

Statistical bulletin

# **GDP** monthly estimate, UK : February 2022

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



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### 1. Main points

- Gross domestic product (GDP) grew by 0.1% in February 2022, following 0.8% growth in January 2022.
- Services grew by 0.2% and was the main contributor to February's growth in GDP; this was partially offset by production, which fell by 0.6% and construction, which fell by 0.1%.
- The services growth in February 2022 was mainly driven by tourism-related industries with increases in both travel agency, tour operator and other reservation service and related activities (growing 33.1% on the month), and accommodation (growing 23% on the month).
- Output in consumer-facing services grew by 0.7% in February 2022, following 2.0% growth in January (revised up from 1.7%); non-consumer facing services remained level on the month following 0.5% growth in January (revised down from 0.6%).
- Monthly GDP is now 1.5% above its pre-coronavirus (COVID-19) pandemic level (February 2020).
- Services is now 2.1% above its pre-coronavirus level, while construction is 1.1% above and production is 1.9% below. Within services, consumer-facing services are now 5.2% below their pre-coronavirus levels, while all other services are 4.0% above.

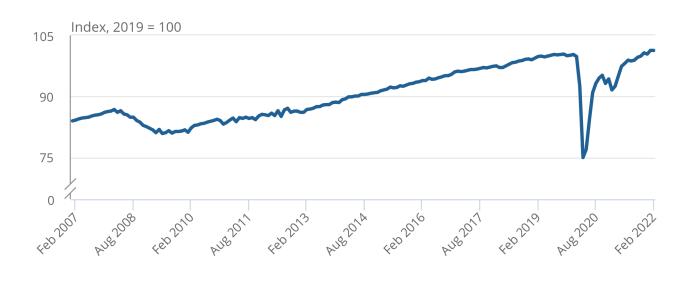
### 2. Monthly GDP

Monthly real gross domestic product (GDP) is estimated to have grown by 0.1% in February 2022 and is now 1.5% above its pre-coronavirus level (February 2020) (Figure 1). This release includes revisions to the monthly data back to January 2020, consistent with the <u>Quarterly National Accounts</u> published on 31 March 2022. For more information, see <u>Section 7: Revisions to monthly GDP section</u>.

# Figure 1: UK monthly GDP is estimated to have grown by 0.1% in February 2022, and is now 1.5% above its pre-coronavirus pandemic level (February 2020)

### Monthly index, January 2007 to February 2022, UK

Figure 1: UK monthly GDP is estimated to have grown by 0.1% in February 2022, and is now 1.5% above its pre-coronavirus pandemic level (February 2020)



Monthly index, January 2007 to February 2022, UK

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

Services grew by 0.2% and was the main contributor to February's growth in GDP (Figure 2). This was partially offset by production, which fell by 0.6% and construction which fell by 0.1%.

### Figure 2: Services were the main contributor to GDP's 0.1% rise in February 2022

#### Contributions to monthly GDP growth, February 2021 to February 2022, UK

### Figure 2: Services were the main contributor to GDP's 0.1% rise in February 2022





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

#### Notes:

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

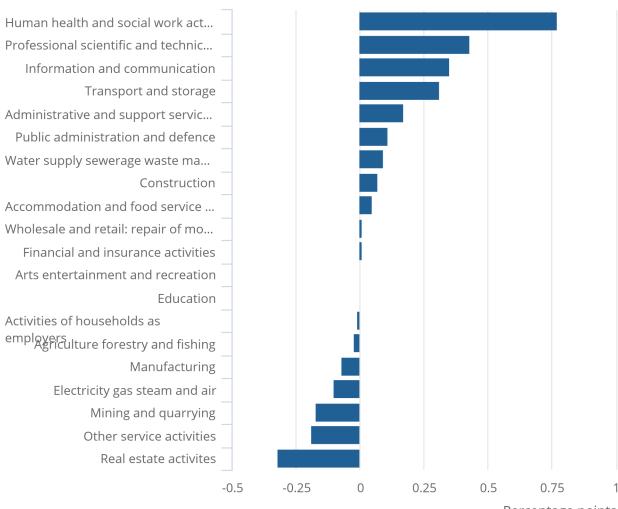
Monthly gross domestic product in February 2022 was 1.5% above its pre-coronavirus (COVID-19) pandemic level. The main contributor to the recovery from February 2020 to February 2022 was human health and social work activities followed by professional, scientific and technical activities and information and communication. The largest drivers of negative growth between February 2020 and February 2022 were real estate activities and other service activities (Figure 3).

# Figure 3: Human health and social work activities was the main driver to monthly GDP being at 1.5% above pre-coronavirus levels (February 2020) in February 2022

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

### Figure 3: Human health and social work activities was the main driver to monthly GDP being at 1.5% above pre-coronavirus levels (February 2020) in February 2022

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



Percentage points

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

Notes:

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

GDP grew by 1.0% in the three months to February 2022. Services was the main contributor in the three months to February, contributing 0.7 percentage points, while production and construction both contributed 0.1 percentage points each.

### More about economy, business and jobs

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

### 3. The services sector

Services output grew by 0.2% in February 2022 which followed 0.8% growth in January 2022. Services output is now 2.1% above its pre-coronavirus (COVID-19) pandemic level (February 2020). In February 2022, 8 of the 14 service sectors were above their pre-coronavirus levels, with the largest contribution from human health and social work activities (growing 9.8% from February 2020).

Accommodation and food service activities grew by 8.6% in February 2022 and was the main contributor to February's growth in services (Figure 4). Within this sector, the main driver was accommodation, which grew by 23%. This partly reflected a bounce back following weakness in both January and December because of the impact of the Omicron variant of coronavirus (COVID-19). In particular, there was strength seen in hotels and camping grounds. February 2022 saw this sub-sector's first positive growth since August 2021.

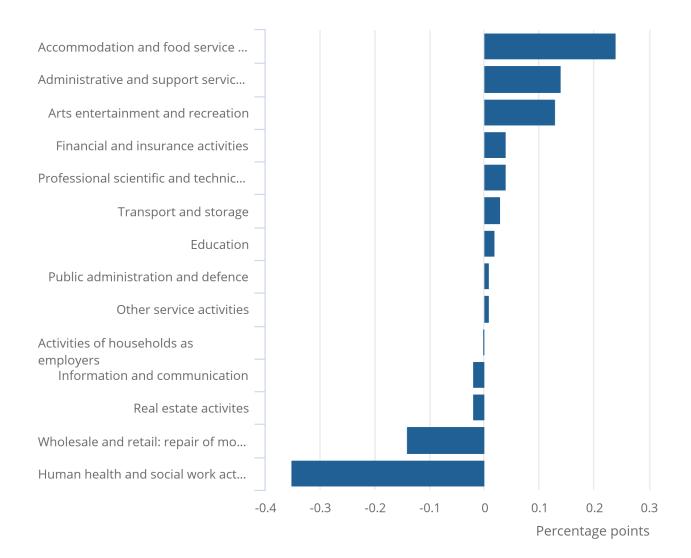
Administrative and support service activities was the second largest contributor to the growth in services, which grew by 2.7%. Within this sector, travel agency, tour operator and other reservation service and related activities was the main driver in this sector, growing by 33.1% with a reduction in COVID-19 restrictions having a positive effect on the tourism industry. This sector saw widespread positive growth in five of six sub-sectors, partially offset by security and investigation activities which fell by 3.1%.

# Figure 4: Accommodation and food service activities was the main contributor in services output for February 2022

### Monthly services contributions to GDP, February 2022, UK

Figure 4: Accommodation and food service activities was the main contributor in services output for February 2022

Monthly services contributions to GDP, February 2022, UK



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

#### Notes:

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

The largest negative contributor to services growth in February 2022 was human health and social work activities (down 3.8%). Human health activities (down 5.1%) was the main driver of this fall, largely reflecting a fall back from high levels in NHS Test and Trace and vaccination activity in December and January. Elsewhere in this sector, there was widespread downward contributions from all other areas of human health and social work activities, including residential care activities, and social work activities without accommodation. Human health was also notably revised down in January 2022, driven mainly by new hospital activity data, for example in-year, non-elective surgery.

### NHS Test and Trace services and vaccine programmes

The <u>NHS Test and Trace and COVID-19 vaccination programme</u> detracted 1.1 percentage points from gross domestic product (GDP) growth in February 2022. This was driven by large falls in both NHS Test and Trace (falling 47%) and the vaccination programmes (falling 65%), as shown in Table 1. It is important to note, though, that this follows particularly high levels of activity in December and January reflecting the vaccination booster campaign and high rates of infection from Omicron.

Table 1: Volume estimates of NHS Test and Trace, and vaccination programmes decreased in February 2022 January 2022 to February 2022

| Jan-22        | £3,370m | £290m | £3,660m |
|---------------|---------|-------|---------|
| Feb-22        | £1,790m | £100m | £1,890m |
| Monthly growt | h -47%  | -65%  | -48%    |

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

### Notes

- 1. Data are chain volumes in £ millions unless labelled otherwise.
- 2. Growth rates are percentage movements calculated from the unrounded data.
- 3. These figures are rounded to the nearest £10 million, and the total may not sum because of rounding.
- 4. The data collected to estimate volumes cover England, however, the impact of these services is scaled to account for UK-level volumes.

A full record of the volume estimates of NHS Test and Trace, and vaccination programmes along with their contribution to GDP growth can be found in the <u>accompanying dataset</u>.

