

Statistical bulletin

GDP monthly estimate, UK: December 2022

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



Contact:
Ben Graham
gdp@ons.gov.uk
+44 1633 455284

Release date:
10 February 2023

Next release:
10 March 2023

Table of contents

1. [Main points](#)
2. [Monthly GDP](#)
3. [The services sector](#)
4. [The production sector](#)
5. [The construction sector](#)
6. [Cross-industry themes](#)
7. [Revisions to monthly gross domestic product \(GDP\)](#)
8. [Monthly GDP data](#)
9. [Glossary](#)
10. [Measuring the data](#)
11. [Strengths and limitations](#)
12. [Related links](#)
13. [Cite this statistical bulletin](#)

1 . Main points

- Monthly real gross domestic product (GDP) is estimated to have fallen by 0.5% in December 2022, following an unrevised growth of 0.1% in November 2022.
- Looking at the broader picture, GDP was flat in the three months to December 2022, and annual GDP output is estimated to have grown by 4.1% in 2022, following growth of 7.4% in 2021.
- The services sector fell by 0.8% in December 2022, after unrevised growth of 0.2% in November 2022; the largest contributions to this fall came from human health activities, education, arts, entertainment and recreation activities, and transport and storage.
- Output in consumer-facing services fell by 1.2% in December 2022, following growth of 0.4% in November 2022 (revised up from 0.2%).
- Production output grew by 0.3% in December 2022, following growth of 0.1% (revised up from a 0.2% fall) in November 2022. The main contributor to this growth was electricity, gas, steam and air conditioning supply.
- The construction sector was flat in December 2022 after a fall of 0.5% (revised down from being flat) in November 2022.

2 . Monthly GDP

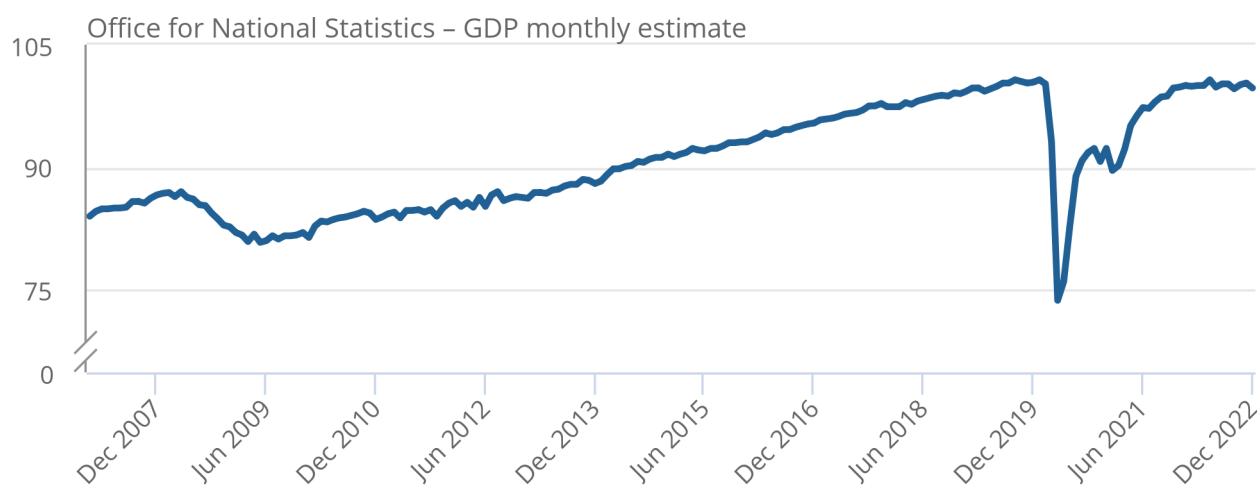
Monthly real gross domestic product (GDP) is estimated to have fallen by 0.5% in December 2022 (Figure 1) following unrevised growth of 0.1% in November 2022. Monthly GDP is now estimated to be 0.5% below its pre-coronavirus (COVID-19) levels (February 2020). Annual GDP output is estimated to have grown by 4.1% in 2022, following growth of 7.4% in 2021.

Figure 1: UK Gross domestic product (GDP) is estimated to have fallen by 0.5% in December 2022

Monthly index, January 2007 to December 2022, UK

Figure 1: UK Gross domestic product (GDP) is estimated to have fallen by 0.5% in December 2022

Monthly index, January 2007 to December 2022, UK



Source: Office for National Statistics – GDP monthly estimate

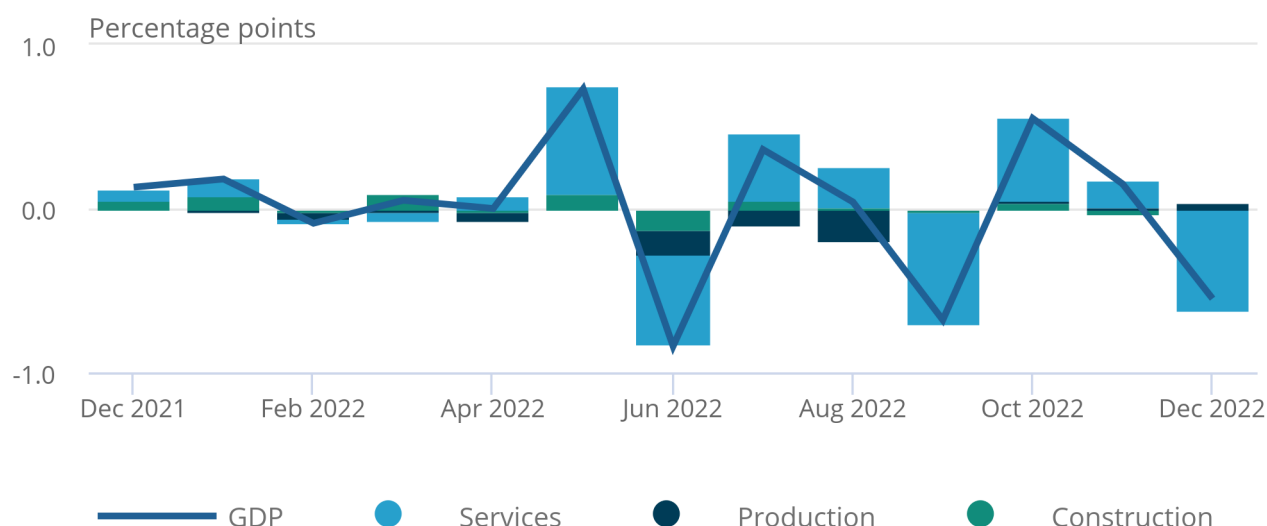
The services sector fell by 0.8% in December 2022 and was the main driver of the fall in GDP. Production grew by 0.3% in December 2022 and construction remained flat on the month.

Figure 2: The services sector was the main contributor to the fall in GDP in December 2022

Contributions to monthly gross domestic product (GDP) growth, December 2021 to December 2022, UK

Figure 2: The services sector was the main contributor to the fall in GDP in December 2022

Contributions to monthly gross domestic product (GDP) growth, December 2021 to December 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

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

Looking more broadly, GDP was flat in the three months to December 2022 when compared with the three months to September 2022. The services sector was flat in the three months to December 2022, while production fell by 0.2% and construction grew by 0.3% in this period. These figures are consistent with the quarterly output measure within our latest [GDP first quarterly estimate, UK: October to December 2022 bulletin](#).

Monthly GDP fell by 0.1% in December 2022 compared with the same month last year. For comparison, monthly GDP grew by 0.6% between November 2021 and November 2022 (revised up from a growth of 0.2% 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

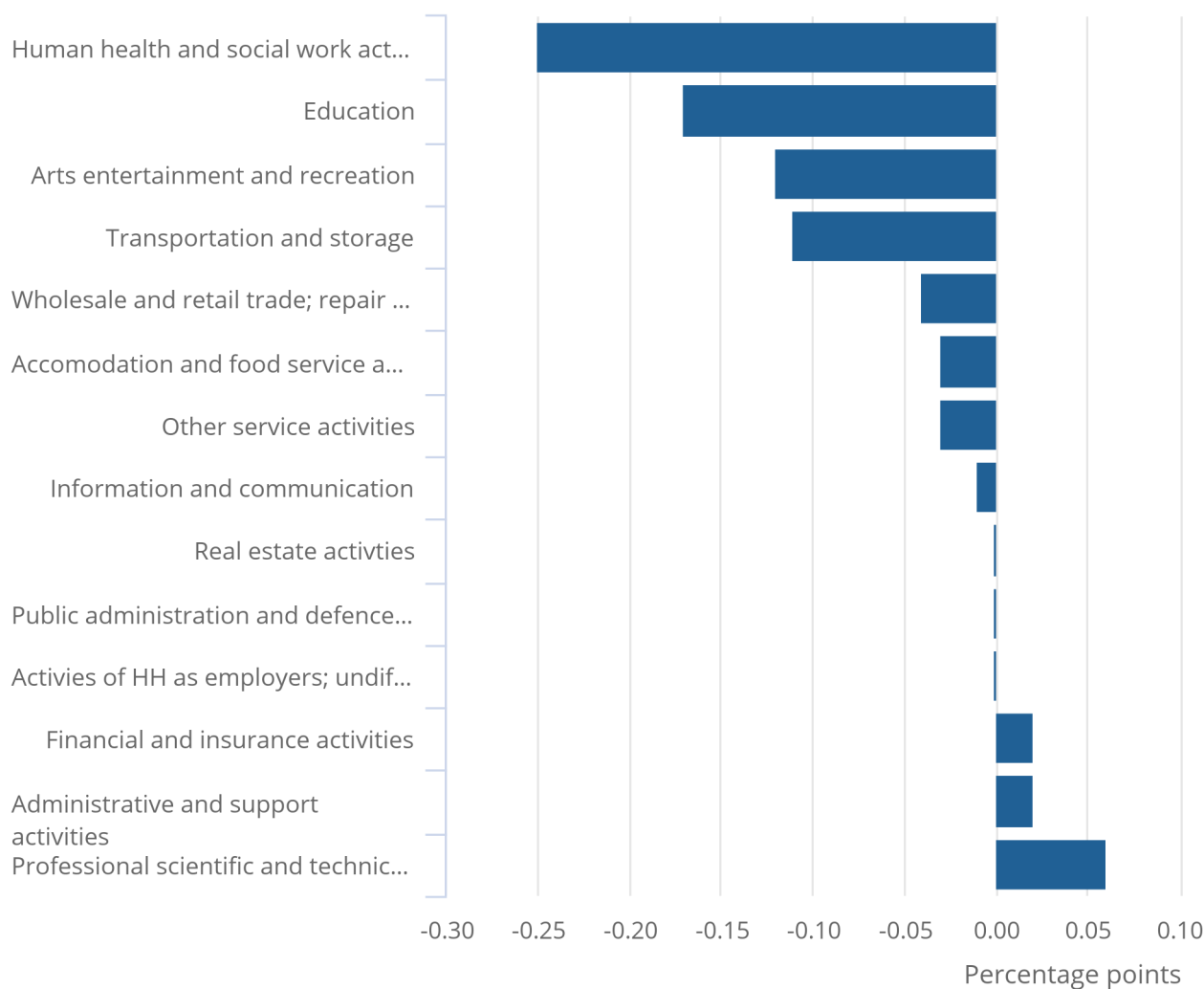
Services fell by 0.8% in December 2022, following unrevised growth of 0.2% in November. Figure 3 shows the contributions from the services sector to GDP in December 2022.

Figure 3: Services fell by 0.8% in December 2022

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

Figure 3: Services fell by 0.8% in December 2022

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



Source: Office for National Statistics – GDP monthly estimate

Notes:

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

The largest driver of the fall in services in December 2022 was human health and social work activities, which fell by 2.8%. This was driven by a 4.2% fall in the human health activities industry, which saw broad falls across the industry. This included fewer GP appointments and operations, partly because of the impact of strikes. A second consecutive fall was seen in the NHS Test and Trace and vaccine programmes, especially vaccination activity.

The second largest contribution to the fall in services was education, which fell by 2.6% in December. This was the industry's fourth consecutive monthly contraction. In this latest month there was a significant drop in attendance levels, especially in the run-up to Christmas.

There was also a fall in arts, entertainment and recreation, of 7.8%. This was driven largely by a fall of 17.0% in sports activities and amusement and recreation activities in December. This was when the Premier League had fixtures moved for the 2022 FIFA World Cup, not resuming play until 26 December.

The largest positive contribution in services in December came from professional, scientific and technical activities which saw 0.7% growth. This was mainly from 3.1% growths in both legal activities and in the architectural and engineering activities; technical testing and analysis industry.

