.21	0.00	-0.01	0.01	-0.06	0.01	0.02	0.02	-0.22	0.10	-0.04	0.02	0.05	-0.01	0.04	0.04	0.02	-0.01	0.04	-0.46	0.01	-0.03	0.00
	May	0.67	0.00	0.04	0.01	0.07	-0.01	-0.03	0.14	0.50	-0.13	0.04	0.02	0.07	0.03	0.02	0.23	0.08	-0.01	0.03	0.08	-0.02	0.05	0.00
	Jun	-0.99	0.00	-0.17	-0.02	-0.16	-0.01	0.02	-0.16	-0.66	-0.10	-0.02	0.02	-0.07	0.02	-0.01	-0.08	-0.10	0.01	-0.01	-0.36	0.03	0.00	0.01
	Jul	0.43	0.00	-0.05	0.03	-0.05	0.00	-0.03	0.10	0.38	0.05	0.11	-0.04	0.03	0.03	0.01	0.02	0.04	0.03	0.02	0.04	0.00	0.05	-0.01
	Aug	0.06	0.00	-0.12	-0.07	-0.05	-0.01	0.01	0.02	0.17	0.04	0.03	-0.08	0.08	-0.04	0.00	0.09	0.04	0.03	-0.02	0.05	-0.04	-0.02	-0.01
	Sep	-0.59	0.00	0.01	0.00	0.00	0.01	-0.01	-0.04	-0.56	-0.22	0.00	-0.03	-0.15	-0.10	-0.02	-0.06	-0.05	0.01	-0.02	0.05	0.00	0.02	0.00
	Oct	0.68	0.00	0.05	-0.02	0.11	-0.02	-0.02	0.08	0.56	0.20	0.01	0.01	0.06	-0.03	0.03	0.09	0.08	0.00	0.01	0.02	0.07	0.00	0.00
	Nov	0.06	0.00	-0.02	0.02	-0.06	0.00	0.02	0.00	0.08	-0.03	-0.08	0.03	0.12	0.02	-0.06	-0.03	0.07	0.00	0.01	0.04	-0.02	0.00	0.00
	Dec	-0.31	0.00	0.00	-0.06	0.03	0.03	0.01	0.11	-0.42	-0.07	-0.11	-0.02	0.04	0.05	-0.01	0.01	0.03	-0.01	-0.09	-0.18	-0.04	0.00	0.00
2023	Jan	0.52	0.00	0.00	-0.02	0.03	-0.01	0.00	-0.14	0.66	0.09	0.12	0.03	0.09	0.05	0.01	-0.10	0.07	0.00	0.13	0.11	0.04	0.03	0.00
	Feb	0.15	0.00	-0.01	0.02	0.00	-0.01	-0.01	0.15	0.01	-0.03	-0.03	0.01	-0.01	0.02	-0.01	0.02	0.04	-0.04	-0.06	0.03	0.03	0.04	0.00
	Mar	-0.31	0.00	0.09	-0.02	0.07	0.02	0.02	0.01	-0.41	-0.15	-0.05	-0.02	-0.13	-0.02	0.02	-0.04	-0.06	0.00	0.05	-0.03	0.02	-0.02	0.00
	Apr	0.23	0.00	0.03	0.00	0.05	-0.01	-0.02	-0.04	0.23	0.10	0.00	0.08	0.12	-0.03	-0.02	-0.03	0.07	0.01	-0.01	-0.05	0.00	0.00	0.00
	May	-0.22	0.00	-0.06	0.00	-0.02	-0.03	-0.02	-0.08	-0.08	-0.04	-0.01	-0.03	0.02	-0.05	-0.01	-0.06	-0.03	0.00	0.00	0.10	0.04	-0.01	0.00
	Jun	0.73	0.00	0.32	-0.01	0.27	0.03	0.03	0.15	0.27	0.06	0.01	0.05	0.08	-0.01	-0.02	-0.05	0.07	0.01	0.04	0.04	-0.01	0.01	0.00
	Jul	-0.64	0.00	-0.15	0.00	-0.12	0.00	-0.02	-0.02	-0.47	-0.05	-0.05	-0.03	-0.15	0.02	-0.04	0.04	-0.06	0.02	-0.10	-0.18	0.10	0.01	0.00