### **Consumer facing services**

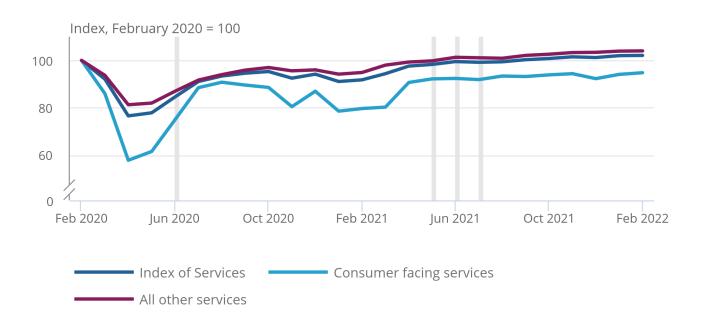
Output in consumer-facing services grew by 0.7% in February 2022, following a 2.0% (revised up from 1.7%) growth in January. The February increase was mainly driven by 33.1% growth in travel agency, tour operator and other reservation service and related activities, following a growth of 1.4% in January 2022. This was partially offset by wholesale and retail trade and repair of motor vehicles and motorcycles, the largest negative contributor in consumer-facing services.

Consumer-facing services were 5.2% below their pre-coronavirus levels (February 2020) in February 2022, while all other services were 4.0% above.

### Figure 5: Output in consumer-facing services grew by 0.7% in February 2022 and remains 5.2% below precoronavirus levels (February 2020)

### Monthly Index of Services, February 2020 to February 2022, UK

### Figure 5: Output in consumer-facing services grew by 0.7% in February 2022 and remains 5.2% below pre-coronavirus levels (February 2020)



Monthly Index of Services, February 2020 to February 2022, UK

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

### Notes:

- 1. Consumer-facing services refer to retail trade, food and beverage serving activities, travel and transport, and entertainment and recreation (Standard Industrial Classification 2007 codes 45, 47, 49.1to 2, 56, 68.1 to 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.

Consumer-facing services were 5.2% below their pre-coronavirus levels (February 2020) in February 2022. The main driver of this industry remaining below pre-coronavirus levels was buying and selling, renting and operating of own or leased real estate (excluding imputed rent) contributing negative 3.03 percentage points (Figure 6).

### Figure 6: Consumer-facing services remains 5.2% below pre-coronavirus levels (February 2020)

#### Monthly consumer facing services contributions, February 2020 to February 2022, UK

### Figure 6: Consumer-facing services remains 5.2% below precoronavirus levels (February 2020)

Monthly consumer facing services contributions, February 2020 to February 2022, UK



Percentage points

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

Notes:

1. Consumer-facing services refer to retail trade, food and beverage serving activities, travel and transport, and entertainment and recreation (Standard Industrial Classification 2007 codes 45, 47, 49.1to 2, 56, 68.1 to 2, 75, 79, 92, 93, 94, 96 and 97).

Overall, services grew by 0.8% in the three months to February 2022 compared with the previous three months (September to November 2021), with positive growth seen in 9 of the 14 services sectors.

More detailed breakdowns on services are available in the Index of Services, UK: February 2022

### 4. The production sector

Production output fell by 0.6% in February 2022, with negative growth in all four sub-sectors (Figure 7). This follows growth of 0.7% in January 2022.

Manufacturing was the main driver of negative growth, falling by 0.4% in February 2022. Contractions of 5.4% in manufacture of transport equipment (driven entirely by the fall in manufacture of cars), 4.3% in manufacture of computer, electronic and optical products, and 5.0% in manufacture of chemicals and chemical products were slightly offset by manufacture of basic pharmaceutical products and pharmaceutical preparations, which saw growth of 9.8%.

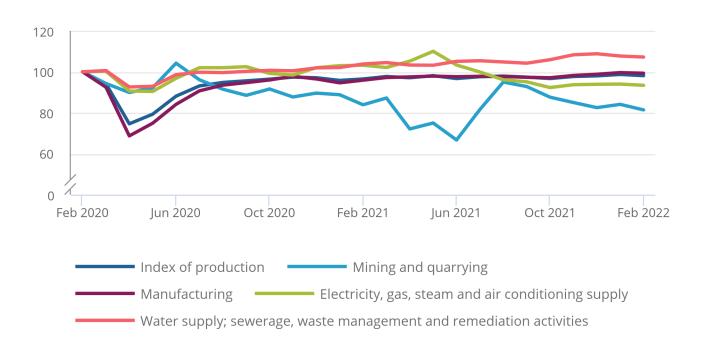
Electricity, gas, steam and air conditioning supply fell by 0.6% in February 2022, with electric power generation, transmission and distribution decreasing by 1.0%. Mining and quarrying fell by 3.2%, driven by falls in extraction of crude petroleum and natural gas (2.2%) and other mining and quarrying (10.9%). Water supply and sewerage decreased by 0.4%, with a recovery in sewerage (up 4.4%) not fully offsetting falls of 4.1% in waste collection, treatment and disposal activities, and 1.9% in water collection, treatment and supply.

### Figure 7: Production output fell by 0.6% in February 2022, with negative growth in all four sub-sectors

### Monthly index, February 2020 to February 2022, UK

Figure 7: Production output fell by 0.6% in February 2022, with negative growth in all four sub-sectors

Monthly index, February 2020 to February 2022, UK



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

Notes:

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

Overall, production increased by 1.0% in the three months to February 2022, with growths of 1.7% in manufacturing, 0.1% in electricity, gas, steam and air conditioning supply, and 1.7% in water supply and sewerage. This was partially offset by a decrease of 6.6% in mining and quarrying.

More detailed breakdowns on production are available in the Index of Production, UK: February 2022.

### 5. The construction sector

Construction output decreased 0.1% in February 2022 following an upwardly revised increase (by 0.5 percentage points) of 1.6% in January 2022.

Construction output was 1.1% above its pre-coronavirus (COVID-19) pandemic level (February 2020) in February 2022 (Figure 8).

The small decrease in monthly construction output in February 2022 was driven solely by a decrease in repair and maintenance (0.5%), while new work saw a small rise, increasing 0.1%.

At the sector level, six of the nine sectors saw a decline on the month in February 2022, with infrastructure new work the main contributor to the fall, decreasing 2.5% in February 2022. After performing strongly in the initial recovery from the pandemic, infrastructure new work has seen six monthly falls in growth in the last seven months.

These falls were partially offset by rises in public other new work and public housing repair and maintenance, which grew 10.5% and 3.6%, respectively.

Anecdotal evidence received from the <u>Monthly Business Survey - Construction and allied trades</u> suggested the <u>storms experienced between 16 and 21 February, 2022 (PDF, 116KB)</u> resulted in projects being delayed as more working days were lost on sites and premises than normal for this time of the year. Some businesses, mainly smaller firms, also responded that sourcing construction products continued to be a challenge, however demand continued to be strong. This is illustrated with <u>new orders in the construction industry</u> growing 9.2% in Quarter 4 (Oct to Dec) 2021 compared with Quarter 3 (July to Sept) 2021 and all sectors recovering to above their precoronavirus level.

### Figure 8: Construction output decreased 0.1% in February 2022 and is now 1.1% above its precoronavirus level (February 2020)

Monthly index, UK, February 2020 to February 2022, chained volume measure, seasonally adjusted, Great Britain

# Figure 8: Construction output decreased 0.1% in February 2022 and is now 1.1% above its pre-coronavirus level (February 2020)

Monthly index, UK, February 2020 to February 2022, chained volume measure, seasonally adjusted, Great Britain



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

#### Notes:

- 1. Indexes are rounded to one decimal place.
- 2. Construction indexes in this release may differ slightly, because of rounding, to those published in Construction output in Great Britain: February 2022.

Construction output rose by 2.4% in the three months to February 2022 compared with the previous three months (September to November 2021). This is the strongest growth in the three-month on three-month series since June 2021 (4.0%).

Increases in both new work and repair and maintenance (2.2% and 2.6%, respectively) contributed to the growth. At the type of work level, seven of the nine sectors saw an increase, with the largest contributions coming from private new housing and non-housing repair and maintenance (5.1% and 4.4% respectively).

Further detail on construction growth rates can be found in Construction output in Great Britain: February 2022.

### 6. Cross-industry themes

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

Some businesses referenced the impact of storms Dudley, Eunice and Franklin, which all hit the UK between 16 and 21 February. Most of those reporting a negative impact were in service industries with comments received from businesses operating in areas including accountancy, leisure parks and holiday centres, photography, hairdressing and beauty, leasing of construction equipment, restaurants and takeaways, and marquee hire. However, some businesses reported a positive impact on turnover such as those working in fencing, torch sales, and temporary off-grid power.

### 7. Revisions to monthly gross domestic product

This release gives data for February 2022 for the first time. It incorporates revisions to monthly data from January 2020 to December 2021, as published in the <u>Quarterly National Accounts</u> release on 31 March 2022. January 2022 is also open to revision, taking on updated survey data and seasonal adjustment reviews. Table 2 shows the revisions to monthly gross domestic product (GDP) and its sectors for October 2021 to January 2022, since the last monthly publication on 11 March 2022.

Table 2: Revision to month-on-month growth for GDP and its sectors Percentage points, October 2021 to January 2022

### Oct-21 Nov-21 Dec-21 Jan-22

| GDP          | 0.2          | 0.1  | 0    | 0   |
|--------------|--------------|------|------|-----|
| Services     | 0.1          | 0.1  | 0.1  | 0   |
| Production   | 0.1          | 0.3  | 0.1  | 0   |
| Construction | <b>n</b> 0.6 | -0.5 | -1.3 | 0.5 |

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

### Notes

1. The full monthly path of revisions back to January 2020 is available in our monthly gross domestic product by gross value added dataset.