NHS Test and Trace services and vaccine programmes

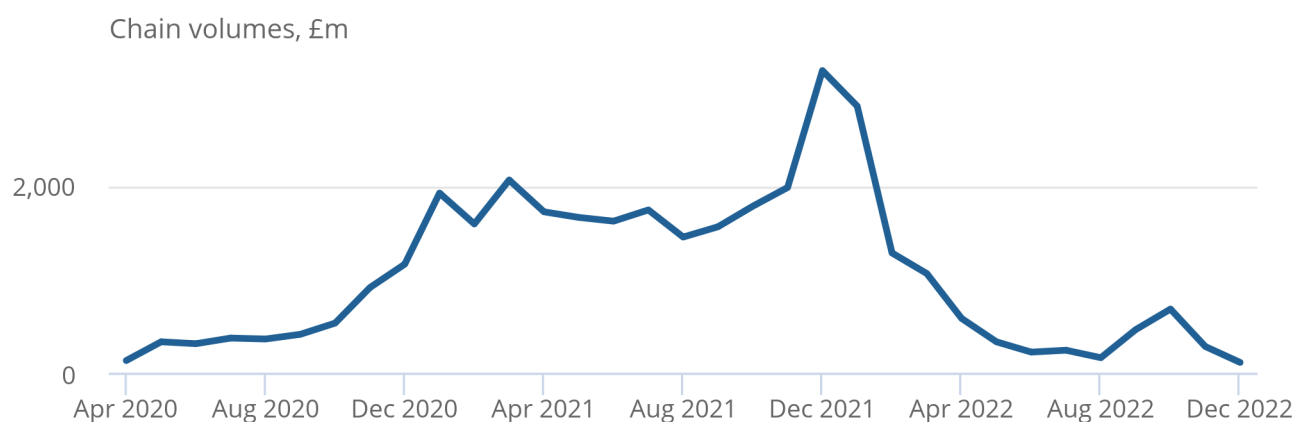
[NHS Test and Trace and coronavirus \(COVID-19\) vaccination programme activity](#) fell by 59% in December 2022 and also fell by 59% in November 2022 (Figure 4). This was driven by a fall in vaccine activity as the Autumn booster programme slowed. Overall, NHS Test and Trace and the COVID-19 vaccination programme detracted 0.1 percentage points from monthly GDP growth.

Figure 4: NHS Test and Trace and coronavirus (COVID-19) vaccination programme activity decreased in December 2022

Monthly chain volume data in £ million, April 2020 to December 2022, UK

Figure 4: NHS Test and Trace and coronavirus (COVID-19) vaccination programme activity decreased in December 2022

Monthly chain volume data in £ million, April 2020 to December 2022, UK



Source: Office for National Statistics – GDP monthly estimate, NHS England

Notes:

1. Data are chain volumes rounded to the nearest £10 million, unless labelled otherwise.

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

Consumer-facing services

Output in consumer-facing services fell by 1.2%, following a growth of 0.4% (revised up from 0.2% in our last publication) in November 2022. However, consumer-facing services were 8.9% below their pre-coronavirus levels (February 2020) in December 2022, while all other services were 1.5% above (Figure 5).

The largest contribution to the fall in consumer-facing services in December 2022 came from sports activities and amusement and recreation activities. These fell by 17.0% in a month where the Premier League had fixtures moved for the 2022 FIFA World Cup, not resuming play until 26 December.

There were also negative contributions from retail trade, except of motor vehicles and motorcycles, which fell by 1.0% in December 2022. In our [Retail sales, Great Britain December 2022 bulletin](#) we noted that "there was continued feedback from retailers suggesting that consumers are cutting back on spending because of increased prices and affordability concerns."

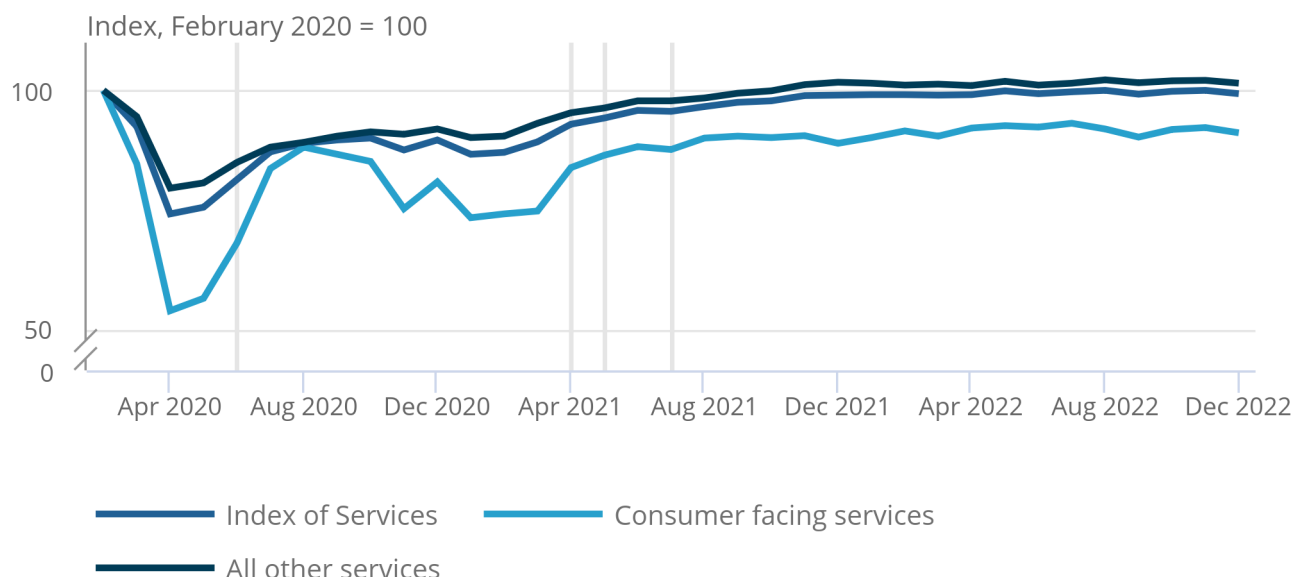
The largest positive contribution in consumer-facing services in December 2022 was from the wholesale and retail trade and repair of motor vehicles and motorcycles industry. This grew by 3.5% in December and was the industry's third consecutive monthly increase. The Society of Motor Manufacturers and Traders (SMMT) in their [December 2022 New Car Registrations web page](#) mentions that it was a strong month for battery electric vehicles.

Figure 5: Output in consumer-facing services fell by 1.2% in December 2022 and remains 8.9% below pre-coronavirus pandemic levels

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

Figure 5: Output in consumer-facing services fell by 1.2% in December 2022 and remains 8.9% below pre-coronavirus pandemic levels

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



Source: Office for National Statistics – GDP monthly estimate

Notes:

1. Consumer-facing services refer to retail trade, accommodation, food and beverage serving activities, travel and transport, and entertainment and recreation (Standard Industrial Classification 2007 codes 45, 47, 49.1-2, 55, 56, 68.1-2, 75, 79, 92, 93, 94, 96 and 97).
2. Vertical grey lines represent (from left to right): hospitality reopening on 1 June 2020, outdoor hospitality reopening on 12 April 2021, indoor hospitality reopening on 17 May 2021, and social distancing restrictions easing on 19 July 2021.

Three month and annual growth

The services sector was flat overall in the three months to December 2022 compared with the three months to September 2022. Negative growth in 8 of the 14 services sub-sectors was offset by positive contributions in the other 6.

Annual services output for 2022 grew by 5.5%, following growth of 7.0% in 2021.

More detailed breakdowns on services are available in our [Index of Services, UK: December 2022 bulletin](#).

4 . The production sector

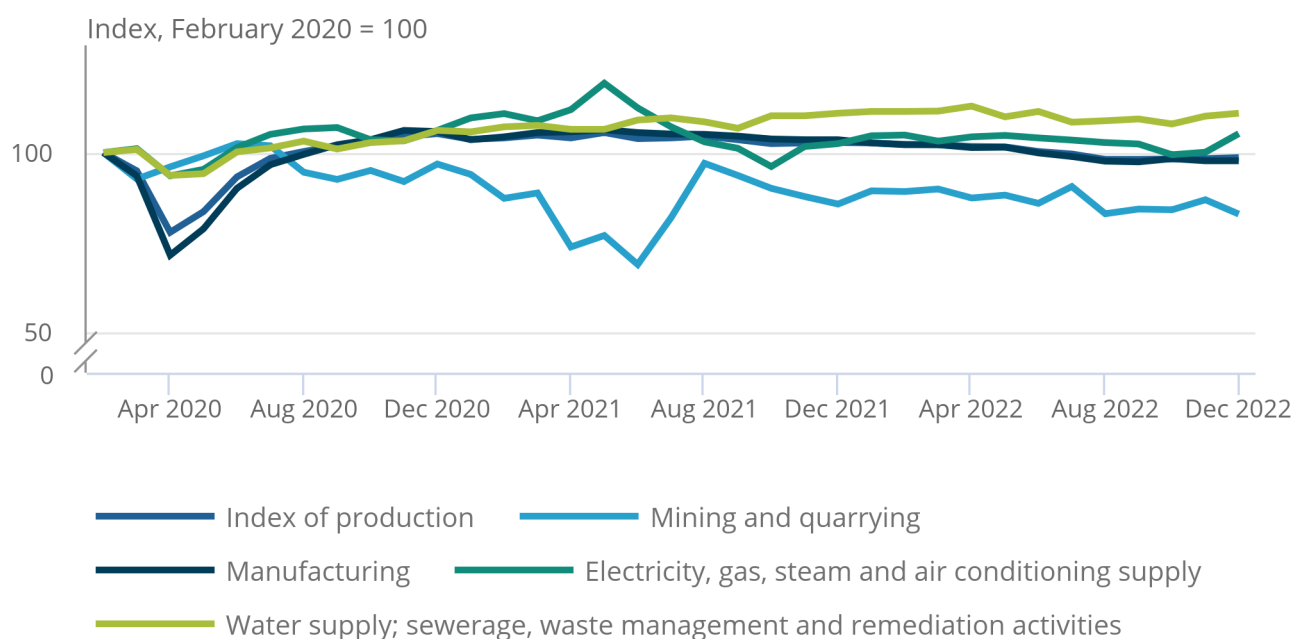
Production output grew by 0.3% in December 2022, after growth of 0.1% in November 2022 (revised up from a fall of 0.2% in the last publication). The sector saw growth in two of its four subsectors, with electricity, gas, steam and air conditioning supply being the largest contributor to the production sector's positive growth.

Figure 6: Production grew by 0.3% in December 2022, with electricity, gas, steam and air conditioning supply being the largest positive contributor

Monthly index, February 2020 to December 2022, UK

Figure 6: Production grew by 0.3% in December 2022, with electricity, gas, steam and air conditioning supply being the largest positive contributor

Monthly index, February 2020 to December 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

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

Manufacturing remained flat in the month. There were falls in the manufacture of food products, beverages and tobacco (down 1.0%), manufacture of chemicals and chemical products (down 1.6%), other manufacturing and repair (down 0.9%) and the manufacture of wood and paper products, and printing (down 1.0%). Manufacturing saw falls in 8 of its 13 subsectors, however they were fully offset by the growth seen in the other 5 (Figure 7).

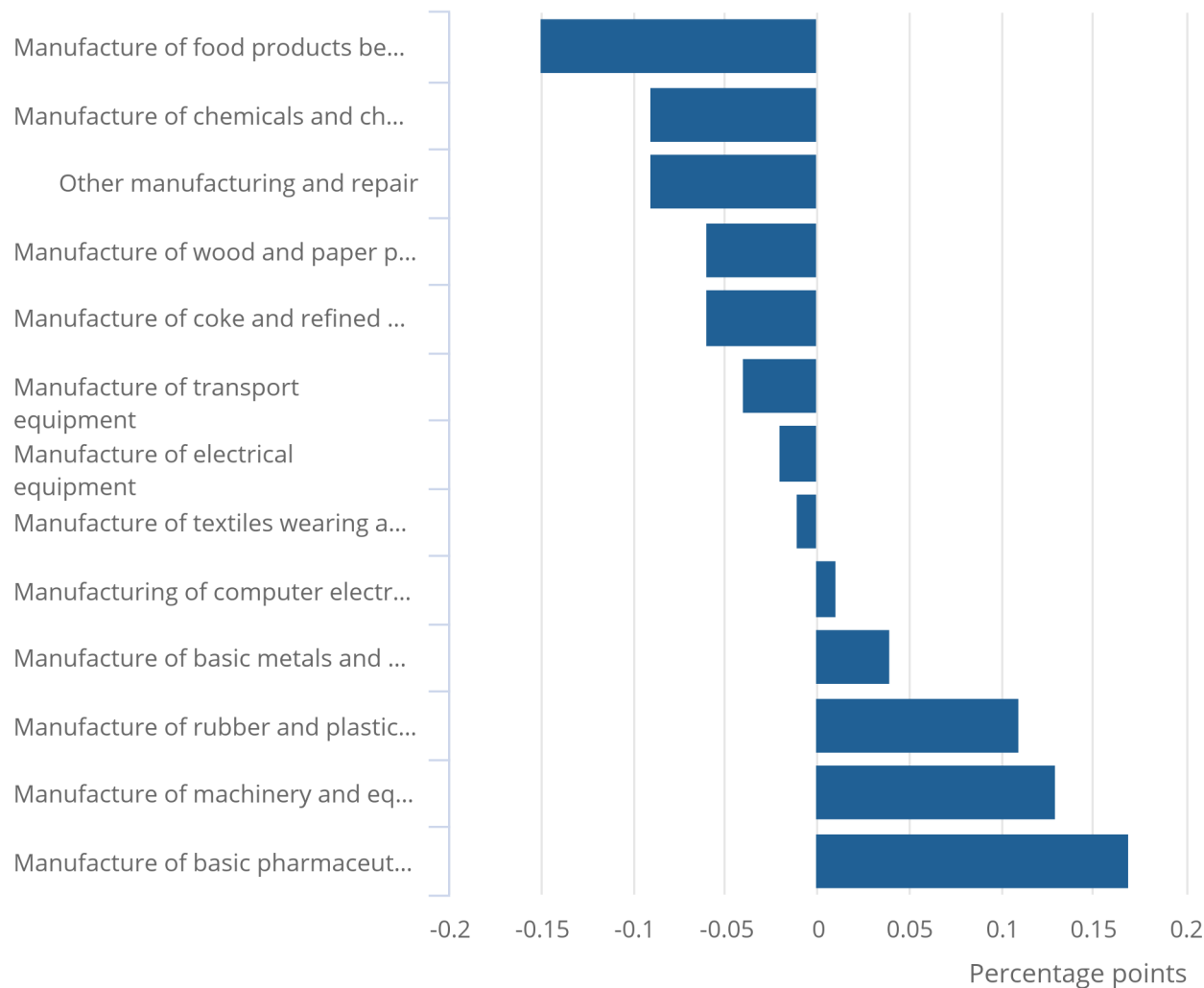
Manufacture of basic pharmaceutical products and pharmaceutical preparations was the largest positive contributor (up 2.0%). There were also growths in the manufacture of rubber and plastics products, and other non-metallic mineral products (up 1.4%) and the manufacture of machinery and equipment not elsewhere classified (n. e.c.) (up 1.6%).