	Aug	0.18	0.00	-0.09	0.02	-0.08	-0.02	-0.02	-0.03	0.30	0.06	0.02	0.00	0.07	0.03	0.03	0.10	0.03	0.00	0.09	0.04	-0.12	-0.05	0.00

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

		EDLE	EDLF	EDLG	EDLH	EDLI	EDLJ	EDLK	EDLL	EDLM	EDLN	EDLO	EDLP	EDLQ	EDLR	EDLS	EDLT	EDLU	EDLV	EDLW	EDLX	EDLY	EDLZ	EDMA
2021	Aug	8.67	-0.03	-1.52	-0.18	-0.65	-0.72	0.03	0.28	9.93	1.63	0.46	0.41	0.63	0.48	0.27	0.92	0.51	0.23	0.70	3.24	0.39	0.09	-0.05
	Sep	7.88	-0.03	-1.70	-0.16	-0.87	-0.70	0.03	0.13	9.48	1.54	0.43	0.72	0.45	0.42	0.25	0.78	0.53	0.24	0.30	3.35	0.28	0.21	-0.05
	Oct	7.63	-0.01	-1.78	-0.18	-0.96	-0.68	0.04	0.08	9.34	1.41	0.48	0.86	0.44	0.48	0.26	0.25	0.50	0.22	0.15	3.68	0.25	0.39	-0.02
	Nov	10.66	0.00	-1.64	-0.17	-0.90	-0.60	0.04	0.17	12.13	1.86	0.52	1.74	0.58	0.48	0.27	0.66	0.59	0.28	0.40	4.00	0.38	0.37	0.01
	Dec	8.64	0.00	-1.33	-0.23	-0.58	-0.52	0.00	0.36	9.62	1.19	0.45	1.09	0.59	0.22	0.23	0.47	0.32	0.29	0.90	3.95	0.24	-0.32	0.01
2022	Jan	12.31	0.01	-0.90	-0.14	-0.35	-0.44	0.03	0.58	12.62	2.23	0.86	1.39	0.72	0.25	0.05	0.65	0.50	0.32	1.54	3.52	0.32	0.25	0.01
	Feb	11.71	0.02	-0.79	-0.05	-0.40	-0.35	0.01	0.42	12.07	1.52	0.75	1.74	0.95	0.21	0.04	0.42	0.56	0.32	1.64	3.33	0.34	0.23	0.01
	Mar	9.40	0.02	-0.73	-0.05	-0.41	-0.28	0.01	0.33	9.78	0.74	0.65	1.86	0.67	0.13	0.07	0.20	0.40	0.30	1.28	2.74	0.45	0.28	0.02
	Apr	5.30	0.03	-0.52	0.09	-0.42	-0.24	0.04	0.22	5.57	-0.12	0.46	1.27	0.42	0.10	0.10	0.32	0.35	0.17	0.73	1.57	0.36	-0.17	0.00
	May	4.37	0.01	-0.46	0.09	-0.33	-0.23	0.01	0.38	4.43	-0.32	0.49	0.50	0.48	0.15	0.11	0.58	0.40	0.10	0.33	1.20	0.22	0.19	-0.01
	Jun	2.15	0.01	-0.41	0.15	-0.42	-0.14	0.00	0.26	2.30	-0.54	0.36	0.27	0.39	0.19	0.05	0.18	0.23	0.10	0.20	0.39	0.26	0.25	-0.02
	Jul	3.13	0.01	-0.32	0.10	-0.36	-0.04	-0.02	0.41	3.04	-0.38	0.46	0.24	0.36	0.29	0.17	0.38	0.26	0.12	0.33	0.32	0.22	0.26	0.00
	Aug	2.29	0.00	-0.47	-0.12	-0.35	0.00	0.00	0.49	2.27	-0.35	0.42	-0.19	0.43	0.23	0.12	0.48	0.30	0.14	0.36	0.05	0.09	0.17	0.01