The next monthly GDP release, on 12 May 2022, will see revisions to January and February 2022 in line with the <u>National Accounts Revision Policy</u>. These revisions will be consistent with the first quarterly estimate of GDP release published on the same day, which will cover the period up to Quarter 1 (Jan to Mar) 2022.

### 8. Monthly GDP data

Monthly gross domestic product by gross value added

Dataset | Released 11 April 2022

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

#### Contributions to monthly GDP

Dataset | Released 11 April 2022

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

Monthly gross domestic product: time series

Dataset MGDP | Released 11 April 2022 Monthly estimate of gross domestic product (GDP) containing constant price gross value added (GVA) data for the UK.

Monthly GDP and main sectors to four decimal places

Dataset | Released 11 April 2022 Monthly index values for monthly gross domestic product (GDP) and the main sectors in the UK to four decimal places.

#### Revisions triangles for monthly GDP

Dataset | Released 11 April 2022 Comparison of gross domestic product (GDP) first estimates against estimates published later.

### 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.

For further definitions, please see the <u>Glossary of economic terms</u>.

### 10. Measuring the data

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

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

- <u>Construction output in Great Britain: February 2022</u>
- Index of Production, UK: February 2022
- Index of Services, UK: February 2022

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

In the UK, we produce estimates of monthly and quarterly GDP. However, there are reasons 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 coronavirus pandemic has brought many <u>measurement challenges</u> 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 <u>Measuring monthly and quarterly UK gross domestic product during the coronavirus (COVID-19)</u> pandemic.

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

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

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

### 11. Strengths and limitations

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

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

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

### **Communicating gross domestic product**

Recent analysis explains our latest position on how we are looking to communicate GDP, including how we will continue to acknowledge that "technical" recessions comprised at least two consecutive quarters of contracting GDP. While it is still true that these early estimates are prone to revision, we prefer to focus on the magnitude of the contraction that has taken place following the coronavirus pandemic. It is clear that the contraction in GDP in Quarter 2 (Apr to June) 2020 was the largest recession on record.

### **Consultation on ONS release times**

The Office for Statistics Regulation (OSR) has finalised its <u>consultation on release practices</u>. The ONS has welcomed the findings in a <u>statement on the ONS's response to the OSR's proposals</u>, specifically noting that the release-time exemptions, which were granted during the pandemic, are now incorporated into the revised Code of Practice. As such, the monthly GDP release will continue to be published at 7am.

### 12. Related links

#### Construction output in Great Britain: February 2022

Bulletin | Released 11 April 2022

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

### Index of Production, UK: February 2022

Bulletin | Released 11 April 2022

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

#### Index of Services, UK: February 2022

Bulletin | Released 11 April 2022 Monthly movements in output for the services industries.