Figure 7: Manufacturing was flat in December 2022 with falls in 8 of its 13 sub-sectors

Monthly manufacturing subsectors contributions to manufacturing output, December 2022, UK

Figure 7: Manufacturing was flat in December 2022 with falls in 8 of its 13 sub-sectors

Monthly manufacturing subsectors contributions to manufacturing output, December 2022, UK



Source: Office for National Statistics – GDP monthly estimate

Electricity, gas, steam and air conditioning supply was the largest positive contributor to production, growing by 5.2%. There was growth of 4.4% in the manufacture of gas and a growth of 5.6% in electric power generation, transmission and distribution. [Energy trends data \(Excel, 120KB\)](#) produced by the Department for Energy Security and Net Zero (DESNZ) show that the average temperature in December 2022 was 2.4 degrees lower than in December 2021.

Water supply and sewerage grew by 0.7% in December 2022. This growth was driven by both sewerage and water collection, treatment and supply which increased by 1.3% and 1.5%, respectively.

Mining and quarrying was the largest negative contributor to production, falling by 4.6% in December 2022. This was driven by a 5.3% fall in the extraction of crude petroleum and natural gas industry.

Overall, production decreased by 0.2% in the three months to December 2022, compared with the three months to September 2022. This was driven primarily by electricity, gas, steam and air conditioning supply, which fell by 1.3%.

Annual production output fell by 3.6% in 2022, following growth of 7.3% in 2021.

More detailed breakdowns on production are available in our [Index of Production, UK: December 2022 bulletin](#).

5 . The construction sector

Monthly construction output was flat (0.0% growth) in volume terms in December 2022 (Figure 8). This follows a decrease of 0.5% in November 2022, which is revised down 0.5 percentage points in this release.

The flat month for construction output in December 2022 was because of an increase in new work (up 0.5%), which was then offset by a fall in repair and maintenance (down 0.7%). Five out of the nine sectors saw an increase on the month.

At the sector level, the main positive contributors were seen in non-housing repair and maintenance and infrastructure new work, which increased 5.4% and 3.7%, respectively. The main negative contributors were seen in private housing, with repair and maintenance and new work falling 8.5% and 2.3%, respectively.

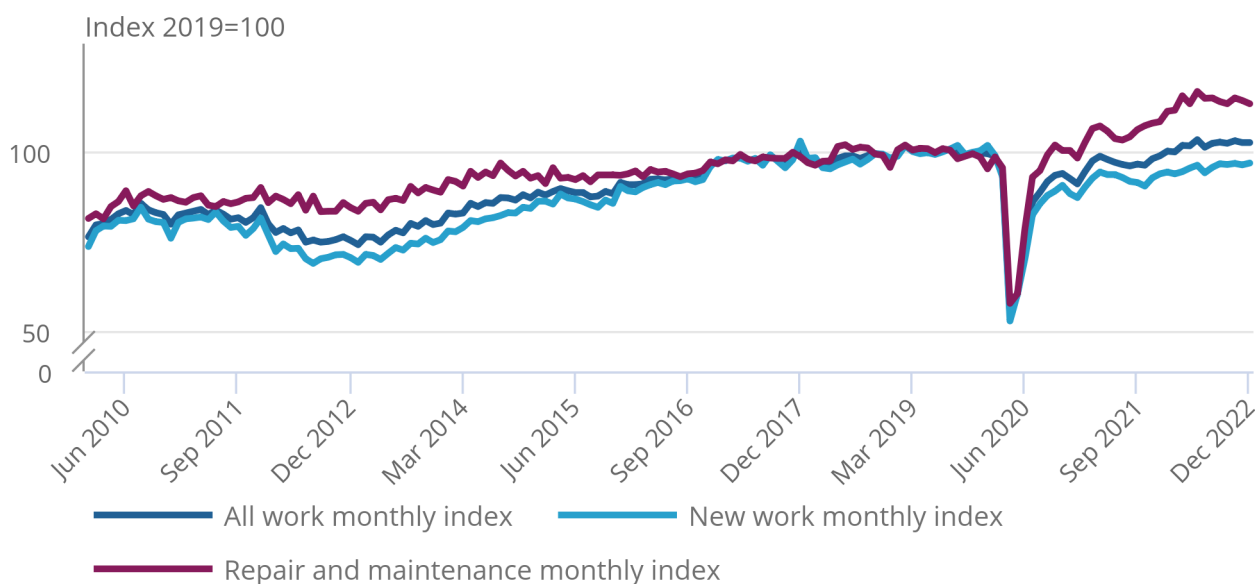
Anecdotal evidence received from returns from the [Monthly Business Survey for Construction and Allied Trades \(MBS\)](#) suggests that freezing temperatures and heavy rainfall in December 2022 may have seen many businesses shut down for Christmas for longer than is usually expected. The Met Office confirmed in their [Monthly climate summary](#) that December 2022 was the UK's coldest December since 2010. Additionally, businesses have continued to reference economic worries affecting their customers' likelihood to request construction work. These comments have covered clients in households, businesses and the public sector.

Figure 8: The monthly all-work construction output index was flat in December 2022, coming from an increase in new work (0.5%) and a decrease in repair and maintenance (0.7%)

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to December 2022

Figure 8: The monthly all-work construction output index was flat in December 2022, coming from an increase in new work (0.5%) and a decrease in repair and maintenance (0.7%)

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to December 2022



Source: Office for National Statistics – Construction Output and Employment

Notes:

1. Indexes are rounded to one decimal place.
2. Monthly output records began in January 2010.

Overall, construction grew by 0.3% in the three months to December 2022, compared with the three months to September 2022. Annual construction output grew by 5.6% in 2022, following growth of 13.1% in 2021.

Further detail on construction output growth rates, along with new orders in the construction industry and construction output prices, can be found in our [Construction output in Great Britain: December 2022, new orders and Construction Output Price Indices, October to December 2022 bulletin](#).

6 . Cross-industry themes

There was anecdotal evidence to suggest that rail strikes had negatively impacted some businesses. Most comments were received from restaurants, caterers, hotels and bars, but other affected units included those engaged in the manufacture of jewellery, the wholesale of food, beauty treatments and the wholesale of wine. Units involved in car hire and in land transport reported an increase in turnover because of the rail strikes.

There was also anecdotal evidence that postal strikes had negatively impacted some businesses. The units affected included businesses engaged in financial planning, hospitality, computer repair, and management consulting. Other units affected include those involved in the manufacture of metal doors and windows, blankets and jewellery and the wholesale of flowers, watches, garden furniture, computer equipment, optical equipment, motor vehicle parts, and households' goods.

While the direct impact of the strikes by rail and postal workers can be seen in the rail transport and postal and courier activities industries, we are not able to isolate the impact of these strikes from other factors across the wider economy. However, there was anecdotal evidence to suggest that this industrial action had an impact across a wide range of industries.

7 . Revisions to monthly gross domestic product (GDP)

This release gives new data for December 2022 and revisions back to January 2022, consistent with our [GDP first quarterly estimate release](#) on the same day.

Table 1: Revisions to month-on-month growth for gross domestic product (GDP) and its sectors
Percentage points, January 2022 to November 2022, UK

	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022
GDP	0.1	-0.1	-0.1	0.2	0	0.1	0.1	0	0.1	0	0
Services	0	-0.1	-0.2	0.2	0	0.1	0	0.1	0.1	-0.1	0
Production	0.2	0	-0.1	0.2	0.1	-0.1	0	0	0.1	0.2	0.3
Construction	0	-0.5	0.7	-0.3	0.7	-0.3	0.5	-0.1	0	0.3	-0.5

Source: Office for National Statistics – GDP monthly estimate

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 next monthly GDP release on 10 March 2023 will have no periods open for revision in line with our [National Accounts Revision Policy](#).

8 . Monthly GDP data

[Monthly gross domestic product by gross value added](#) Dataset | Released 10 February 2023 The gross value added (GVA) tables showing the monthly and annual growths and indices as published within the monthly gross domestic product (GDP) statistical bulletin.

[Contributions to monthly GDP](#) Dataset | Released 10 February 2023 Contributions to growth within monthly gross domestic product (GDP), UK.

[Monthly gross domestic product: time series](#) Dataset MGDP | Released 10 February 2023 Monthly estimate of gross domestic product (GDP) containing constant price gross value added (GVA) data for the UK.

[Monthly GDP and main sectors to four decimal places](#) Dataset | Released 10 February 2023 Monthly index values for monthly gross domestic product (GDP) and the main sectors in the UK to four decimal places.

[Revisions triangles for monthly GDP](#) Dataset | Released 10 February 2023 Comparison of gross domestic product (GDP) first estimates against estimates published later.

[Health volume adjustments and contribution to GDP growth](#) Dataset | Released 10 February 2023 Volume estimates for the NHS Test and Trace services and vaccine programmes and their impact on real GDP.

9 . Glossary

Contribution to growth

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

Gross domestic product (GDP)

A measure of the economic activity produced by a country or region. GDP growth is the main indicator of economic performance. There are three approaches used to measure GDP:

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

Index numbers

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

Rolling three-month growth

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

Real GDP

Real GDP excludes any inflationary issues and reflects the changes in volume terms. This can also be referred to as volume estimates of GDP.

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

10 . Measuring the data

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

- [Construction output in Great Britain: December 2022, new orders and Construction Output Price Indices, October to December 2022](#)
- [Index of Production, UK: December 2022](#)
- [Index of Services, UK: December 2022](#)

There have been large movements in UK gross domestic product (GDP) over the course of the coronavirus (COVID-19) pandemic. This is primarily in response to public health restrictions and voluntary social distancing that have been in place over this period. Given the size of these effects, there has been a focus on where the economy is relative to its pre-pandemic levels.

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

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

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 (ABS) in their compilation.

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

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

Additional bank holiday in September 2022 for the State Funeral of Queen Elizabeth II

For the state funeral of Queen Elizabeth II there was an additional bank holiday on 19 September 2022. This led to one fewer working day in September 2022. This should be considered when interpreting the movements involving September and October 2022. [Previous experience of additional, or substitute, bank holidays](#) in 2002 and 2012 highlighted that such events might lead to more volatile movements in the monthly path of GDP.

As part of our usual seasonal adjustment practice, prior adjustments are made for calendar effects (where statistically significant). This includes returns that do not comply with the standard trading period, regular bank holidays, and Easter. Adjustments for repeating and predictable effects are estimated and removed from the final seasonally adjusted series, for example a permanent change in the seasonal pattern. Adjustments for effects that do not repeat are estimated and removed during the seasonal adjustment process, but are then put back into the final seasonally adjusted series. For example, as with the effect of extreme weather, or one-off quantifiable events.

The additional bank holiday in September 2022 is not regular, so there was not an explicit adjustment to account for it as part of the seasonal adjustment process. However, indirectly, the timing of the bank holiday will affect the number of trading days in the period where it falls. There is likely to be some impact on our GDP estimates (positive or negative depending on the sector) in September 2022 because of the additional bank holiday. This is an ad hoc effect, so it did not get removed from our GDP seasonally adjusted estimates.

In our figures, we reviewed the trading day patterns of all industries, considering the timing of the additional bank holiday, ensuring the genuine activity from the bank holiday was reflected in our published GDP seasonally adjusted estimates. We will continue to review our seasonal adjustment parameters on a regular basis.

Users are therefore likely to find an effect related to one fewer working day in September in the seasonally adjusted series. Caution should be taken when interpreting the seasonally adjusted movements involving September and October 2022, and the rolling three-month estimates including these months.