	Sep	1.10	0.00	-0.31	-0.06	-0.30	0.04	0.01	0.41	0.99	-0.59	0.36	-0.21	0.38	0.02	0.08	0.35	0.18	0.15	0.29	-0.20	0.08	0.10	0.00
	Oct	1.43	-0.01	-0.15	-0.05	-0.11	0.04	-0.04	0.49	1.10	-0.44	0.30	0.06	0.29	-0.13	0.10	0.74	0.18	0.19	0.28	-0.61	0.14	0.02	-0.01
	Nov	0.75	0.00	-0.36	0.01	-0.36	0.01	-0.02	0.38	0.73	-0.39	0.16	0.20	0.39	-0.19	0.04	0.49	0.24	0.14	0.31	-0.78	0.10	0.05	-0.03
	Dec	0.96	0.00	-0.39	-0.05	-0.34	0.01	-0.01	0.43	0.91	-0.24	0.03	0.50	0.48	-0.14	0.03	0.46	0.33	0.12	0.21	-1.00	0.06	0.12	-0.04
2023	Jan	0.97	0.00	-0.35	-0.11	-0.21	-0.02	-0.01	0.21	1.10	-0.29	0.08	0.35	0.30	0.00	0.04	0.37	0.39	0.09	0.11	-0.52	0.10	0.12	-0.03
	Feb	0.60	0.00	-0.32	-0.09	-0.17	-0.04	-0.02	0.36	0.56	-0.20	0.03	0.00	0.20	0.04	0.00	0.33	0.37	0.02	0.03	-0.53	0.10	0.17	-0.02
	Mar	0.15	0.00	-0.20	-0.12	-0.08	0.00	-0.01	0.28	0.07	-0.25	-0.04	-0.05	0.19	0.03	0.01	0.20	0.27	0.03	0.10	-0.61	0.07	0.13	-0.01
	Apr	0.59	0.00	-0.16	-0.13	0.03	-0.01	-0.04	0.23	0.53	-0.25	0.01	0.01	0.26	0.01	-0.04	0.13	0.31	0.04	0.05	-0.20	0.06	0.16	-0.01
	May	-0.30	0.00	-0.25	-0.13	-0.06	-0.03	-0.04	0.01	-0.06	-0.15	-0.04	-0.05	0.20	-0.07	-0.07	-0.16	0.19	0.05	0.02	-0.18	0.12	0.10	-0.01
	Jun	1.43	0.00	0.23	-0.12	0.37	0.00	-0.02	0.32	0.88	0.01	-0.01	-0.02	0.35	-0.10	-0.08	-0.13	0.36	0.05	0.07	0.22	0.08	0.11	-0.02
	Jul	0.35	0.00	0.13	-0.15	0.30	0.00	-0.01	0.20	0.02	-0.10	-0.17	0.00	0.17	-0.11	-0.14	-0.11	0.25	0.04	-0.05	0.00	0.18	0.07	-0.01
	Aug	0.46	0.00	0.16	-0.06	0.27	-0.01	-0.04	0.15	0.16	-0.07	-0.18	0.09	0.16	-0.04	-0.11	-0.11	0.24	0.01	0.06	-0.01	0.10	0.04	0.00

1 The GVA output is designated as a National Statistic.
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3 A complete run of data is available on the ONS website.
4 Contributions are based on output GVA growth
5 Please use additional caution when aggregating individual contributions from April - September 2020, as the larger-than-usual growth rates mean that, when summed, the rounded contributions may not accurately represent the higher level contribution being calculated.

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