#### GDP quarterly national accounts, UK: October to December 2021

Bulletin | Released 31 March 2022

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

### Coronavirus and the effects on GDP

Article | Released 6 May 2020

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

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

Article | Released 11 November 2021

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

**GVA1** Monthly GDP based on GVA (Gross Value Added) <sup>1</sup> Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

| GVA1               | Monthly GDP bas<br>Chained volume i |                           |                  |              | 2,3,4,5       |                        |                              |                           |               |  |               |                                      | easonally adjuste  | d 2019=100                 |             |  |  |            |                |                            |                        |               |   |
|--------------------|-------------------------------------|---------------------------|------------------|--------------|---------------|------------------------|------------------------------|---------------------------|---------------|--|---------------|--------------------------------------|--------------------|----------------------------|-------------|--|--|------------|----------------|----------------------------|------------------------|---------------|---|
|                    |                                     |                           |                  |              |               |                        |                              |                           |               | Wholesale                                  |               | Industry sectio                      | ns (SIC2007)       |                            |             |  |  |            |                |                            |                        |               | Activities of                                   |
|                    | Total<br>GVA at<br>basic            | Agriculture, forestry and | Total production | Mining &     |               | Electricity gas, steam | Water<br>supply,<br>sewerage | 6                         | Total service | and retail:<br>repair of<br>motor vehicles | Transport     | Accommodation<br>and food<br>service | Information<br>and | Financial<br>and insurance | Real estate | Professional,<br>scientific<br>and technical | Administrative<br>and support a<br>service | and        |                | Human health<br>and social | Arts,<br>entertainment | Other service | households<br>as employers,<br>undifferentiated |
| Section            | prices                              | fishing                   | industries       | quarrying    | Manufacturing | and air                | etc                          | Construction <sup>6</sup> | industries    | and motorcycles                            | and storage   | activities                           | Communication      | activities                 | activities  | activities                                   | activities                                 | defence    | Education      | work activities            | and recreation         | activities    | goods and services                              |
|                    | A-T                                 | A                         | B-E              | B            | C             | D                      | E                            | F                         | G-T           | G  | H             | I                                    | J                  | K                          | L           | M  | N  | O          | P              | Q                          | R                      | S             | T   |
| 2019 weights       | 1000                                | 7                         | 137              | 11           | 99            | 15                     | 12                           | 64                        | 792           | 105  | 40            | 29                                   | 62                 | 82                         | 131         | 74   | 51   | 48         | 59             | 76                         | 16                     | 17            | 2   |
|                    | YBFR                                | L2KL                      | L2KQ             | L2KR         | L2KX          | L2MW                   | L2N2                         | L2N8                      | L2NC          | L2NE                                       | L2NI          | L2NQ                                 | L2NT               | L2O6                       | L2OC        | L2OI   | L2OX                                       | L2P8       | L2PA           | L2PC                       | L2PJ                   | L2PP          | L2PT  |
| 2017               | 96.7                                | 96.8                      | 93.3             | 94.0         | 93.3          | 86.9                   | 100.0                        | 102.2                     | 96.9          | 101.6                                      | 95.0          | 97.8                                 | 82.1               | 102.2                      | 97.2        | 99.8   | 99.6                                       | 95.6       | 90.5           | 100.6                      | 98.1                   | 97.3          | 86.6  |
| 2018               | 98.2                                | 86.3                      | 96.6             | 98.7         | 97.0          | 88.6                   | 100.5                        | 100.2                     | 98.5          | 100.2                                      | 98.2          | 96.7                                 | 93.0               | 101.6                      | 98.8        | 100.4  | 98.8                                       | 96.6       | 95.1           | 99.2                       | 98.5                   | 100.7         | 94.0  |
| 2019               | 100.0                               | 100.0                     | 100.0            | 100.0        | 100.0         | 100.0                  | 100.0                        | 100.0                     | 100.0         | 100.0                                      | 100.0         | 100.0                                | 100.0              | 100.0                      | 100.0       | 100.0  | 100.0                                      | 100.0      | 100.0          | 100.0                      | 100.0                  | 100.0         | 100.0   |
| 2020               | 90.8                                | 90.2                      | 91.6             | 80.6         | 91.1          | 97.7                   | 98.2                         | 83.9                      | 91.3          | 92.3                                       | 83.3          | 57.8                                 | 94.5               | 96.9                       | 99.1        | 93.5   | 81.7                                       | 102.3      | 84.1           | 94.3                       | 73.6                   | 80.9          | 75.7  |
| 2021               | 97.6                                | 93.8                      | 96.3             | 71.5         | 97.7          | 98.8                   | 104.1                        | 94.7                      | 98.2          | 99.6                                       | 91.2          | 79.2                                 | 99.7               | 98.6                       | 98.8        | 101.9  | 89.4                                       | 104.0      | 93.2           | 113.0                      | 88.8                   | 80.6          |   |
|                    | ECY2                                | ECY3                      | ECY4             | ECY5         | ECY6          | ECY7                   | ECY8                         | ECY9                      | ECYC          | ECYD                                       | ECYG          | ECYH                                 | ECYI               | ECYJ                       | ECYK        | ECYL   | ECYP                                       | ECYQ       | ECYR           | ECYS                       | ECYT                   | ECYU          | ECYV  |
| 2020 Feb           | 99.8                                | 100.9                     | 99.0             | 85.9         | 100.4         | 99.0                   | 99.2                         | 96.9                      | 100.2         | 98.7                                       | 97.4          | 102.8                                | 99.5               | 99.0                       | 100.5       | 101.2  | 99.5                                       | 101.8      | 98.2           | 104.1                      | 101.6                  | 99.9          | 99.5  |
| Mar                | 92.5                                | 95.6                      | 93.2             | 81.0         | 92.9          | 99.2                   | 99.7                         | 92.0                      | 92.3          | 88.5                                       | 85.8          | 69.2                                 | 98.7               | 97.7                       | 100.3       | 99.3   | 88.7                                       | 101.9      | 71.3           | 94.6                       | 82.5                   | 88.4          | 73.6  |
| Apr                | 75.0                                | 83.9                      | 73.9             | 77.3         | 69.0          | 89.6                   | 91.8                         | 53.5                      | 76.8          | 63.6                                       | 64.7          | 9.5                                  | 89.5               | 92.5                       | 98.3        | 83.7   | 65.8                                       | 102.0      | 51.9           | 76.5                       | 53.3                   | 60.2          | 49.2  |
| May                | 77.0                                | 84.8                      | 78.5             | 79.2         | 75.1          | 89.4                   | 92.1                         | 59.3                      | 78.1          | 72.0                                       | 67.7          | 11.0                                 | 87.4               | 93.4                       | 97.8        | 82.9   | 65.5                                       | 102.1      | 53.8           | 77.8                       | 48.1                   | 62.2          | 42.4  |
| Jun                | 84.3                                | 86.4                      | 87.2             | 89.5         | 84.4          | 95.8                   | 97.8                         | 71.7                      | 84.8          | 92.2                                       | 75.9          | 23.5                                 | 91.1               | 94.6                       | 98.0        | 88.5   | 75.9                                       | 102.3      | 61.5           | 85.2                       | 58.3                   | 62.6          | 49.8  |
| Jul                | 90.9                                | 87.5                      | 92.2             | 82.6         | 91.0          | 101.0                  | 99.0                         | 84.4                      | 91.3          | 99.5                                       | 80.4          | 59.6                                 | 95.1               | 95.8                       | 98.5        | 90.5   | 78.3                                       | 102.5      | 80.8           | 93.1                       | 68.9                   | 91.9          | 69.0  |
| Aug                | 93.2                                | 88.6                      | 93.8             | 78.6         | 93.8          | 101.0                  | 98.8                         | 87.0                      | 93.6          | 100.0                                      | 82.2          | 86.3                                 | 94.1               | 96.5                       | 98.8        | 90.7   | 79.0                                       | 102.7      | 94.2           | 95.3                       | 70.5                   | 81.8          | 85.8  |
| Sep                | 94.5                                | 89.1                      | 94.6             | 76.0         | 95.0          | 101.4                  | 99.3                         | 89.9                      | 94.8          | 99.5                                       | 84.5          | 75.5                                 | 93.9               | 98.0                       | 99.0        | 94.8   | 80.4                                       | 102.7      | 100.1          | 99.8                       | 74.1                   | 80.3          | 89.5  |
| Oct                | 95.2                                | 87.7                      | 95.5             | 78.7         | 96.3          | 98.2                   | 99.8                         | 91.6                      | 95.5          | 100.7                                      | 85.4          | 66.2                                 | 97.2               | 98.8                       | 99.1        | 96.3   | 82.6                                       | 102.7      | 101.2          | 101.2                      | 76.5                   | 76.2          | 83.7  |
| Nov                | 93.2                                | 87.0                      | 96.5             | 75.4         | 98.2          | 97.4                   | 99.6                         | 92.2                      | 92.7          | 94.8                                       | 86.3          | 39.0                                 | 95.6               | 98.4                       | 98.9        | 94.9   | 80.7                                       | 102.6      | 98.3           | 100.4                      | 69.4                   | 71.7          | 78.8  |
| Dec                | 94.3                                | 87.1                      | 96.1             | 77.0         | 96.8          | 100.9                  | 101.0                        | 90.8                      | 94.4          | 97.5                                       | 88.4          | 48.3                                 | 94.1               | 98.7                       | 99.2        | 98.4   | 83.1                                       | 103.0      | 95.6           | 99.3                       | 77.1                   | 95.4          | 81.2  |
| 2021 Jan           | 91.6                                | 88.5                      | 94.8             | 76.4         | 95.0          | 101.9                  | 101.2                        | 89.1                      | 91.3          | 89.9                                       | 83.5          | 38.5                                 | 96.9               | 99.4                       | 100.1       | 95.1   | 82.1                                       | 103.4      | 76.6           | 102.6                      | 75.5                   | 75.0          | 84.3  |
| Feb                | 92.5                                | 89.8                      | 95.6             | 72.1         | 96.2          | 102.1                  | 102.9                        | 92.3                      | 92.0          | 92.4                                       | 84.3          | 40.2                                 | 95.4               | 100.6                      | 99.3        | 97.5   | 82.1                                       | 103.7      | 75.4           | 104.8                      | 77.2                   | 75.2          | 84.6  |
| Mar                | 95.0                                | 90.9                      | 96.7             | 75.0         | 97.5          | 101.0                  | 103.6                        | 96.0                      | 94.6          | 94.5                                       | 86.8          | 39.6                                 | 96.8               | 100.4                      | 99.2        | 102.2  | 85.8                                       | 104.1      | 84.7           | 113.5                      | 75.7                   | 75.5          | 78.2  |
| Apr                | 97.4                                | 90.8                      | 96.1             | 61.9         | 97.8          | 104.1                  | 102.4                        | 96.4                      | 97.8          | 104.3                                      | 86.9          | 58.9                                 | 100.3              | 99.3                       | 99.0        | 99.0   | 85.7                                       | 104.1      | 96.1           | 112.9                      | 80.5                   | 93.7          | 89.8  |
| May                | 98.1                                | 91.9                      | 97.1             | 64.5         | 98.3          | 108.8                  | 102.3                        | 96.3                      | 98.5          | 104.2                                      | 86.3          | 81.2                                 | 100.0              | 97.6                       | 98.7        | 99.1   | 87.0                                       | 103.9      | 98.4           | 114.3                      | 85.9                   | 79.0          | 85.2  |
| Jun                | 98.9                                | 93.8                      | 95.8             | 57.3         | 97.9          | 102.2                  | 104.2                        | 95.7                      | 99.7          | 103.7                                      | 89.1          | 92.0                                 | 100.1              | 97.7                       | 99.1        | 103.0  | 89.0                                       | 103.8      | 101.3          | 115.1                      | 86.2                   | 75.3          | 80.3  |
| Jul                | 98.7                                | 95.5                      | 96.6             | 70.1         | 98.2          | 98.9                   | 104.5                        | 94.8                      | 99.5          | 102.2                                      | 90.7          | 93.8                                 | 100.8              | 97.9                       | 98.4        | 100.6  | 89.9                                       | 103.9      | 100.9          | 113.8                      | 89.7                   | 77.0          | 76.9  |
| Aug                | 98.9                                | 96.9                      | 96.9             | 81.7         | 98.0          | 95.1                   | 103.9                        | 94.0                      | 99.6          | 101.2                                      | 92.5          | 105.7                                | 101.4              | 98.0                       | 98.7        | 100.9  | 89.8                                       | 104.1      | 98.6           | 110.0                      | 94.8                   | 79.5          | 74.5  |
| Sep                | 99.6                                | 96.9                      | 96.4             | 79.8         | 97.7          | 94.1                   | 103.3                        | 95.4                      | 100.5         | 100.2                                      | 94.6          | 106.1                                | 99.4               | 98.3                       | 98.7        | 105.4  | 92.2                                       | 104.3      | 96.0           | 115.3                      | 97.8                   | 83.8          | 79.4  |