11 . Strengths and limitations

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [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

[GDP first quarterly estimate, UK: October to December 2022](#)

Bulletin | Released 10 February 2022

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

[Construction output in Great Britain: December 2022, new orders and Construction Output Price Indices, October to December 2022](#)

Bulletin | Released 10 February 2023

Short-term measures of output by the construction industry, contracts awarded for new construction work in Great Britain and a summary of the Construction Output Price Indices (OPIs) in the UK for Quarter 4 (Oct to Dec) 2022.

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

Bulletin | Released 10 February 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: December 2022.](#)

Bulletin | Released 10 February 2023

Monthly movements in output for the services industries.

[Coronavirus and the effects on GDP](#)

Article | Released 6 May 2020

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

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

Article | Released 11 November 2021

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

13 . Cite this statistical bulletin

Office for National Statistics (ONS), released 10 February 2023, ONS website, statistical bulletin, [GDP monthly estimate, UK: December 2022](#)

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	135	11	97	15	12	62	796	104	40	30	63	82	132	73	51	49	60	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	97.7	97.9	98.9	87.7	100.3	98.6	98.5	100.4	98.2	96.6	91.6	102.6	98.4	100.9	99.6	95.0	94.0	101.6	98.3	101.8	94.1
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	89.4	96.5	101.3	96.8	100.1	109.1	104.8	86.5	87.6	81.6	70.3	59.9	98.6	100.3	100.0	92.5	89.0	95.2	82.5	69.1	71.9	86.3	78.0
2021	96.1	102.1	108.6	85.5	109.8	114.6	112.9	97.8	93.7	84.6	77.9	78.4	104.4	105.5	99.9	101.7	99.1	97.4	92.3	82.2	83.7	78.7	73.9
2022	100.2	105.7	104.7	86.8	104.6	110.6	115.1	103.3	98.9	82.4	87.6	107.1	113.0	104.8	99.5	108.3	113.5	101.1	98.5	89.6	103.9	81.1	68.4
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2020 Dec	92.3	97.2	110.1	96.8	111.0	113.6	110.7	93.7	89.1	81.9	75.6	50.1	98.2	104.2	100.2	97.7	93.3	93.4	92.9	63.3	76.5	94.6	79.3
2021 Jan	89.6	97.4	108.5	94.0	108.5	117.4	110.3	92.2	86.1	76.2	71.2	39.3	101.7	104.8	101.2	94.5	90.6	93.8	74.9	65.2	73.4	74.7	76.0
Feb	90.2	98.4	108.8	87.2	109.4	118.7	111.7	95.7	86.5	78.6	72.3	41.1	99.9	104.9	100.4	97.1	90.6	94.2	73.7	66.1	72.9	74.7	70.5
Mar	92.2	99.6	109.7	88.7	110.7	116.5	112.2	98.7	88.7	81.2	74.2	40.6	100.7	105.7	100.3	101.4	94.9	94.5	82.9	69.8	70.8	73.3	60.4
Apr	95.1	99.2	108.8	73.6	110.8	119.9	111.1	100.0	92.4	88.1	75.1	59.5	105.0	105.7	100.1	99.6	94.7	96.5	94.5	74.0	75.3	89.8	72.3
May	96.3	100.6	110.4	76.8	111.4	127.8	111.1	99.1	93.7	87.7	73.9	80.6	104.4	105.4	100.0	99.5	96.2	97.7	96.8	79.7	81.2	76.9	82.1
Jun	97.3	102.3	108.6	68.8	110.7	120.4	113.7	98.4	95.3	87.9	77.0	91.0	103.9	105.1	100.2	103.4	98.1	97.9	99.4	84.0	81.5	73.5	89.5
Jul	97.2	103.7	108.8	81.9	110.2	114.7	114.4	97.7	95.1	86.8	78.0	92.3	105.2	104.4	99.5	102.1	99.5	98.4	99.0	83.0	83.8	74.9	77.2
Aug	98.0	104.9	109.4	97.1	110.1	110.3	113.2	97.3	96.1	86.5	79.3	103.3	105.9	104.4	99.6	102.5	100.0	98.6	97.7	86.7	88.3	77.3	67.4
Sep	98.6	104.7	108.3	93.7	109.6	108.3	111.3	97.8	96.9	86.3	81.5	104.2	103.5	105.5	99.5	105.2	102.6	99.1	96.4	90.6	90.0	82.0	68.6
Oct	98.7	104.8	107.2	90.0	108.8	102.9	115.0	97.5	97.3	86.7	81.6	98.8	107.2	106.1	99.4	103.1	105.8	98.5	95.2	93.5	92.5	81.2	70.8
Nov	99.7	104.6	107.5	87.7	108.5	108.9	115.0	99.3	98.4	85.8	84.9	98.4	107.2	106.6	99.5	105.5	107.9	99.7	98.0	95.1	97.1	83.1	74.4
Dec	99.8	104.6	107.5	85.6	108.5	109.7	115.7	100.2	98.4	83.7	85.2	92.2	108.2	106.7	99.6	106.0	108.7	100.1	98.4	98.2	97.6	83.0	77.2
2022 Jan	100.0	104.7	107.4	89.4	107.6	112.1	116.3	101.5	98.6	84.8	85.4	98.1	112.1	105.5	99.5	105.8	109.3	100.4	97.8	93.6	97.2	85.5	75.1
Feb	99.9	105.4	107.0	89.2	107.0	112.2	116.2	101.3	98.5	83.5	86.0	105.3	113.5	104.9	99.1	106.3	111.4	100.4	97.3	90.8	99.0	83.3	69.2
Mar	100.0	105.7	106.9	89.8	107.0	110.4	116.4	103.1	98.5	81.8	87.6	105.8	112.1	104.6	99.3	107.5	111.6	100.4	97.0	91.0	103.7	82.6	63.7
Apr	100.0	105.9	106.3	87.3	106.2	111.8	117.8	103.0	98.6	83.2	87.2	107.2	112.5	104.9	99.5	107.2	112.9	100.5	98.1	86.9	107.4	81.3	66.5
May	100.7	106.1	106.3	88.1	106.4	112.1	114.7	104.7	99.4	82.3	88.0	108.2	113.7	105.2	99.6	109.9	114.3	100.6	98.3	90.3	105.1	81.8	69.2
Jun	99.8	106.1	104.9	85.9	104.6	111.4	116.2	102.6	98.7	81.8	86.8	110.5	112.9	105.2	99.5	108.6	111.1	100.7	98.6	87.9	105.3	81.2	72.9
Jul	100.2	106.3	104.2	90.6	103.6	110.7	113.1	103.7	99.2	82.2	89.0	110.2	113.2	105.1	99.6	108.7	113.0	101.1	99.9	88.0	108.4	81.1	68.3
Aug	100.2	106.1	102.6	83.0	102.3	110.0	113.6	103.9	99.5	82.4	90.0	108.0	114.9	104.9	99.6	109.7	114.1	101.6	100.2	88.7	105.6	79.1	65.3
Sep	99.6	105.5	102.5	84.3	102.1	109.6	114.1	103.7	98.7	80.6	89.5	107.1	111.4	104.4	99.5	108.9	112.8	101.9	99.6	89.1	102.6	79.5	66.8
Oct	100.1	105.5	102.7	84.0	103.0	106.4	112.6	104.4	99.3	82.3	89.4	107.5	111.6	104.1	99.7	109.2	115.2	101.9	99.4	90.0	108.3	79.5	68.3
Nov	100.3	105.4	102.8	86.9	102.4	107.1	114.9	103.9	99.5	82.2	87.7	109.0	113.9	104.0	99.6	108.5	117.8	101.9	99.1	90.5	106.2	79.7	68.9
Dec	99.7	105.3	103.1	82.9	102.4	112.7	115.7	103.9	98.7	81.9	84.9	108.1	113.7	104.2	99.5	109.3	118.3	101.9	96.5	88.0	98.0	78.0	67.1
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	1.6	-12.5	3.3	6.3	4.3	-3.2	1.1	-1.7	1.7	-0.7	3.2	-1.7	13.2	-0.9	1.4	0.5	0.1	0.9	4.6	-1.0	1.1	5.0	8.5
2019	1.7	16.9	2.3	2.2	1.2	14.0	-0.3	1.5	1.5	-0.4	1.9	3.5	9.2	-2.5	1.7	-0.9	0.5	5.3	6.4	-2.0	1.8	-1.7	6.3
2020	-10.6	-3.5	1.2	-3.2	0.1	9.1	4.8	-13.5	-12.4	-18.4	-29.7	-40.											

GVA2

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

seasonally adjusted 2019=100

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction 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	
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	135	11	97	15	12	62	796	104	40	30	63	82	132	73	51	49	60	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
2020 Dec	-8.6	-6.8	7.3	0.4	9.0	1.0	8.3	-5.2	-11.7	-15.9	-22.9	-44.4	-0.9	0.2	0.4	-6.4	-12.9	-6.5	-5.0	-37.6	-28.1	-16.1	-18.7
2021 Jan	-9.6	-6.5	6.9	-1.3	8.1	3.5	8.5	-6.3	-12.7	-17.7	-22.1	-56.2	-0.6	2.3	0.8	-5.7	-14.4	-5.2	-12.9	-38.1	-29.0	-19.9	-25.1
Feb	-9.7	-5.7	5.7	-4.4	6.1	7.8	7.9	-6.0	-12.7	-16.5	-20.8	-56.8	-1.3	3.8	0.6	-3.7	-15.1	-3.9	-19.2	-37.9	-27.5	-19.9	-28.3
Mar	-7.5	-4.1	6.3	-7.0	7.1	9.4	6.9	-2.6	-10.4	-12.4	-15.6	-55.7	-0.9	4.2	0.0	-1.7	-12.1	-3.1	-13.6	-34.0	-24.3	-23.6	-27.2
Apr	3.9	1.7	14.8	-13.6	19.3	12.6	9.1	18.2	0.9	6.3	6.7	-22.3	2.3	5.6	-0.4	5.8	1.7	-2.0	14.6	-15.4	-7.5	-7.9	-9.9
May	16.9	7.1	22.8	-16.9	30.6	17.4	11.1	41.3	14.1	23.9	34.8	99.2	7.0	6.4	-0.2	12.8	20.0	-0.6	56.1	16.0	26.0	6.0	27.0
Jun	24.3	10.5	23.3	-26.4	32.4	18.5	11.9	56.5	22.5	27.4	52.3	402.6	10.5	6.7	0.2	18.1	28.8	1.0	75.2	55.7	55.1	17.6	67.6
Jul	17.4	9.8	14.0	-25.1	19.6	12.3	10.1	32.9	17.1	12.2	31.9	166.8	8.5	5.2	0.2	16.4	21.9	2.6	52.8	51.9	46.5	-5.5	50.4
Aug	11.4	9.4	7.1	-17.2	10.4	3.1	7.5	17.0	11.9	3.2	18.0	61.1	7.2	4.8	0.1	14.9	16.5	3.9	27.9	46.8	33.4	-12.3	11.7
Sep	8.2	8.9	3.9	-5.7	5.6	-2.3	6.4	8.5	9.1	1.5	11.8	27.1	6.6	4.9	-0.1	14.0	16.6	5.3	9.2	43.5	28.3	-15.3	-15.6
Oct	7.4	8.9	1.9	-0.5	2.7	-5.3	6.1	5.5	8.7	2.0	10.9	24.5	6.4	5.6	-0.3	12.9	18.5	5.8	0.4	45.4	28.5	-9.8	-24.1
Nov	8.1	8.8	-0.1	-2.9	0.0	-4.7	6.6	4.2	10.1	3.9	12.0	53.1	6.4	5.9	-0.4	12.5	20.4	6.5	-0.8	47.4	32.8	-4.5	-20.1
Dec	8.3	8.6	-1.5	-7.2	-1.5	-4.1	6.2	4.7	10.7	3.8	12.7	76.1	7.8	4.9	-0.5	10.7	19.4	6.7	1.5	50.9	31.9	-6.1	-12.1
2022 Jan	9.9	8.1	-1.7	-7.1	-1.9	-3.2	5.5	7.0	12.6	6.7	15.4	120.9	9.4	3.0	-0.8	11.1	19.7	7.2	11.7	49.7	34.3	1.4	-5.1
Feb	10.2	7.4	-1.7	-5.0	-1.7	-4.5	4.6	7.6	13.0	6.5	17.2	126.4	11.3	1.0	-1.2	10.0	20.0	6.9	21.6	45.3	31.9	3.2	-1.9
Mar	10.2	6.9	-1.8	-0.6	-2.1	-5.0	4.4	6.7	13.1	6.0	18.9	155.5	11.7	-0.1	-1.3	9.1	20.4	6.6	26.2	37.0	38.2	12.9	0.6
Apr	8.0	6.7	-2.2	6.7	-3.2	-5.8	4.6	4.4	10.5	0.3	17.6	125.5	10.7	-0.6	-1.0	7.7	19.9	5.6	16.5	28.0	41.6	3.9	-1.8
May	6.0	6.1	-2.9	10.9	-4.0	-8.2	4.3	4.4	7.9	-3.7	17.6	77.9	9.1	-0.7	-0.7	8.0	18.5	4.4	7.0	20.0	39.2	2.4	-7.1
Jun	4.0	5.3	-3.2	19.2	-4.7	-8.9	3.8	4.3	5.4	-6.2	15.9	41.0	8.2	-0.3	-0.5	7.7	17.0	3.3	1.5	11.5	33.6	1.8	-14.4
Jul	3.4	3.9	-3.8	16.3	-5.4	-7.9	1.4	5.4	4.7	-6.1	15.2	24.6	8.4	0.2	-0.3	7.3	15.2	2.8	0.5	7.9	29.4	8.4	-15.4
Aug	2.7	2.4	-4.7	4.7	-6.2	-3.8	0.5	5.7	3.8	-5.7	13.5	14.7	8.2	0.4	-0.2	6.2	13.6	2.8	0.9	4.3	25.9	7.0	-11.8
Sep	2.1	1.5	-5.3	-5.4	-6.7	-0.9	0.5	6.3	3.2	-5.5	12.4	8.5	7.9	0.0	0.0	5.7	12.5	2.8	2.2	2.1	20.8	2.4	-6.0
Oct	1.6	0.8	-5.3	-10.5	-6.5	1.4	0.2	6.6	2.5	-5.4	11.0	5.3	6.8	-0.8	0.0	5.5	10.9	3.1	3.4	-1.1	16.9	-1.0	-3.1
Nov	1.0	0.7	-4.6	-6.0	-5.9	1.0	0.1	5.9	1.6	-5.3	7.5	7.4	6.0	-1.8	0.1	4.1	9.3	2.9	2.9	-3.4	13.4	-3.1	-4.6
Dec	0.6	0.7	-4.2	-3.6	-5.6	1.5	-0.7	5.1	1.2	-3.8	4.1	12.2	5.1	-2.2	0.1	4.0	9.0	2.5	1.1	-6.4	8.8	-4.1	-8.1

Percentage change, latest month on previous month

	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2020 Dec	1.8	1.4	0.7	5.3	-0.3	2.8	2.8	-1.6	2.3	2.3	1.2	21.3	-1.2	3.7	0.4	4.8	5.5	0.5	-2.9	0.0	13.3	19.9	-5.1
2021 Jan	-2.9	0.2	-1.5	-3.0	-2.2	3.3	-0.4	-1.6	-3.4	-7.0	-5.9	-21.6	3.5	0.6	1.0	-3.3	-3.0	0.4	-19.4	3.0	-4.0	-21.0	-4.2
Feb	0.7	1.0	0.3	-7.2	0.8	1.1	1.2	3.7	0.5	3.1	1.6	4.6	-1.8	0.0	-0.8	2.8	0.1	0.5	-1.6	1.3	-0.7	0.0	-7.3
Mar	2.3	1.3	0.8	1.7	1.2	-1.8	0.4	3.1	2.5	3.4	2.7	-1.3	0.8	0.8	-0.1	4.4	4.7	0.3	12.4	5.7	-2.9	-1.9	-14.3
Apr	3.1	-0.4	-0.8	-17.0	0.1	2.9	-1.0	1.4	4.1	8.5	1.2	46.6	4.3	0.0	-0.2	-1.8	-0.2	2.1	14.0	6.0	6.4	22.5	19.8
May	1.3	1.3	1.4	4.3	0.6	6.6	0.0	-0.9	1.5	-0.4	-1.6	35.4	-0.6	-0.3	0.0	-0.1	1.6	1.3	2.5	7.7	7.8	-14.4	13.6
Jun	1.0	1.8	-1.6	-10.5	-0.7	-5.8	2.4	-0.8	1.7	0.3	4.1	13.0	-0.5	-0.2	0.1	3.9	2.0	0.2	2.6	5.4	0.3	-4.4	9.0
Jul	-0.2	1.3	0.2	19.1	-0.4	-4.7	0.6	-0.7	-0.2	-1.3	1.4	1.4	1.3	-0.7	-0.6	-1.3	1.4	0.5	-0.3	-1.2	2.9	1.9	-13.7
Aug	0.9	1.2	0.5	18.6	-0.1	-3.9	-1.0	-0.4	1.0	-0.3	1.6	12.0	0.6	0.0	0.1	0.5	0.5	0.2	-1.4	4.4	5.4	3.2	-12.7
Sep	0.6	-0.2	-1.0	-3.5	-0.5	-1.8	-1.7	0.5	0.9	-0.3	2.7	0.9	-2.3	1.0	-0.1	2.6	2.6	0.5	-1.3	4.5	1.9	6.1	1.8
Oct	0.1	0.1	-1.0	-3.9	-0.7	-5.0	3.3	-0.3	0.4	0.4	0.1	-5.2	3.6	0.6	-0.1	-2.0	3.1	-0.7	-1.2	3.2	2.8	-1.0	3.1
Nov	1.0	-0.3	0.2	-2.6	-0.3	5.8	0.0	1.8	1.1	-1.0	4.1	-0.3	0.0	0.5	0.1	2.3	2.0	1.2	2.9	1.7	5.0	2.3	5.2
Dec	0.1	0.1	0.0	-2.4	0.0	0.7	0.7	0.9	0.1	-2.5	0.4	-6.3	0.9	0.1	0.1	0.5	0.8	0.5	0.5	3.2	0.5	-0.1	3.7
2022 Jan	0.2	0.1	-0.1	4.4	-0.9	2.1	0.5	1.3	0.1	1.3	0.2	6.4	3.6	-1.1	-0.1	-0.2	0.5	0.3	-0.6	-4.7	-0.5	3.0	-2.8
Feb	-0.1	0.6	-0.4	-0.2	-0.5	0.1	0.0	-0.2	0.0	-1.4	0.6	7.3	1.3	-0.6	-0.4	0.5	2.0	0.0	-0.5	-3.0	1.9	-2.6	-7.8
Mar	0.0	0.3	-0.1	0.7	0.0	-1.6	0.1	1.8	-0.1	-2.0	1.9	0.5	-1.3	-0.3	0.1	1.1	0.1	0.0	-0.3	0.3	4.8	-0.8	-8.0
Apr	0.0	0.2	-0.5	-2.8	-0.8	1.2	1.2	-0.1	0.1	1.7	-0.5	1.3	0.3	0.3	0.2	-0.3	1.2	0.0	1.1	-4.6	3.5	-1.5	4.3
May	0.7	0.2	0.0	0.9	0.2	0.3	-2.6	1.7	0.8	-1.1	0.9	0.9	1.1	0.3	0.2	2.5	1.3	0.1	0.3	4.0	-2.1	0.6	4.1
Jun	-0.8	0.0	-1.3	-2.5	-1.6	-0.7	1.3	-2.0	-0.7	-0.7	-1.3	2.1	-0.8	0.1	-0.1	-1.2	-2.8	0.1	0.2	-2.7	0.2	-0.7	5.3
Jul	0.4	0.3	-0.7	5.5	-1.0	-0.6	-2.7	1.0	0.5	0.6	2.6	-0.3	0.3	-0.2	0.1	0.2	1.8	0.4	1.3	0.0	2.9	-0.2	-6.3
Aug	0.0	-0.3	-1.5	-8.4	-1.3	-0.7	0.4	0.3	0.3	0.2	1.1	-2.0	1.5	-0.1	0.0	0.9	0.9	0.6	0.4	0.9	-2.6	-2.5	-4.5
Sep	-0.7	-0.5	0.0	1.5	-0.2	-0.3	0.4	-0.3	-0.8	-2.2	-0.6	-0.8	-3.0	-0.5	-0.1	-0.7	-1.1	0.3	-0.6	0.5	-2.8	0.5	2.3
Oct	0.5	0.0	0.1	-0.3	0.9	-3.0	-1.3	0.7	0.6	2.0	0.0	0.4	0.1	-0.2	0.2	0.2	2.1	0.0	-0.2	1.0	5.6	0.0	2.3
Nov	0.1	-0.2	0.1	3.4	-0.6	0.7	2.1	-0.5	0.2	-0.1	-2.0	1.4	2.1	-0.1	-0.1	-0.6	2.3	0.0	-0.3	0.6	-1.9	0.2	0.9
Dec	-0.5	-0.1	0.3	-4.6	0.0	5.2	0.7	0.0	-0.8	-0.4	-3.1	-0.8	-0.2	0.2	0.0	0.7	0.4	0.0	-2.6	-2.8	-7.8	-2.1	-2.7

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

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	135	11	97	15	12	62	796	104	40	30	63	82	132	73	51	49	60	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
2020 Dec	-8.1	-4.9	8.4	3.8	9.6	2.8	10.0	-6.3	-11.1	-14.9	-19.9	-49.2	-3.1	3.0	0.8	-3.5	-11.5	-4.9	-8.4	-38.5	-25.3	-9.9	-24.7
2021 Jan	-11.1	-7.0	4.6	-3.7	4.3	9.8	6.7	-7.8	-14.1	-20.1	-23.7	-61.2	1.3	4.7	1.2	-6.0	-16.8	-3.9	-25.6	-38.1	-28.5	-24.7	-30.3
Feb	-10.0	-5.1	4.1	-12.8	4.4	10.9	7.2	-3.8	-13.0	-14.5	-18.8	-59.8	-2.0	3.8	-0.3	-1.7	-16.9	-3.0	-23.9	-37.2	-28.6	-25.7	-29.9
Mar	-1.0	-0.1	10.5	-4.2	13.0	7.7	6.7	4.3	-3.5	-1.2	-1.9	-41.6	-2.0	4.2	-0.9	2.5	-1.3	-2.4	17.7	-25.8	-13.7	-20.2	-18.9
Apr	29.1	11.6	34.0	-23.4	48.4	19.9	13.8	81.6	25.3	49.1	74.8	506.5	11.8	8.7	0.1	18.6	34.4	-0.5	82.8	51.1	43.3	36.2	43.0
May	26.8	10.6	26.4	-22.5	35.2	25.3	13.2	62.4	24.8	32.6	57.5	607.0	12.0	6.4	0.2	19.2	34.5	1.2	80.9	60.5	77.1	12.3	86.1
Jun	17.6	9.5	11.5	-33.0	17.3	10.9	8.8	33.0	17.8	7.6	31.6	267.4	7.7	5.0	0.5	16.5	19.1	2.3	63.8	55.6	48.0	5.4	75.9
Jul	9.3	9.4	5.8	-19.7	9.0	2.0	8.3	12.2	9.7	1.0	14.5	47.1	6.1	4.3	-0.1	13.8	14.2	4.2	25.3	41.3	24.4	-25.2	9.6
Aug	8.0	9.3	4.3	2.7	5.6	-3.3	5.3	8.4	8.7	1.2	10.2	14.4	8.0	5.3	-0.1	14.4	16.4	5.3	6.3	44.5	30.5	-11.7	-23.6
Sep	7.4	8.2	1.7	1.2	2.4	-5.5	5.7	5.3	8.8	2.3	10.8	26.0	5.8	5.2	-0.2	14.0	19.4	6.4	-1.2	44.6	29.9	-7.7	-27.0
Oct	6.9	9.1	-0.4	-5.3	0.2	-7.3	7.3	3.0	8.7	2.4	11.5	35.5	5.5	6.4	-0.5	10.5	19.7	5.8	-3.5	47.1	25.5	-9.8	-21.4
Nov	10.0	9.1	-1.7	-4.6	-2.5	-1.5	6.7	4.3	13.0	7.1	13.7	138.2	7.9	6.1	-0.3	13.1	22.0	7.2	2.4	50.4	43.8	5.4	-11.0
Dec	8.2	7.7	-2.4	-11.6	-2.2	-3.4	4.5	6.9	10.5	2.1	12.8	84.0	10.2	2.4	-0.6	8.4	16.5	7.2	6.0	55.2	27.6	-12.2	-2.7
2022 Jan	11.6	7.6	-1.0	-4.9	-0.9	-4.5	5.4	10.1	14.5	11.3	20.0	149.6	10.2	0.7	-1.7	12.0	20.7	7.0	30.6	43.6	32.4	14.5	-1.2
Feb	10.8	7.1	-1.7	2.2	-2.2	-5.4	4.0	5.8	13.9	6.3	18.9	155.9	13.7	0.0	-1.2	9.5	22.9	6.5	32.0	37.4	35.8	11.5	-1.7
Mar	8.4	6.1	-2.6	1.2	-3.3	-5.2	3.7	4.5	11.0	0.8	17.9	160.8	11.3	-1.1	-1.0	6.0	17.6	6.3	17.1	30.4	46.6	12.7	5.6
Apr	5.1	6.7	-2.3	18.6	-4.2	-6.8	6.1	3.0	6.7	-5.5	16.0	80.3	7.1	-0.8	-0.6	7.7	19.2	4.1	3.8	17.4	42.6	-9.4	-8.1
May	4.5	5.5	-3.7	14.7	-4.5	-12.2	3.3	5.6	6.1	-6.1	19.0	34.3	8.9	-0.2	-0.4	10.5	18.8	2.9	1.6	13.3	29.5	6.4	-15.7
Jun	2.6	3.6	-3.4	24.9	-5.5	-7.5	2.2	4.3	3.6	-7.0	12.8	21.4	8.6	0.1	-0.6	5.0	13.2	2.8	-0.8	4.6	29.2	10.6	-18.5
Jul	3.1	2.6	-4.3	10.6	-6.1	-3.5	-1.1	6.1	4.3	-5.2	14.1	19.4	7.5	0.6	0.1	6.5	13.6	2.7	0.8	5.9	29.3	8.3	-11.5
Aug	2.3	1.1	-6.2	-14.5	-7.2	-0.3	0.3	6.8	3.6	-4.7	13.5	4.5	8.5	0.5	0.0	7.0	14.0	3.0	2.6	2.3	19.6	2.4	-3.2
Sep	1.0	0.8	-5.3	-10.1	-6.9	1.2	2.5	6.0	1.8	-6.5	9.8	2.8	7.7	-1.0	0.0	3.5	9.9	2.8	3.3	-1.6	14.0	-3.1	-2.7
Oct	1.4	0.7	-4.2	-6.7	-5.3	3.4	-2.1	7.0	2.0	-5.0	9.6	8.8	4.1	-1.9	0.3	5.9	8.9	3.5	4.4	-3.7	17.1	-2.1	-3.5
Nov	0.6	0.8	-4.3	-0.9	-5.6	-1.6	-0.1	4.6	1.1	-4.2	3.2	10.8	6.2	-2.4	0.1	2.9	9.2	2.3	1.1	-4.8	9.4	-4.1	-7.4
Dec	-0.1	0.6	-4.0	-3.2	-5.7	2.7	0.0	3.7	0.3	-2.1	-0.4	17.2	5.1	-2.3	-0.1	3.2	8.8	1.8	-2.0	-10.3	0.4	-6.1	-13.1