| Oct                | 99.9                                | 97.0                      | 95.7             | 75.3         | 97.5          | 91.4                   | 105.0                        | 94.5                      | 101.1         | 102.0                                      | 96.8          | 100.8                                | 101.8              | 97.8                       | 98.3        | 104.3  | 95.7                                       | 104.2      | 95.9           | 116.9                      | 100.6                  | 83.3          | 81.8  |
| Nov                | 100.7                               | 96.9                      | 96.7             | 73.1         | 98.5          | 92.7                   | 107.4                        | 95.9                      | 101.8         | 102.1                                      | 100.8         | 100.7                                | 101.6              | 97.8                       | 98.2        | 107.1  | 96.6                                       | 104.2      | 97.2           | 117.2                      | 101.7                  | 84.7          | 84.6  |
| Dec                | 100.4                               | 96.7                      | 97.0             | 70.9         | 99.2          | 92.9                   | 107.9                        | 96.5                      | 101.4         | 98.5                                       | 101.7         | 93.0                                 | 101.6              | 97.7                       | 98.3        | 108.7  | 97.0                                       | 103.8      | 97.1           | 119.4                      | 100.2                  | 85.3          | 87.0  |
| 2022 Jan           | 101.3                               | 97.2                      | 97.7             | 72.3         | 100.0         | 93.0                   | 106.8                        | 98.0                      | 102.2         | 100.3                                      | 104.3         | 96.4                                 | 105.4              | 98.6                       | 98.2        | 106.4  | 100.2                                      | 104.0      | 97.7           | 118.8                      | 93.5                   | 88.4          | 90.4  |
| Feb                | 101.3                               | 97.6                      | 97.1             | 70.0         | 99.7          | 92.4                   | 106.3                        | 97.9                      | 102.3         | 98.9                                       | 105.1         | 104.7                                | 105.1              | 99.1                       | 98.1        | 106.9  | 103.0                                      | 104.1      | 98.1           | 114.2                      | 101.4                  | 88.8          | 92.8  |
| Percentage change  | , latest year on pre<br>GDPQ        | vious year<br>L3BB        | L3BG             | L3BH         | L3BN          | L3DM                   | L3DQ                         | L3DW                      | L3E2          | L3E4                                       | L3E8          | L3EG                                 | L3EJ               | L3EU                       | L3F2        | L3F8   | L3FN                                       | L3FW       | L3FY           | L3G2                       | L3G9                   | L3GF          | L3GJ  |
| 2017               | 2.2                                 | 5.9                       | 0.1              | -8.8         | 1.4           | -5.2                   | 0.9                          | 3.8                       | 2.4           | 2.2  | 1.7           | 4.7                                  | 4.6                | 3.4                        | -0.2        | 1.6  | 4.8  | 3.3        | 0.0            | 3.0                        | 6.2                    | 5.8           | -1.5  |
| 2018               | 1.6                                 | -10.9                     | 3.5              | 5.0          | 3.9           | 2.0                    | 0.5                          | -2.0                      | 1.6           | -1.4                                       | 3.4           | -1.1                                 | 13.2               | -0.5                       | 1.7         | 0.6  | -0.8                                       | 1.1        | 5.1            | -1.4                       | 0.5                    | 3.5           | 8.6   |
| 2019               | 1.8                                 | 15.9                      | 3.6              | 1.3          | 3.1           | 12.9                   | -0.5                         | -0.1                      | 1.6           | -0.2                                       | 1.9           | 3.4                                  | 7.5                | -1.6                       | 1.2         | -0.4   | 1.2  | 3.5        | 5.2            | 0.8                        | 1.5                    | -0.6          | 6.4   |
| 2020               | -9.2                                | -9.8                      | -8.4             | -19.4        | -8.9          | -2.2                   | -1.8                         | -16.1                     | -8.7          | -7.7                                       | -16.7         | -42.2                                |                    | -3.1                       | -0.9        | -6.5   | -18.3                                      | 2.3        | -16.0          | -5.7                       | -26.4                  | -19.1         | -24.3   |
| 2021               | 7.5                                 | 4.0                       | 5.1              | -11.3        | 7.2           | 1.0                    | 6.0                          | 12.9                      | 7.5           | 8.0  | 9.5           | 37.2                                 | 5.5                | 1.7                        | -0.2        | 9.0  | 9.4  | 1.6        | 10.9           | 19.9                       | 20.7                   | -0.3          | 8.6   |
| Percentage change, | latest 3 months on<br>ED3H          | previous 3 mor<br>ED3I    | ths<br>ED3J      | ED3K         | ED3L          | ED3M                   | ED3N                         | ED3O                      | ED3P          | ED3Q                                       | ED3R          | ED3S                                 | ED3T               | ED3U                       | ED3V        | ED3W   | ED3X                                       | ED3Y       | ED3Z           | ED42                       | ED43                   | ED44          | ED9R  |
| 2020 Feb           | -0.2                                | -6.4                      | -0.8             | -6.1         | 0.0           | -2.8                   | 0.1                          | -0.3                      | 0.0           | -0.6                                       | -1.2          | 2.6                                  | -1.4               | -1.1                       | 0.2         | -0.2   | 0.4  | 0.6        | -0.4           | 2.2                        | 2.7                    | -1.4          | 2.8   |
| Mar<br>Apr         | -2.7<br>-11.0                       | -7.4<br>-11.7             | -2.5<br>-10.4    | -3.6<br>-5.4 | -2.2<br>-12.2 | -5.2<br>-7.2           | 0.6<br>-2.6                  | -1.9<br>-17.2             | -2.7<br>-10.7 | -3.8<br>-16.0                              | -5.8<br>-17.6 | -9.2<br>-40.5                        | -1.2<br>-3.0       | -1.1<br>-2.7               | 0.2<br>-0.6 | -0.8<br>-6.1                                 | -4.1<br>-16.0                              | 0.5<br>0.6 | -11.4<br>-27.8 | 0.3<br>-9.7                | -5.2<br>-22.7          | -6.2<br>-18.3 | -9.4<br>-29.2<br>-46.8                          |
| May                | -18.6                               | -14.5                     | -17.2            | -7.3         | -20.9         | -8.1                   | -5.0                         | -29.9                     | -18.0         | -24.8                                      | -26.8         | -70.8                                | -7.2               | -4.5                       | -1.6        | -12.3  | -27.0                                      | 0.4        | -41.5          | -19.2                      | -40.1                  | -30.2         | -49.3   |
| Jun                | -19.3                               | -15.1                     | -17.7            | -2.5         | -22.0         | -7.9                   | -5.8                         | -35.6                     | -18.3         | -20.8                                      | -26.6         | -83.9                                | -9.5               | -5.1                       | -2.4        | -15.3  | -28.4                                      | 0.4        | -38.3          | -20.8                      | -44.3                  | -35.7         |   |
| Jul                | -5.6                                | -7.8                      | -3.1             | 2.9          | -4.4          | -0.5                   | -0.6                         | -11.1                     | -5.7          | 5.1  | -9.7          | -48.1                                | -4.9               | -1.9                       | -1.6        | -7.8   | -13.5                                      | 0.4        | -11.4          | -6.9                       | -26.1                  | -12.8         | -27.5   |
| Aug                | 9.8                                 | -0.7                      | 11.2             | 5.6          | 13.6          | 7.0                    | 4.2                          | 18.7                      | 9.1           | 30.1                                       | 9.3           | 89.0                                 | 1.7                | 1.1                        | -0.4        | 1.5  | 6.0  | 0.5        | 33.6           | 9.9                        | 7.5                    | 12.1          | 23.8  |
| Sep                | 17.9                                | 4.0                       | 17.1             | -3.6         | 22.5          | 10.4                   | 5.4                          | 41.6                      | 16.7          | 31.2                                       | 18.6          | 403.3                                | 5.6                | 3.5                        | 0.8         | 8.2  | 14.8                                       | 0.5        | 64.6           | 20.3                       | 33.7                   | 37.3          | 72.8  |
| Oct                | 12.1                                | 2.6                       | 10.1             | -7.2         | 13.8          | 5.0                    | 3.1                          | 24.7                      | 11.7          | 13.9                                       | 12.5          | 142.2                                | 4.2                | 3.3                        | 0.9         | 7.6  | 10.2                                       | 0.4        | 50.7           | 15.7                       | 26.1                   | 10.0          | 60.6  |
| Nov                | 5.4                                 | 0.5                       | 4.9              | -8.2         | 7.5           | -0.3                   | 1.1                          | 12.6                      | 5.0           | 1.1  | 7.4           | 6.6                                  | 2.3                | 2.9                        | 0.6         | 6.1  | 4.5  | 0.2        | 26.7           | 10.2                       | 11.3                   | -3.4          | 23.1  |
| Dec                | 1.5                                 | -1.2                      | 2.6              | -2.6         | 4.1           | -2.3                   | 1.1                          | 5.1                       | 1.0           | -2.0                                       | 5.2           | -30.7                                | 1.3                | 1.9                        | 0.3         | 4.9  | 3.6  | 0.1        | 7.3            | 4.4                        | 4.5                    | -4.2          | -0.3  |
| 2021 Jan           | -1.3                                | -1.0                      | 1.2              | -2.0         | 1.7           | -0.1                   | 1.4                          | 1.3                       | -1.9          | -6.0                                       | 2.4           | -44.8                                | 0.5                | 1.1                        | 0.4         | 2.3  | 1.6  | 0.3        | -8.5           | 2.0                        | 0.4                    | 1.6           | -5.7  |
| Feb                | -1.5                                | 0.6                       | 0.0              | -2.0         | -0.5          | 2.7                    | 2.2                          | -0.6                      | -1.9          | -5.1                                       | 0.0           | -29.7                                | -0.1               | 1.2                        | 0.5         | 1.7  | 1.5  | 0.7        | -17.4          | 1.7                        | 4.4                    | 7.6           | -0.7  |
| Mar                | -1.3                                | 2.8                       | -0.3             | -3.3         | -0.9          | 2.9                    | 2.4                          | 1.0                       | -1.6          | -5.5                                       | -2.1          | -22.9                                | 0.8                | 1.5                        | 0.5         | 1.8  | 1.5  | 1.0        | -19.8          | 6.7                        | 2.4                    | -7.3          | 1.4   |
| Apr                | 2.1                                 | 3.4                       | 0.3              | -8.6         | 0.5           | 2.4                    | 2.3                          | 4.6                       | 2.2           | 3.2  | 0.0           | 10.2                                 | 2.1                | 1.3                        | -0.2        | 3.6  | 3.2  | 1.0        | -5.3           | 9.6                        | 5.1                    | 0.9           | 3.4   |
| May                | 4.3                                 | 3.1                       | 1.2              | -10.7        | 1.9           | 3.0                    | 1.0                          | 6.0                       | 4.8           | 8.3  | 1.5           | 41.4                                 | 3.7                | -0.5                       | -0.6        | 3.2  | 4.5  | 0.6        | 12.7           | 11.1                       | 5.3                    | 1.0           | 1.2   |
| Jun                | 5.5                                 | 2.7                       | 0.7              | -17.8        | 1.8           | 3.3                    | 0.4                          | 4.0                       | 6.5           | 12.8                                       | 3.0           | 96.2                                 | 3.9                | -2.0                       | -0.6        | 2.2  | 4.7  | 0.2        | 24.9           | 6.7                        | 10.6                   | 9.9           | 3.3   |
| Jul                | 3.8                                 | 3.6                       | 0.4              | -8.2         | 1.0           | 0.9                    | 0.7                          | 0.8                       | 4.7           | 6.5  | 3.1           | 92.5                                 | 2.9                | -2.4                       | -0.5        | 1.3  | 4.9  | -0.1       | 17.4           | 3.6                        | 12.2                   | -5.4          | -4.0  |
| Aug                | 2.1                                 | 4.6                       | -0.2             | 3.8          | 0.2           | -5.7                   | 1.4                          | -1.4                      | 2.7           | 1.4  | 4.8           | 62.2                                 | 1.7                | -1.2                       | -0.2        | 1.4  | 3.9  | -0.1       | 7.7            | -0.5                       | 11.8                   | -6.6          | -8.4  |
| Sep                | 0.9                                 | 4.6                       | 0.3              | 26.0         | 0.0           | -8.6                   | 0.9                          | -1.5                      | 1.2           | -2.7                                       | 5.9           | 31.6                                 | 0.4                | -0.1                       | -0.3        | 1.9  | 3.9  | 0.2        | -0.1           | -1.0                       | 11.7                   | -3.1          | -9.6  |
| Oct                | 0.9                                 | 3.4                       | -0.1             | 23.4         | -0.4          | -9.5                   | 0.4                          | -1.0                      | 1.2           | -2.1                                       | 6.7           | 17.1                                 | 0.5                | 0.3                        | -0.2        | 2.6  | 4.4  | 0.3        | -3.4           | -0.3                       | 12.0                   | 6.6           | -2.8  |
| Nov                | 1.2                                 | 1.6                       | -0.2             | 9.1          | -0.1          | -6.1                   | 1.0                          | 0.4                       | 1.5           | -0.9                                       | 7.3           | 5.5                                  | 0.2                | 0.1                        | -0.3        | 4.0  | 5.9  | 0.3        | -3.8           | 3.1                        | 10.9                   | 8.6           | 6.1   |
| Dec                | 1.3                                 | 0.5                       | -0.2             | -5.3         | 0.4           | -3.8                   | 2.7                          | 1.0                       | 1.5           | -0.4                                       | 7.7           | -3.6                                 | 1.1                | -0.3                       | -0.3        | 4.3  | 6.4  | 0.0        | -1.8           | 4.3                        | 7.2                    | 5.4           | 9.8   |
| 2022 Jan           | 1.3                                 | 0.0                       | 0.8              | -8.7         | 1.5           | -0.7                   | 3.1                          | 2.3                       | 1.4           | -0.8                                       | 8.1           | -7.2                                 | 2.0                | 0.0                        | -0.3        | 3.7  | 5.8  | -0.2       | 0.5            | 3.9                        | 0.7                    | 4.8           | 11.1  |
| Feb                | 1.0                                 | 0.2                       | 1.0              | -6.6         | 1.7           | 0.1                    | 1.7                          | 2.4                       | 0.8           | -2.2                                       | 6.5           | -4.4                                 | 3.0                | 0.5                        | -0.2        | 1.6  | 5.5  | -0.3       | 1.3            | 0.8                        | -1.7                   | 4.3           | 9.9   |
|                    |                                     |                           |                  |              |               |                        |                              |                           |               |  |               |                                      |                    |                            |             |  |  |            |                |                            |                        |               |   |