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

Section	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction 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	
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	135	11	97	15	12	62	796	104	40	30	63	82	132	73	51	49	60	77	15	17	

Percentage change, latest 3 months on previous 3 months ^{3,5}

2020 Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022 Jan	0.0	-0.1	0.1	0.1	0.1	0.0	0.1	-0.1	0.0	0.0	-0.2	0.4	0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Feb	0.0	0.0	0.2	-0.1	0.3	0.0	0.3	-0.2	0.0	-0.1	-0.2	0.8	0.2	0.0	0.0	-0.4	-0.2	0.0	0.0	0.0	0.0	0.1	0.0
Mar	-0.1	0.0	0.2	-0.1	0.3	0.1	0.3	-0.1	-0.1	-0.5	-0.1	1.2	0.3	-0.1	0.1	-0.9	-0.3	0.0	0.0	0.0	0.0	0.2	0.0
Apr	-0.1	0.1	0.2	-0.2	0.1	0.6	0.4	-0.2	-0.1	-0.5	0.6	0.8	-0.1	-0.1	0.1	-0.8	-0.4	0.0	0.0	-0.1	0.4	0.0	-0.1
May	0.0	0.0	0.2	0.0	0.0	1.1	0.2	0.4	0.0	-0.4	1.1	0.2	-0.2	-0.2	0.1	-0.4	-0.3	-0.1	-0.1	0.0	0.9	0.0	-0.2
Jun	0.1	0.0	0.1	0.2	-0.1	1.5	0.1	0.4	0.2	0.3	1.5	-0.1	0.1	-0.1	0.1	0.5	-0.3	-0.2	0.0	0.0	1.3	0.0	-0.3
Jul	0.2	0.0	0.1	0.3	-0.1	1.4	-0.1	0.7	0.2	0.4	1.7	0.0	0.2	-0.1	0.0	0.6	-0.3	-0.2	-0.1	0.1	1.1	0.2	0.1
Aug	0.2	0.0	0.0	0.0	-0.2	1.0	-0.1	0.4	0.2	0.4	2.0	-0.1	0.5	-0.2	0.0	0.4	-0.3	0.0	0.0	0.2	1.3	0.3	0.3
Sep	0.1	0.0	-0.1	0.0	-0.1	0.6	-0.2	0.5	0.1	0.1	2.2	-0.2	0.3	-0.2	0.1	-0.1	0.0	0.2	0.0	0.0	1.3	0.3	0.5
Oct	0.1	0.0	0.0	-0.2	0.0	0.3	-0.1	0.3	0.2	0.1	1.3	-0.3	0.7	-0.3	0.2	0.1	0.3	0.3	0.0	-0.5	1.8	0.2	0.4
Nov	0.2	0.0	0.2	0.0	0.2	0.3	0.7	0.2	0.1	0.0	0.7	-0.2	0.4	-0.2	0.3	0.1	0.8	0.3	0.0	-1.0	1.9	0.1	0.1

Percentage change, latest 3 months on same 3 months a year ago ^{3,5}

2020 Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022 Jan	0.0	0.0	0.1	0.0	0.1	-0.1	0.1	0.0	0.0	-0.1	-0.3	0.9	0.2	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0
Feb	0.0	-0.1	0.2	-0.1	0.3	0.0	0.2	-0.2	0.0	-0.1	-0.2	1.8	0.2	-0.1	0.0	-0.4	-0.2	0.0	0.1	0.0	0.0	0.1	0.0
Mar	-0.1	-0.1	0.2	-0.2	0.3	0.1	0.4	-0.1	-0.2	-0.6	-0.2	2.7	0.2	-0.1	0.1	-0.9	-0.3	0.0	0.0	0.0	0.0	0.2	0.0
Apr	-0.1	0.0	0.3	-0.2	0.3	0.6	0.5	-0.2	-0.1	-0.6	0.4	2.4	0.1	-0.1	0.1	-1.0	-0.5	-0.1	0.0	-0.1	0.6	0.1	-0.1
May	0.0	0.0	0.3	0.0	0.2	1.0	0.4	0.3	-0.1	-0.5	0.9	1.8	0.1	-0.2	0.2	-0.8	-0.6	-0.2	0.0	-0.1	1.0	0.1	-0.1
Jun	0.1	0.0	0.3	0.0	0.2	1.5	0.4	0.3	0.0	-0.2	1.5	1.4	0.3	-0.3	0.2	-0.3	-0.8	-0.2	0.0	0.0	1.6	0.2	-0.2
Jul	0.2	0.0	0.4	0.1	0.1	1.7	0.3	0.6	0.1	-0.2	2.3	1.2	0.3	-0.3	0.2	-0.4	-0.8	-0.2	-0.1	0.1	2.0	0.3	0.0
Aug	0.2	0.0	0.3	-0.1	0.1	2.1	0.3	0.6	0.1	-0.2	3.2	1.0	0.5	-0.4	0.2	-0.4	-0.9	-0.2	-0.1	0.2	2.6	0.4	0.1
Sep	0.2	0.0	0.3	0.0	0.1	2.2	0.1	0.8	0.2	-0.1	3.8	0.9	0.7	-0.5	0.3	-0.4	-0.7	-0.1	-0.1	0.0	3.0	0.5	0.3
Oct	0.4	0.0	0.3	-0.1	0.1	2.2	0.2	0.9	0.3	-0.1	3.8	0.7	1.0	-0.5	0.4	-0.2	-0.5	0.0	-0.1	-0.4	3.8	0.5	0.5
Nov	0.4	0.0	0.6	0.0	0.3	2.5	0.9	0.9	0.2	-0.2	3.7	0.7	1.1	-0.5	0.5	-0.3	-0.1	0.2	-0.1	-0.7	4.4	0.4	0.3

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.

5 Revisions to periods highlighted in Grey are consistent with the First Estimate of GDP published on 10 February 2023

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

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction 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	
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	135	11	97	15	12	62	796	104	40	30	63	82	132	73	51	49	60	77	15	17	2

Percentage change, latest month on previous month ^{3,5}

2020	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
2021	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	Jan	0.1	-0.1	0.2	0.1	0.3	-0.2	0.3	0.0	-0.1	-0.6	1.2	0.5	-0.1	0.0	-0.3	-0.1	0.1	0.0	0.0	-0.2	0.3	0.0
	Feb	-0.1	0.1	0.0	-0.3	0.1	0.2	0.2	-0.5	-0.1	0.5	0.2	-0.4	0.0	0.1	-0.7	-0.4	0.0	0.1	0.0	0.1	-0.2	0.0
	Mar	-0.1	0.0	-0.1	0.0	-0.2	0.1	-0.1	0.7	-0.2	-0.9	0.4	-0.4	0.0	0.0	-0.5	0.2	-0.1	0.0	0.0	0.1	0.0	0.0
	Apr	0.2	0.0	0.2	0.1	0.1	1.1	0.1	-0.3	0.2	1.1	0.5	0.1	-0.2	-0.1	0.0	0.9	-0.2	-0.1	0.0	-0.1	1.1	0.1
	May	0.0	0.0	0.1	0.3	0.0	0.2	-0.2	0.7	0.0	0.5	0.1	0.1	0.0	0.0	0.3	-0.2	0.0	0.0	0.1	-0.2	0.0	0.4
	Jun	0.1	0.0	-0.1	-0.4	-0.1	0.1	0.0	-0.3	0.1	-0.1	0.4	-0.1	0.7	0.1	0.0	0.0	0.0	-0.1	0.1	0.6	0.2	-0.5
	Jul	0.1	0.0	0.0	0.3	-0.1	0.4	-0.1	0.5	0.0	0.1	1.5	0.0	-0.9	-0.1	0.0	0.1	0.1	0.0	0.1	0.6	0.0	0.8
	Aug	0.0	0.0	0.0	-0.2	-0.1	0.2	-0.1	0.1	0.1	0.4	-0.3	0.9	-0.2	0.1	0.2	-0.2	0.1	0.1	-0.1	0.5	0.2	0.0
	Sep	0.1	0.0	0.1	-0.2	0.2	-0.4	-0.2	0.0	0.1	-0.1	0.2	0.1	0.5	0.1	0.0	0.4	0.1	0.0	-0.3	0.3	-0.2	-0.5
	Oct	0.0	0.0	0.2	0.0	0.2	0.0	0.3	-0.1	0.0	-0.6	-0.2	-0.7	0.1	0.1	0.1	0.4	0.1	0.0	-0.6	1.6	0.0	0.9
	Nov	0.0	0.0	0.3	0.6	-0.1	1.1	1.9	-0.5	0.0	-0.1	0.7	-0.1	0.4	0.0	0.1	-0.2	0.3	0.1	0.0	0.2	-0.1	-0.9

Percentage change, latest month on same month a year ago ^{3,5}

2020	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
2021	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	Jan	0.0	-0.1	0.2	0.0	0.3	-0.1	0.3	0.0	-0.1	-0.8	2.8	0.5	0.0	0.0	-0.3	-0.1	0.0	0.0	0.0	-0.2	0.4	0.0
	Feb	-0.1	0.0	0.3	-0.3	0.3	0.1	0.4	-0.6	-0.1	-0.1	3.2	0.2	-0.1	0.2	-1.0	-0.7	0.0	0.0	0.0	0.0	0.2	0.0
	Mar	-0.1	0.0	0.1	-0.3	0.2	0.2	0.4	0.2	-0.3	0.3	2.3	0.1	-0.1	0.2	-1.5	-0.3	0.0	0.0	0.0	0.1	0.1	0.0
	Apr	0.0	0.0	0.4	-0.1	0.2	1.3	0.6	-0.1	-0.1	-0.2	0.9	0.0	-0.3	0.2	-0.5	-0.5	-0.2	0.0	-0.1	1.6	0.1	-0.5
	May	0.1	0.0	0.4	0.3	0.3	1.5	0.4	0.6	0.1	-0.2	1.6	1.4	0.0	-0.3	0.2	-0.2	-0.8	-0.2	0.0	1.2	0.1	0.0
	Jun	0.2	0.0	0.4	-0.2	0.1	1.7	0.3	0.3	0.1	-0.2	2.0	1.2	0.9	-0.3	0.2	-0.3	-0.9	-0.2	-0.1	1.8	0.4	-0.3
	Jul	0.2	0.0	0.3	0.1	0.0	2.1	0.3	0.9	0.1	-0.2	3.5	1.1	-0.1	-0.4	0.2	-0.5	-0.8	-0.2	-0.1	2.6	0.3	0.4
	Aug	0.3	0.0	0.3	0.0	0.0	2.4	0.2	0.7	0.2	0.9	3.9	0.7	0.8	-0.6	0.3	-1.0	-0.1	-0.1	0.0	3.1	0.7	0.4
	Sep	0.3	0.0	0.4	-0.2	0.1	2.0	0.1	0.8	0.3	-0.1	4.0	0.9	1.4	-0.5	0.5	-0.4	-0.5	0.0	-0.1	3.2	0.4	0.0
	Oct	0.3	0.0	0.5	-0.2	0.4	2.1	0.4	1.1	0.2	-0.1	3.2	0.6	0.7	-0.5	0.5	-0.2	0.0	0.1	0.0	5.0	0.5	0.8
	Nov	0.4	0.0	0.8	0.5	0.3	3.1	2.2	0.6	0.2	-0.3	3.7	0.6	1.1	-0.5	0.6	-0.4	0.3	0.2	-0.1	4.9	0.4	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.