 1 The GVA output is designated as a National Statistic.
 Sources: For further information on these data please telephone

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

 3 Estimates cannot be regarded as accurate to the last digit shown.
 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.
 Construction Output in Great Britain releases, due to rounding differences. For the most accurate figure, please refer to the Construction Output release.

## **GVA2** Monthly GDP based on GVA (Gross Value Added) <sup>1</sup> Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

|                 |   |   |  |  |  |  |  |  |  |   |  | ns (SIC2007)   |   |   |  |   |   |   |   |   |  |  |
|-----------------|---|---|--|--|--|--|--|--|--|---|--|--|---|---|--|---|---|---|---|---|--|--|
| Total           |   |   |  |  |  | Water  |  |  | Wholesale<br>and retail:   |   | Accommodation  |  |   |   | Professional,  | Administrative  | Public  |   |   |   |  | Activities o<br>household  |
| GVA at          | Agriculture,  | Total   |  |  | Electricity  | supply,  |  | Total  | repair of  |   | and food   | Information  | Financial   |   | scientific   |   |   |   | Human health  | Arts,   | Other  | as employer  |
| basic           | forestry and  | production  | Mining &   |  |  | sewerage   | Construction 6   | service  | motor vehicles   | Transport   | service  | and  | and insurance   |   | and technical  | service   | and   | Education   | and social  | entertainment   | service  | undifferentiated<br>goods and services   |
| A-T             | A   | B-E   | quarrying<br>B   | C  | and an<br>D  | E  | F  |  | G  | 5   | activities   | J  | K   | L   | M  | N   | O   | P   | Q   | R   | S  | goods and services   |
| 1000            | 7   | 137   | 11   | 99   | 15   | 12   | 64   | 792  | 105  | 40  | 29   | 62   | 82  | 131   | 74   | 51  | 48  | 59  | 76  | 16  | 17   | 2  |
| t 3 months on s | 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   | EDH  |
| 0.7             | 15.6  | -1.8  | -33.0  | 0.6  | 8.5  | 0.1  | -2.7   | 1.3  | -0.5   | -0.5  | 3.7  | 0.5  | -1.5  | 0.9   | 1.9  | 1.7   | 3.4   | 3.1   | 3.9   | 2.5   | 2.8  | 3.9  |
| -2.2            | 10.2  | -4.4  | -30.6  | -3.0   | 5.5  | 0.2  | -4.8   | -1.7   | -4.4   | -5.1  | -8.1   | -0.1   | -1.6  | 0.7   | 1.6  | -3.3  | 2.9   | -7.9  | 1.6   | -4.1  | -2.6   | -5.7   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -25.4  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -45.0<br>-52.9   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -46.0  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -31.0  |
| -7.4            | -16.5   | -6.0  | -16.2  | -6.5   | 1.1  | -1.3   | -12.2  | -7.1   | -0.4   | -17.8   | -26.3  | -6.4   | -3.9  | -1.3  | -8.7   | -21.2   | 2.3   | -8.6  | -4.4  | -28.9   | -15.9  | -17.4  |
| -6.0            | -18.8   | -5.0  | -16.2  | -4.9   | -1.2   | -0.6   | -8.7   | -5.8   | -0.2   | -16.3   | -23.7  | -5.7   | -3.0  | -1.2  | -7.3   | -19.4   | 2.0   | -2.1  | -1.7  | -26.1   | -21.8  | -12.8  |
| -6.0            | -20.1   | -4.2  | -15.7  | -3.4   | -4.8   | 0.2  | -6.5   | -6.1   | -1.7   | -15.1   | -39.7  | -4.8   | -1.7  | -1.2  | -5.8   | -18.9   | 1.7   | -1.4  | 0.0   | -26.4   | -25.4  | -16.5  |
|                 |   | -3.4  |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -20.9  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -22.2  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -19.4  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -11.5<br>13.6  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 53.2   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 80.6   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 50.4   |
|                 | 9.0   |   |  |  |  | 5.8  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 13.3   |
| 6.7             | 9.1   | 3.3   | -2.4   | 5.0  | -5.0   | 5.0  | 8.7  | 7.1  | 1.6  | 12.4  | 38.0   | 6.5  | 1.3   | -0.2  | 11.2   | 14.3  | 1.4   | 7.4   | 17.7  | 32.2  | -5.4   | -5.5   |
| 5.5             | 9.6   | 1.8   | 1.5  | 2.8  | -6.7   | 4.8  | 5.7  | 6.1  | 1.1  | 12.7  | 37.1   | 6.1  | 0.3   | -0.4  | 10.2   | 14.7  | 1.5   | -1.7  | 15.5  | 32.6  | 3.5  | -9.0   |
| 6.1             | 10.2  | 0.8   | -0.8   | 1.4  | -6.3   | 5.7  | 4.4  | 7.2  | 3.2  | 14.1  | 70.3   | 5.6  |   | -0.6  | 10.7   | 16.7  | 1.5   | -3.5  | 15.9  | 36.4  | 10.3   | -2.4   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   | 4.1  | 4.0  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 7.3<br>8.1   |
|                 |   | 1.5   | -0.0   | 5.0  | -0.7   | 0.2  | 7.4  | 10.2   | 0.4  | 21.5  | 101.4  | 0.5  | -1.1  | -1.5  | 10.0   | 21.4  | 0.0   | 10.5  | 14.5  | 20.4  | 0.5  | 0.1  |
|                 |   | ECV7  | EC72   | EC74   | EC7C   | EC7D   | ECZE   | EC7G   | EC7K   | EC7N  | EC7T   | ECZU   | ED2G  | ED2H  | ED2I   | ED2 I   | ED2K  | ED2I  | ED2M  | ED2N  | ED2O   | ED2P   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  |  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -6.1<br>-26.1  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -33.2  |
| 2.7             | 1.0   | 6.3   |  | 9.0  |  | 0.3  | 10.8   | 1.7  | 13.3   | 4.5   | 15.8   |  | 1.0   | -0.4  | -1.0   | -0.3  | 0.1   | 3.7   | 1.7   | -9.7  |  | -13.7  |
| 9.5             | 1.9   | 11.1  | 13.0   | 12.3   | 7.2  | 6.2  | 21.0   | 8.6  | 28.0   | 12.1  | 114.0  | 4.2  | 1.2   | 0.1   | 6.8  | 15.8  | 0.2   | 14.3  | 9.4   | 21.2  | 0.8  | 17.3   |
| 7.9             | 1.2   | 5.7   | -7.8   | 7.9  | 5.4  | 1.2  | 17.7   | 7.7  | 7.9  | 6.0   | 153.6  | 4.4  | 1.3   | 0.6   | 2.3  | 3.2   | 0.2   | 31.4  | 9.2   | 18.1  | 46.7   | 38.7   |
| 2.5             | 1.3   | 1.8   | -4.8   | 3.1  | 0.0  | -0.3   | 3.0  | 2.5  | 0.5  |   | 44.7   | -1.1   |   |   |  |   |   | 16.6  | 2.4   | 2.3   | -11.0  | 24.3   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 4.3  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -6.5   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -5.8   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 3.1<br>3.8   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 0.4  |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -7.6   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | 14.8   |
|                 |   |   |  |  |  |  | ••••   |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -5.1   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -5.7   |
|                 |   |   | 22.3   |  |  |  |  |  |  |   |  |  | 0.2   |   |  |   |   |   |   |   |  | -4.2   |
|                 |   |   |  |  |  |  |  |  |  |   |  |  |   |   |  |   |   |   |   |   |  | -3.2   |
| 0.8             | -0.1  | -0.6  |  |  | -1.0   | -0.6   | 1.5  | 0.9  | -1.0   |   |  | -1.9   |   | 0.0   | 4.5  |   |   | -2.6  | 4.8   |   | 5.3  | 6.6  |
| 0.3             | 0.2   | -0.7  | -5.6   | -0.2   | -2.9   | 1.6  | -0.9   | 0.5  | 1.7  | 2.3   | -4.9   | 2.4  | -0.4  | -0.4  | -1.1   | 3.7   | 0.0   | -0.1  | 1.4   | 2.8   | -0.6   | 3.1  |
| 0.8             | -0.2  | 1.0   | -2.9   | 1.1  | 1.5  | 2.3  | 1.4  | 0.7  | 0.1  | 4.1   | -0.1   | -0.2   | -0.1  | -0.1  | 2.8  | 0.9   | -0.1  | 1.4   | 0.3   | 1.1   | 1.7  | 3.4  |
| -0.2            | -0.2  | 0.4   | -3.0   | 0.6  | 0.2  | 0.5  | 0.7  | -0.4   | -3.5   | 0.9   | -7.7   | -0.1   | -0.1  | 0.1   | 1.4  | 0.5   | -0.3  | -0.1  | 1.8   | -1.4  | 0.7  | 2.9  |
| 0.8             | 0.5   | 0.7   | 2.0  | 0.9  | 0.1  | -1.1   | 1.6  | 0.8  | 1.8  | 2.6   | 3.7  | 3.8  | 0.9   | -0.1  | -2.1   | 3.3   | 0.1   | 0.6   | -0.5  | -6.7  | 3.6  | 3.9  |
| 0.1             | 0.4   | -0.6  | -3.2   | -0.4   | -0.6   | -0.4   | -0.1   | 0.2  | -1.4   | 0.8   | 8.6  | -0.3   | 0.5   | -0.1  | 0.5  | 2.7   | 0.1   | 0.4   | -3.8  | 8.5   | 0.5  | 2.7  |
|                 | GVA at<br>basic<br>prices<br>A.T<br>1000<br>3 months on s<br>ED9T<br>0.7<br>-2.2<br>-10.7<br>-18.4<br>-21.2<br>-16.0<br>-10.7<br>-7.4<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-6.0<br>-7.1<br>-7.3<br>-4.6<br>6.6<br>18.9<br>24.7<br>17.3<br>10.5<br>6.7<br>5.5<br>6.1<br>6.5<br>8.3<br>8.8<br>8<br>month on pre<br>ECYX<br>-0.4<br>-7.4<br>-18.9<br>2.7<br>9.5<br>7.9<br>2.5<br>1.4<br>0.8<br>-2.2<br>1.0<br>2.7<br>-7.3<br>-2.2<br>-1.0<br>-7.4<br>-6.0<br>-6.0<br>-7.1<br>-7.3<br>-4.6<br>6.6<br>18.9<br>24.7<br>1.7.3<br>-2.5<br>5.5<br>6.1<br>6.5<br>8.3<br>8.8<br>-2.1<br>1.3<br>-2.9<br>1.0<br>2.7<br>2.5<br>1.4<br>0.8<br>-2.2<br>0.7<br>0.8<br>-0.2<br>0.8<br>-0.2<br>0.8 | GVA at<br>basic         Agriculture,<br>forestry and<br>prices         fishing           A-T         A           1000         7           3 months on same 3 months         3           ED9T         ED9U           0.7         15.6           -2.2         10.2           -10.7         1.5           -18.4         -5.6           -21.2         -10.5           -16.0         -12.0           -10.7         1.4.