5 Revisions to periods highlighted in Grey are consistent with the First Estimate of GDP published on 10 February 2023

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

CONTRIB 1

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

seasonally adjusted 2019=100

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

Contribution to growth, latest 3 months on previous 3 months

		EDMB	EDMC	EDMD	EDME	EDMF	EDMG	EDMH	EDMI	EDMJ	EDMK	EDML	EDMM	EDMN	EDMO	EDMP	EDMQ	EDMR	EDMS	EDMT	EDMU	EDMV	EDMW	EDMX
2020	Dec	1.41	0.00	0.64	-0.02	0.66	-0.03	0.03	0.32	0.45	-0.34	0.15	-0.80	0.10	0.15	0.04	0.34	0.21	-0.03	0.41	0.24	0.07	-0.08	0.00
	Jan	-0.86	0.00	0.38	0.00	0.34	0.01	0.03	0.08	-1.43	-0.67	0.04	-1.22	0.04	0.30	0.08	0.27	0.22	0.00	-0.61	0.22	0.04	-0.11	-0.02
2021	Feb	-0.99	0.01	0.17	0.00	0.06	0.06	0.05	-0.02	-1.21	-0.52	-0.04	-0.70	0.02	0.38	0.10	0.28	0.21	0.04	-1.26	0.20	0.07	-0.08	-0.03
	Mar	-1.19	0.01	0.00	-0.04	-0.07	0.08	0.03	0.06	-1.32	-0.45	-0.09	-0.46	0.07	0.31	0.09	0.23	0.11	0.06	-1.39	0.44	0.00	-0.25	-0.03
	Apr	1.84	0.02	-0.02	-0.09	0.00	0.06	0.02	0.28	1.60	0.40	0.00	0.11	0.14	0.19	-0.02	0.34	0.14	0.09	-0.31	0.74	0.01	-0.06	-0.02
	May	4.29	0.02	0.07	-0.10	0.13	0.07	0.01	0.35	3.95	0.85	0.06	0.53	0.23	0.08	-0.06	0.30	0.20	0.13	0.83	1.18	0.02	-0.02	-0.01
	Jun	6.18	0.02	0.04	-0.13	0.14	0.07	0.01	0.23	6.06	1.17	0.13	1.17	0.25	0.02	-0.07	0.26	0.23	0.18	1.49	1.49	0.11	0.11	0.03
	Jul	4.81	0.02	0.02	-0.06	0.05	0.04	0.02	0.02	4.90	0.60	0.11	1.28	0.17	-0.04	-0.05	0.18	0.24	0.16	1.09	1.47	0.15	-0.08	0.03
	Aug	3.11	0.03	-0.09	0.02	-0.06	-0.08	0.03	-0.09	3.39	0.17	0.16	1.08	0.11	-0.08	-0.05	0.20	0.20	0.11	0.53	1.17	0.14	-0.09	0.01
	Sep	1.72	0.03	-0.05	0.13	-0.09	-0.15	0.01	-0.09	1.92	-0.16	0.18	0.69	0.03	-0.05	-0.07	0.19	0.22	0.07	0.06	0.86	0.12	-0.03	-0.02
	Oct	1.53	0.02	-0.12	0.13	-0.11	-0.18	0.00	-0.05	1.76	-0.12	0.19	0.42	0.06	0.03	-0.05	0.15	0.25	0.04	-0.14	0.91	0.12	0.09	-0.03
	Nov	1.54	0.01	-0.15	0.06	-0.12	-0.11	0.00	0.02	1.74	-0.10	0.19	0.15	0.06	0.11	-0.03	0.15	0.31	0.04	-0.15	0.96	0.13	0.12	-0.01
	Dec	1.52	0.00	-0.18	-0.02	-0.12	-0.05	0.02	0.08	1.69	-0.13	0.18	-0.10	0.17	0.14	-0.01	0.12	0.34	0.04	-0.03	1.00	0.13	0.08	0.01
2022	Jan	1.42	0.00	-0.10	-0.06	-0.11	0.04	0.03	0.16	1.40	-0.21	0.18	-0.17	0.22	0.08	0.00	0.16	0.29	0.07	0.11	0.55	0.11	0.06	0.01
	Feb	0.91	0.00	-0.04	-0.02	-0.11	0.06	0.03	0.16	0.81	-0.27	0.12	-0.06	0.32	-0.03	-0.01	0.10	0.22	0.06	0.09	0.11	0.07	0.03	0.00
	Mar	0.54	0.00	-0.04	0.02	-0.12	0.06	0.01	0.17	0.41	-0.24	0.10	0.19	0.30	-0.12	-0.02	0.12	0.16	0.05	0.01	-0.39	0.06	0.02	-0.01
	Apr	0.10	0.01	-0.09	0.01	-0.12	0.02	0.01	0.12	0.06	-0.22	0.07	0.29	0.21	-0.12	-0.03	0.09	0.17	0.02	-0.04	-0.61	0.09	-0.03	-0.02
	May	0.29	0.01	-0.10	0.00	-0.10	0.00	0.00	0.15	0.24	-0.18	0.08	0.25	0.09	-0.07	0.00	0.16	0.15	0.01	0.00	-0.48	0.11	-0.03	-0.01
	Jun	0.21	0.01	-0.15	-0.02	-0.13	0.00	0.00	0.09	0.29	-0.11	0.04	0.16	0.03	0.01	0.03	0.15	0.10	0.01	0.06	-0.34	0.09	-0.04	0.00
	Jul	0.31	0.00	-0.19	-0.01	-0.16	0.00	-0.02	0.07	0.46	-0.09	0.04	0.10	0.03	0.03	0.04	0.15	0.04	0.02	0.09	-0.08	0.04	-0.02	0.01
	Aug	-0.10	0.00	-0.31	-0.02	-0.26	-0.01	-0.02	-0.01	0.27	-0.04	0.04	0.07	0.05	0.02	0.02	0.06	-0.01	0.03	0.11	-0.12	0.01	-0.02	0.00
	Sep	-0.16	0.00	-0.33	-0.01	-0.26	-0.02	-0.03	0.02	0.19	-0.08	0.09	-0.01	0.01	-0.03	0.01	0.04	0.03	0.05	0.10	0.02	-0.01	-0.03	0.00
	Oct	-0.28	0.00	-0.30	-0.04	-0.20	-0.04	-0.01	0.02	0.04	-0.04	0.07	-0.06	-0.04	-0.06	0.00	0.02	0.06	0.06	0.05	0.05	-0.01	-0.03	-0.01
	Nov	-0.13	-0.01	-0.14	-0.01	-0.08	-0.04	-0.01	0.03	0.01	-0.05	0.01	-0.05	-0.08	-0.07	0.00	-0.01	0.13	0.04	-0.01	0.17	-0.01	-0.02	0.00
	Dec	0.02	0.00	-0.03	-0.01	0.00	-0.02	0.01	0.02	0.04	0.04	-0.09	-0.01	-0.01	-0.05	0.00	-0.01	0.19	0.02	-0.10	0.09	-0.02	-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
2020	Dec	-8.63	-0.05	1.00	0.00	0.88	0.02	0.10	-0.32	-9.26	-1.61	-0.89	-1.32	-0.06	0.02	0.05	-0.47	-0.68	-0.32	-0.30	-2.93	-0.42	-0.29	-0.04
	Jan	-9.60	-0.04	0.82	-0.01	0.71	0.05	0.09	-0.36	-10.44	-1.94	-0.86	-1.62	-0.04	0.19	0.09	-0.42	-0.74	-0.25	-0.89	-4.33	-0.44	-0.35	-0.05
2021	Feb	-9.71	-0.04	0.68	-0.03	0.54	0.10	0.09	-0.34	-10.41	-1.77	-0.79	-1.65	-0.08	0.30	0.07	-0.27	-0.80	-0.19	-1.31	-4.35	-0.42	-0.34	-0.06
	Mar	-7.50	-0.03	0.77	-0.05	0.64	0.13	0.08	-0.15	-8.47	-1.30	-0.57	-1.50	-0.06	0.34	0.00	-0.13	-0.63	-0.15	-0.85	-3.88	-0.35	-0.39	-0.05
	Apr	3.95	0.01	1.85	-0.10	1.73	0.19	0.11	0.98	0.76	0.63	0.22	-0.44	0.16	0.49	-0.05	0.45	0.08	-0.11	0.83	-1.58	-0.10	-0.13	-0.02
	May	16.86	0.05	2.94	-0.14	2.77	0.28	0.15	2.08	11.52	2.33	0.98	1.07	0.51	0.62	-0.03	1.02	0.96	-0.04	2.79	1.40	0.29	0.09	0.04
	Jun	24.26	0.08	3.11	-0.24	3.03	0.31	0.17	2.68	18.27	2.79	1.38	2.31	0.78	0.67	0.04	1.45	1.36	0.06	3.69	4.04	0.54	0.26	0.08
	Jul	17.43	0.07	1.90	-0.22	1.90	0.20	0.14	1.71	13.75	1.32	0.93	1.93	0.61	0.49	0.03	1.27	1.04	0.15	2.83	3.76	0.47	-0.09	0.06
	Aug	11.45	0.07	0.96	-0.14	1.03	0.05	0.10	0.94	9.55	0.35	0.56	1.20	0.49	0.43	0.01	1.11	0.79	0.21	1.69	3.41	0.36	-0.20	0.02
	Sep	8.22	0.06	0.53	-0.04	0.56	-0.04	0.08	0.49	7.24	0.16	0.38	0.68	0.44	0.43	-0.02	1.03	0.78	0.27	0.63	3.21	0.32	-0.26	-0.03
	Oct	7.44	0.06	0.25	0.00	0.27	-0.08	0.08	0.32	6.96	0.21	0.36	0.64	0.42	0.48	-0.04	0.95	0.86	0.30	0.03	3.40	0.33	-0.16	-0.04
	Nov	8.10	0.06	-0.02	-0.02	0.00	-0.07	0.08	0.25	8.04	0.40	0.40	1.10	0.42	0.51	-0.05	0.93	0.95	0.33	-0.06	3.61	0.37	-0.07	-0.04
	Dec	8.34	0.06	-0.21	-0.05	-0.16	-0.06	0.08	0.28	8.48	0.39	0.43	1.32	0.52	0.43	-0.06	0.80	0.93	0.34	0.11	3.88	0.38	-0.10	-0.02
2022	Jan	9.91	0.06	-0.24	-0.07	-0.19	-0.05	0.07	0.42	9.96	0.70	0.51	1.69	0.62	0.27	-0.11	0.85	0.97	0.39	0.74	3.51	0.41	0.02	-0.01
	Feb	10.18	0.06	-0.24	-0.05	-0.18	-0.08	0.06	0.45	10.20	0.67	0.57	1.77	0.75	0.09	-0.15	0.77	1.00	0.38	1.26	3.26	0.39	0.05	0.00
	Mar	10.25	0.05	-0.25	-0.01	-0.22	-0.09	0.06	0.41	10.34	0.62	0.62	2.02	0.78	-0.01	-0.18	0.71	1.03	0.36	1.47	2.75	0.46	0.18	0.00
	Apr	8.04	0.05	-0.31	0.06	-0.33	-0.10	0.06	0.27	8.28	0.03	0.58	1.86	0.70	-0.06	-0.12	0.60	0.99	0.30	0.98	2.13	0.50	0.06	0.00
	May	5.96	0.05	-0.40	0.09	-0.40	-0.14	0.06	0.26	6.26	-0.40	0.57	1.45	0.60	-0.06	-0.09	0.62	0.93	0.24	0.45	1.58	0.47	0.03	-0.01
	Jun	4.05	0.04	-0.43	0.14	-0.46	-0.15	0.05	0.26	4.35	-0.67	0.51	0.96	0.53	-0.02	-0.07	0.59	0.84	0.17	0.10	0.95	0.42	0.02	-0.02
	Jul	3.40	0.03	-0.51	0.12	-0.52	-0.13	0.02	0.31	3.72	-0.66	0.49	0.65	0.54	0.02	-0.04	0.56	0.76	0.15	0.03	0.67	0.38	0.11	-0.02
	Aug	2.66	0.02	-0.62	0.04	-0.60	-0.06	0.01	0.33	3.07	-0.60	0.44	0.42	0.53	0.04	-0.02	0.47	0.69	0.15	0.06	0.37	0.34	0.09	-0.02
	Sep	2.12	0.01	-0.70	-0.05	-0.64	-0.01	0.01	0.36	2.59	-0.58	0.41	0.25	0.51	0.00	0.01	0.44	0.64	0.15	0.15	0.19	0.28	0.03	-0.01
	Oct	1.55	0.01	-0.69	-0.09	-0.61	0.02	0.00	0.38	1.98	-0.57	0.37	0.16	0.43	-0.07	0.01	0.42	0.57	0.16	0.22	-0.10	0.23	-0.01	0.00
	Nov	0.98	0.01	-0.60	-0.05	-0.56	0.01	0.00	0.34	1.33	-0.54	0.26	0.22	0.38	-0.15	0.01	0.31	0.49	0.15	0.19	-0.32	0.19	-0.04	-0.01
	Dec	0.61	0.01	-0.54	-0.03	-0.52	0.02	-0.01	0.29	0.93	-0.39	0.14	0.34	0.33	-0.19	0.01	0.30	0.48	0.13	0.07	-0.62	0.13	-0.06	-0.01

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

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

Contribution to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2020	Dec	1.79	0.01	0.11	0.06	-0.03	0.05	0.04	-0.10	1.77	0.21	0.04	0.29	-0.08	0.33	0.06	0.36	0.27	0.02	-0.19	0.00	0.15	0.30	-0.01
2021	Jan	-2.92	0.00	-0.21	-0.02	-0.23	0.05	0.00	-0.09	-2.67	-0.71	-0.20	-0.34	0.23	0.05	0.14	-0.26	-0.15	0.02	-1.34	0.23	-0.05	-0.36	-0.01
	Feb	0.66	0.01	0.05	-0.05	0.08	0.02	0.02	0.22	0.37	0.30	0.05	0.06	-0.12	0.00	-0.11	0.21	0.00	0.02	-0.09	0.11	-0.01	0.00	-0.01
	Mar	2.28	0.01	0.11	0.01	0.12	-0.03	0.01	0.19	2.00	0.33	0.09	-0.02	0.05	0.07	-0.01	0.35	0.23	0.01	0.70	0.46	-0.04	-0.03	-0.02
	Apr	3.12	0.00	-0.11	-0.12	0.01	0.05	-0.01	0.09	3.26	0.85	0.04	0.59	0.29	0.00	-0.03	-0.14	-0.01	0.11	0.86	0.50	0.07	0.30	0.02
	May	1.30	0.01	0.19	0.02	0.06	0.10	0.00	-0.06	1.16	-0.05	-0.05	0.64	-0.04	-0.03	-0.01	-0.01	0.08	0.06	0.17	0.66	0.09	-0.23	0.02
	Jun	1.03	0.01	-0.21	-0.06	-0.07	-0.10	0.03	-0.05	1.36	0.03	0.13	0.32	-0.03	-0.02	0.02	0.30	0.10	0.01	0.18	0.49	0.00	-0.06	0.01
	Jul	-0.18	0.01	0.02	0.10	-0.04	-0.07	0.01	-0.04	-0.18	-0.14	0.05	0.04	0.08	-0.06	-0.08	-0.10	0.07	0.02	-0.02	-0.12	0.04	0.02	-0.02
	Aug	0.86	0.01	0.07	0.11	-0.01	-0.06	-0.01	-0.02	0.82	-0.03	0.05	0.33	0.04	0.00	0.01	0.04	0.03	0.01	-0.10	0.42	0.07	0.04	-0.02
	Sep	0.60	0.00	-0.13	-0.02	-0.05	-0.03	-0.02	0.03	0.74	-0.03	0.09	0.03	-0.15	0.08	-0.01	0.20	0.13	0.03	-0.09	0.44	0.03	0.08	0.00
	Oct	0.13	0.00	-0.13	-0.03	-0.07	-0.07	0.04	-0.02	0.31	0.04	0.00	-0.16	0.23	0.05	-0.02	-0.16	0.16	-0.03	-0.08	0.33	0.04	-0.01	0.00
	Nov	0.99	0.00	0.03	-0.02	-0.02	0.08	0.00	0.10	0.87	-0.10	0.14	-0.01	0.00	0.04	0.01	0.17	0.11	0.06	0.19	0.18	0.07	0.03	0.01
	Dec	0.13	0.00	0.00	-0.01	0.00	0.01	0.01	0.05	0.07	-0.24	0.01	-0.18	0.06	0.01	0.01	0.04	0.04	0.02	0.03	0.34	0.01	0.00	0.01
2022	Jan	0.18	0.00	-0.01	0.04	-0.08	0.03	0.01	0.08	0.11	0.13	0.01	0.17	0.23	-0.09	-0.01	-0.02	0.03	0.01	-0.04	-0.46	-0.01	0.04	0.00
	Feb	-0.09	0.00	-0.05	0.00	-0.05	0.00	0.00	-0.01	-0.02	-0.15	0.02	0.21	0.09	-0.05	-0.05	0.04	0.11	0.00	-0.03	-0.29	0.03	-0.04	-0.01
	Mar	0.05	0.00	-0.02	0.01	0.00	-0.02	0.00	0.10	-0.05	-0.20	0.07	0.02	-0.09	-0.02	0.01	0.08	0.01	0.00	-0.02	0.03	0.07	-0.01	-0.01
	Apr	0.00	0.00	-0.06	-0.02	-0.07	0.02	0.02	-0.01	0.08	0.17	-0.02	0.04	0.02	0.02	0.03	-0.02	0.06	0.00	0.07	-0.42	0.06	-0.02	0.00
	May	0.73	0.00	0.00	0.01	0.02	0.00	-0.03	0.10	0.65	-0.11	0.03	0.03	0.07	0.02	0.02	0.20	0.07	0.00	0.02	0.35	-0.03	0.01	0.00
	Jun	-0.84	0.00	-0.16	-0.02	-0.15	-0.01	0.02	-0.12	-0.54	-0.07	-0.05	0.07	-0.05	0.00	-0.01	-0.10	-0.16	0.01	0.02	-0.24	0.00	-0.01	0.01
	Jul	0.36	0.00	-0.09	0.04	-0.09	-0.01	-0.03	0.06	0.40	0.06	0.09	-0.01	0.02	-0.01	0.01	0.01	0.10	0.02	0.08	0.00	0.05	0.00	-0.01
	Aug	0.04	0.00	-0.19	-0.07	-0.11	-0.01	0.01	0.02	0.24	0.02	0.04	-0.06	0.10	-0.01	0.00	0.07	0.05	0.03	0.02	0.08	-0.04	-0.03	-0.01
	Sep	-0.68	0.00	0.00	0.01	-0.02	0.00	0.01	-0.02	-0.68	-0.21	-0.02	-0.03	-0.21	-0.04	-0.01	-0.06	-0.06	0.02	-0.04	0.04	-0.04	0.01	0.00
	Oct	0.55	0.00	0.02	0.00	0.08	-0.04	-0.02	0.04	0.50	0.20	0.00	0.01	0.01	-0.02	0.02	0.02	0.12	0.00	-0.01	0.09	0.09	0.00	0.00
	Nov	0.15	0.00	0.01	0.03	-0.05	0.01	0.02	-0.03	0.17	-0.01	-0.07	0.05	0.14	-0.01	-0.02	-0.05	0.13	0.00	-0.02	0.05	-0.03	0.00	0.00
	Dec	-0.55	0.00	0.04	-0.04	0.00	0.08	0.01	0.00	-0.61	-0.04	-0.11	-0.03	-0.01	0.02	0.00	0.06	0.02	0.00	-0.17	-0.25	-0.12	-0.03	0.00

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

		EDLE	EDLF	EDLG	EDLH	EDLI	EDLJ	EDLK	EDLL	EDLM	EDLN	EDLO	EDLP	EDLQ	EDLR	EDLS	EDLT	EDLU	EDLV	EDLW	EDLX	EDLY	EDLZ	EDMA
2020	Dec	-8.07	-0.03	1.15	0.04	0.94	0.05	0.12	-0.39	-8.80	-1.48	-0.76	-1.46	-0.19	0.25	0.11	-0.26	-0.61	-0.23	-0.51	-3.03	-0.39	-0.18	-0.05
2021	Jan	-11.06	-0.05	0.55	-0.03	0.39	0.13	0.08	-0.45	-11.52	-2.17	-0.91	-1.78	0.08	0.36	0.15	-0.43	-0.89	-0.19	-1.76	-4.40	-0.43	-0.41	-0.06
	Feb	-9.99	-0.04	0.50	-0.09	0.40	0.14	0.08	-0.22	-10.63	-1.52	-0.69	-1.77	-0.13	0.30	-0.04	-0.12	-0.90	-0.15	-1.59	-4.31	-0.43	-0.43	-0.06
	Mar	-0.97	0.00	1.31	-0.03	1.18	0.11	0.08	0.25	-2.85	-0.12	-0.06	-0.90	-0.14	0.36	-0.12	0.19	-0.06	-0.13	0.92	-2.88	-0.18	-0.34	-0.03
	Apr	29.13	0.09	4.38	-0.22	4.24	0.34	0.20	3.54	20.81	4.50	1.81	1.96	0.92	0.91	0.01	1.55	1.61	-0.04	3.99	3.75	0.46	0.55	0.06
	May	26.81	0.08	3.55	-0.21	3.30	0.42	0.19	2.91	20.12	3.24	1.47	2.64	0.90	0.65	0.03	1.54	1.59	0.08	3.92	4.37	0.69	0.19	0.09
	Jun	17.60	0.07	1.58	-0.29	1.70	0.18	0.12	1.71	14.31	0.86	0.93	2.32	0.55	0.47	0.07	1.30	0.93	0.13	3.21	4.00	0.48	0.08	0.09
	Jul	9.25	0.07	0.78	-0.16	0.88	0.03	0.11	0.69	7.78	0.11	0.46	0.96	0.41	0.38	-0.02	1.02	0.68	0.22	1.54	3.01	0.28	-0.48	0.01
	Aug	7.99	0.07	0.58	0.02	0.56	-0.05	0.07	0.48	6.95	0.13	0.34	0.41	0.53	0.45	-0.01	1.04	0.76	0.27	0.44	3.25	0.34	-0.19	-0.04
	Sep	7.45	0.06	0.23	0.01	0.24	-0.09	0.07	0.31	7.01	0.25	0.36	0.68	0.38	0.45	-0.03	1.03	0.89	0.32	-0.08	3.36	0.34	-0.13	-0.05
Oct	6.90	0.06	-0.05	-0.04	0.02	-0.11	0.09	0.18	6.92	0.25	0.38	0.81	0.37	0.55	-0.07	0.78	0.93	0.29	-0.25	3.58	0.30	-0.16	-0.04	
Nov	9.98	0.06	-0.24	-0.03	-0.26	-0.02	0.09	0.26	10.23	0.72	0.47	1.83	0.53	0.53	-0.04	0.99	1.05	0.37	0.17	3.88	0.49	0.08	-0.02	
Dec	8.18	0.05	-0.33	-0.09	-0.23	-0.05	0.06	0.41	8.33	0.22	0.43	1.32	0.66	0.21	-0.08	0.65	0.82	0.36	0.41	4.18	0.34	-0.21	0.00	
2022	Jan	11.63	0.06	-0.14	-0.05	-0.09	-0.08	0.07	0.60	11.41	1.14	0.65	1.92	0.69	0.06	-0.23	0.92	1.04	0.39	1.68	3.19	0.40	0.20	0.00
	Feb	10.80	0.05	-0.24	0.02	-0.22	-0.10	0.05	0.36	10.94	0.66	0.62	2.08	0.91	0.00	-0.17	0.75	1.14	0.36	1.72	2.76	0.44	0.16	0.00
	Mar	8.37	0.05	-0.36	0.01	-0.34	-0.09	0.05	0.28	8.69	0.08	0.59	2.06	0.74	-0.10	-0.14	0.48	0.90	0.34	1.01	2.31	0.54	0.17	0.01
	Apr	5.09	0.05	-0.31	0.14	-0.41	-0.12	0.08	0.18	5.37	-0.61	0.52	1.47	0.47	-0.07	-0.07	0.58	0.95	0.22	0.25	1.36	0.51	-0.15	-0.01
	May	4.51	0.04	-0.51	0.11	-0.45	-0.22	0.04	0.34	4.82	-0.66	0.60	0.84	0.58	-0.02	-0.05	0.79	0.93	0.16	0.10	1.11	0.37	0.09	-0.02
	Jun	2.57	0.03	-0.45	0.17	-0.53	-0.13	0.03	0.25	2.88	-0.75	0.41	0.58	0.55	0.01	-0.08	0.39	0.66	0.15	-0.05	0.40	0.37	0.13	-0.03
	Jul	3.12	0.02	-0.57	0.08	-0.58	-0.06	-0.01	0.35	3.47	-0.55	0.46	0.54	0.49	0.05	0.02	0.50	0.69	0.14	0.05	0.51	0.38	0.11	-0.02
	Aug	2.29	0.01	-0.83	-0.14	-0.68	0.00	0.00	0.39	2.88	-0.50	0.45	0.14	0.55	0.04	0.00	0.53	0.71	0.16	0.17	0.21	0.27	0.03	0.00
	Sep	0.98	0.01	-0.70	-0.09	-0.65	0.02	0.03	0.34	1.44	-0.68	0.33	0.09	0.48	-0.09	0.00	0.27	0.51	0.15	0.21	-0.15	0.19	-0.04	0.00
	Oct	1.40	0.01	-0.54	-0.06	-0.50	0.05	-0.03	0.40	1.63	-0.53	0.33	0.26	0.27	-0.16	0.04	0.45	0.47	0.18	0.28	-0.35	0.24	-0.03	0.00
	Nov	0.56	0.01	-0.56	-0.01	-0.52	-0.02	0.00	0.27	0.93	-0.43	0.11	0.31	0.40	-0.21	0.01	0.22	0.49	0.12	0.07	-0.46	0.14	-0.06	-0.01
	Dec	-0.12	0.00	-0.52	-0.03	-0.53	0.04	0.00	0.22	0.24	-0.21	-0.01	0.46	0.33	-0.20	-0.01	0.24	0.48	0.09	-0.13	-1.02	0.01	-0.09	-0.02