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -20.1           -6.0         -18.8           -6.0         -18.8           -6.0         -18.8           -6.0         -19.3           -7.1         -17.3           -7.1         -17.3           -7.4         -5.5     < | GVA at<br>basic<br>prices         Agriculture,<br>forestry and<br>production<br>industries         Total<br>production<br>industries           AT         A         B-E           1000         7         137           2 months on same 3 months a year ago         ED9T         ED9U           0.7         15.6         -1.8           -2.2         10.2         -4.4           -10.7         1.5         -12.1           -18.4         -5.6         -18.8           -21.2         -10.5         -19.8           -16.0         -12.0         -13.9           -10.7         -14.0         -8.4           -7.4         -16.5         -6.0           -6.0         -20.1         -4.2           -6.0         -20.1         -4.2           -6.0         -20.1         -4.2           -6.0         -19.3         -3.4           -7.3         -14.1         -3.4           -7.3         -14.1         -3.4           -7.3         -14.1         -3.4           -7.3         -14.1         -3.4           -7.3         -5         18.0           24.7         8.4         20.6           17.3         8.7 | GVA at<br>basic         Agriculture,<br>forestry and<br>fishing         Total<br>production<br>industries         Mining &<br>guarying           A.T         A         B-E         B           1000         7         137         11           3 months on same 3 months a year ago         ED9V         ED9V         ED9V         ED9V           0.7         15.6         -1.8         -33.0           -2.2         10.2         -4.4         -30.6           -10.7         1.5         -12.1         -28.2           -18.4         -5.6         -18.6         -25.5           -21.2         -10.5         -19.8         -15.6           -16.0         -12.0         -13.9         -11.2           -10.7         -14.0         -8.4         -9.5           -7.4         -16.5         -6.0         -16.2           -6.0         -20.1         -4.2         -15.7           -6.0         -20.1         -4.2         -15.7           -6.6         -3.2         8.4         -14.4           -7.3         -14.1         -3.4         -11.7           -7.1         -17.3         -3.2         -11.4           -7.3         -14.4         -15.2         < | GVA at<br>basic         Agriculture,<br>forestry and<br>fishing         Total<br>production<br>industres         Mining &<br>quarrying         Manufacturing<br>Manufacturing           A-T         A         B-E         B         C           1000         7         137         11         99           3 months on same 3 months a year ago         ED9T         ED9U         ED9V         ED9W         ED9W         ED9Q         ED9Q | GVA at<br>prices         Agriculture,<br>forestry and<br>prices         Total<br>production<br>industria<br>(arrying)         Mining &<br>Manufacturing<br>(arrying)         Electricity<br>as, steam<br>(arrying)           A-T         A         B-E         B         C         D           1000         7         137         11         99         15           3         Common sume 3 months a year ago         EDST         EDSU         ED9V         ED9W         ED9W         EDGQ         EDGQ         EDGR           0.7         15.6         -1.8         -33.0         0.6         8.5           -2.2         10.2         -4.4         -30.6         -30.0         5.5           -10.7         1.5         -12.1         -28.2         -13.0         0.5           -11.4         -5.6         -16.6         -25.5         -21.3         -5.5           -10.7         -15.6         -16.6         -25.5         -21.3         -5.5           -10.7         -14.0         -8.4         -9.5         -1.0.1         -1.1.1           -6.0         -18.8         -5.0         -16.2         -6.5         1.1           -6.0         -19.3         -3.2         -11.4         -2.2         -3.2           -7 | GV at<br>basic         Agriculture,<br>forestry and<br>significant<br>industrise<br>(aurying)         Total<br>Manufacturing<br>(aurying)         Electricity<br>Manufacturing<br>(aurying)         Electricity<br>Manufacturing<br>(aurying)         Supply,<br>aural aural<br>aural aural<br>aural aural<br>(aural aural<br>aural aural<br>aural aural<br>(aural aural<br>aural aural<br>(aural 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| GV at<br>pases         Agriculture,<br>freshy and<br>industries         Total<br>quarying<br>quarying         Electricity<br>and ar<br>monta         supply,<br>end ar         supply,<br>end ar         supply,<br>end ar           Ar.7         A         B-E         B         C         D         E         F           1000         7         137         11         99         15         12         64           3 months on same 3 months a year ago         EDST         EDSV         EDSV         EDSV         EDSQ         EDSQ         EDSQ         EDSQ         EDSQ         2.2         1.2         7.4           -10.7         15.6         -1.8         -33.0         0.6         8.5         0.1         -2.7           -2.2         10.2         -4.4         -30.6         -3.0         5.5         0.2         -4.8           -10.7         1.6         -18.8         -25.6         -2.13         0.5         -3.0         -20.5           -10.7         -14.0         -18.4         -14.2         -16.6         -4.8         -4.7         -4.6         -4.6         -11         -13         -12.3         -12.4         -14.4         -12.3         -12.4         -14.4         -14.2         -4.8         0.2         -8.7 | GivAn         Approluten<br>prices         Total<br>industrices<br>quarying<br>metain         Electricity<br>gas, steam         serupp,<br>end air         Total<br>services<br>gas, steam         Total<br>services<br>gas, steam         Total<br>services<br>end air         Total<br>services<br>industries           Ar1         A         BE         B         C         D         D         2         64         72           1000         7         137         11         99         15         D         2         64         72           3 months or same 3 months a year ago         EDSY         EDSY         EDSY         EDSY         EDSY         EDS         EDS         EDS         EDS         2         1.3         0.5         3.0         2.0         2.4         1.7           -0.7         1.5         -121         2.22         -13.0         0.5         3.0         -205         -2.3         -5.5         3.0         3.03         1.72           -112         -16.6         1.8         -2.55         -2.1         -6.5         -1.1         -1.3         -1.12         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6         -0.6 <t< td=""><td>OAVA         Agriculture<br/>basic         Total<br/>finductrice<br/>inductrice<br/>prices         Total<br/>price         Electricy<br/>and average<br/>and average<br/>by the price         Output<br/>price         Construction<br/>price         Image<br/>and average<br/>and average<br/>and average<br/>and average<br/>by the price         Image<br/>and average<br/>and aver</td><td>ONA at         Agriculture<br/>learning         Total<br/>meaning         Total<br/>meaning         Electricity<br/>and aix         supply<br/>meaning         Total<br/>meaning         <thtotal<br>meaning         Total<br/>meaning         To</thtotal<br></td><td>OAX at         Agriculture<br/>industries         Total<br/>industries         Total<br/>price<br/>industries         Total<br/>industries         Total<br/>industries         Tampet<br/>industries         Tampet<br/>industries         Tampet<br/>industries         Inservice<br/>industries         Inservice<br/>industries         Tampet<br/>industries         Inservice<br/>industries           10         1</td></t<> <td>ONA is services interval probability of inductive services inductive indu</td> <td>Abraic         Agrainance,<br/>instantine         Total<br/>instantine         Impact<br/>method<br/>and stantine         Limitation<br/>and and and<br/>and and and and<br/>and and and and<br/>and and and and and<br/>and and and and and and and and and and</td> <td>Oriesting         Aprobability         Table<br/>with the part of the part of</td> <td>Dival         Application         Table         March all beams         M</td> <td>More in the interval in the interval interv</td> <td>Links         Applying         Total         Berling         Supplying         Total         Personal         Pers</td> <td>bit         graphic         Table         bit         bit         bit         Table         table         bit         &lt;</td> <td>Abb         Appendix         Table         Table         Appendix         Table         Appendix         Appendix&lt;</td> <td>Absolute     Marcelar     Marc</td> <td>And Neurie         Angel         Bande         Bande</td> | OAVA         Agriculture<br>basic         Total<br>finductrice<br>inductrice<br>prices         Total<br>price         Electricy<br>and average<br>and average<br>by the price         Output<br>price         Construction<br>price         Image<br>and average<br>and average<br>and average<br>and average<br>by the price         Image<br>and average<br>and aver | ONA at         Agriculture<br>learning         Total<br>meaning         Total<br>meaning         Electricity<br>and aix         supply<br>meaning         Total<br>meaning         Total<br>meaning <thtotal<br>meaning         Total<br/>meaning         To</thtotal<br> | OAX at         Agriculture<br>industries         Total<br>industries         Total<br>price<br>industries         Total<br>industries         Total<br>industries         Tampet<br>industries         Tampet<br>industries         Tampet<br>industries         Inservice<br>industries         Inservice<br>industries         Tampet<br>industries         Inservice<br>industries           10         1 | ONA is services interval probability of inductive services inductive indu | Abraic         Agrainance,<br>instantine         Total<br>instantine         Impact<br>method<br>and stantine         Limitation<br>and and and<br>and and and and<br>and and and and<br>and and and and and<br>and and and and and and and and and and | Oriesting         Aprobability         Table<br>with the part of | Dival         Application         Table         March all beams         M | More in the interval in the interval interv | Links         Applying         Total         Berling         Supplying         Total         Personal         Pers | bit         graphic         Table         bit         bit         bit         Table         table         bit         < | Abb         Appendix         Table         Table         Appendix         Table         Appendix         Appendix< | Absolute     Marcelar     Marc | And Neurie         Angel         Bande         Bande |

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

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

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

# **GVA3** Monthly GDP based on GVA (Gross Value Added) <sup>1</sup> Chained volume indices of gross value added at basic prices <sup>2,3,4,5</sup>

|                   |                      |                |            |          |               |             |          |                |            |                 |             | Industry sectio |               |               |             |               |                |        |           |              |                |            |               |
|-------------------|----------------------|----------------|------------|----------|---------------|-------------|----------|----------------|------------|-----------------|-------------|-----------------|---------------|---------------|-------------|---------------|----------------|--------|-----------|--------------|----------------|------------|---------------|
|                   |                      |                |            |          |               |             |          |                |            | Wholesale       |             | industry sectio | ns (SIC2007)  |               |             |               |                |        |           |              |                |            | Activitie     |
|                   | Total                |                |            |          |               |             | Water    |                |            | and retail:     |             | Accommodation   |               |               |             | Professional. | Administrative | Public |           |              |                |            | house         |
|                   | GVA at               | Agriculture,   | Total      |          |               | Electricity | supply,  |                | Total      | repair of       |             | and food        | Information   | Financial     |             | scientific    | and support ad |        |           | Human health | Arts,          | Other      | as emplo      |
|                   | basic                | forestry and   | production | Minina & |               | gas, steam  | sewerade |                | service    | motor vehicles  | Transport   | service         | and           | and insurance | Real estate | and technical | service        | and    |           | and social   | entertainment  | service    | undifferent   |
|                   | prices               | fishing        | industries | 5        | Manufacturing | and air     |          | Construction 6 | industries | and motorcycles | and storage |                 | Communication | activities    | activities  | activities    | activities     |        | Education |              | and recreation | activities | goods and ser |
| ection            | A-T                  | A              | B-E        | quarying | C             | D           | F        | F              | G-T        | G               | H           | l               | l             | K             | 1           | M             | N              | 0      | P         | 0            | R              | S          | goods and set |
| )19 weights       | 1000                 | 7              | 137        | 11       | 99            | 15          | 12       | 64             | 792        | 105             | 40          | 29              | 62            | 82            | 131         | 74            | 51             | 48     | 59        | 76           | 16             | 17         |               |
| ercentage change, | , latest month on sa | ame month a ye | ear ago    |          |               |             |          |                |            |                 |             |                 |               |               |             |               |                |        |           |              |                |            |               |
|                   | ED2R                 | ED2S           | ED2T       | ED2U     | ED2V          | ED2W        | ED2X     | ED2Y           | ED2Z       | ED32            | ED33        | ED34            | ED35          | ED36          | ED37        | ED38          | ED39           | ED3A   | ED3B      | ED3C         | ED3D           | ED3E       | E             |
| 20 Feb            | 0.1                  | 10.9           | -2.0       | -28.6    | -0.1          | 6.5         | -0.3     | -4.6           | 0.7        | -1.5            | -2.4        | 3.1             | 0.4           | -1.2          | 0.8         | 2.0           | -0.3           | 2.9    | 0.3       | 4.8          | 1.7            | 1.4        |               |
| Mar               | -7.4                 | 3.6            | -8.9       | -31.0    | -9.1          | 5.4         | -0.2     | -7.5           | -7.2       | -11.8           | -13.9       | -30.3           | -0.2          | -1.8          | 0.5         | 0.4           | -11.5          | 2.6    | -27.6     | -4.9         | -17.7          | -11.2      |               |
| Apr               | -24.8                | -9.7           | -25.5      | -24.4    | -30.2         | -9.8        | -8.6     | -48.4          | -22.8      | -36.6           | -35.6       | -90.4           | -10.5         | -7.0          | -1.6        | -15.1         | -33.5          | 2.6    | -47.6     | -23.2        | -46.2          | -38.4      |               |
| May               | -23.0                | -10.6          | -21.6      | -20.2    | -24.9         | -11.5       | -8.9     | -42.5          | -21.7      | -28.2           | -31.9       | -88.9           | -12.8         | -6.2          | -2.3        | -15.9         | -34.2          | 2.6    | -46.0     | -21.9        | -50.8          | -37.0      |               |
| Jun               | -15.8                | -11.1          | -12.4      | -0.6     | -15.6         | -6.3        | -3.6     | -29.7          | -15.3      | -7.6            | -23.2       | -76.9           | -10.1         | -4.9          | -2.0        | -11.7         | -23.6          | 2.6    | -38.6     | -14.9        | -42.2          | -36.9      |               |
| Jul               | -9.3                 | -14.1          | -7.7       | -11.9    | -9.2          | 0.5         | -1.5     | -15.9          | -9.0       | -0.4            | -20.1       | -40.8           | -6.0          | -4.4          | -1.5        | -9.8          | -22.6          | 2.5    | -19.2     | -7.4         | -30.8          | -7.3       |               |
| Aug               | -7.0                 | -16.5          | -5.2       | -15.7    | -5.6          | 2.6         | -1.9     | -12.2          | -6.8       | 0.1             | -17.9       | -13.8           | -5.9          | -4.6          | -1.3        | -10.3         | -21.4          | 2.5    | -5.9      | -5.2         | -30.9          | -19.1      |               |
| Sep               | -5.8                 | -18.8          | -5.0       | -20.8    | -4.7          | 0.4         | -0.5     | -8.5           | -5.6       | -0.7            | -15.6       | -24.3           | -7.2          | -2.6          | -1.1        | -6.2          | -19.5          | 2.0    | -0.6      | -0.7         | -25.0          | -21.0      |               |
| Oct               | -5.2                 | -20.9          | -4.7       | -11.7    | -4.3          | -6.3        | 0.6      | -5.3           | -5.1       | 0.1             | -15.6       | -33.2           | -3.8          | -1.9          | -1.1        | -5.4          | -17.3          | 1.5    | 0.1       | 0.8          | -22.3          | -25.3      |               |
| Nov               | -6.9                 | -20.5          | -2.9       | -14.2    | -1.3          | -8.1        | 0.4      | -5.7           | -7.5       | -4.4            | -14.0       | -61.3           | -3.5          | -0.7          | -1.2        | -5.7          | -19.8          | 1.4    | -3.7      | -0.2         | -31.6          | -29.9      |               |
| Dec               | -5.8                 | -16.4          | -2.8       | -9.2     | -2.7          | -2.9        | 2.0      | -7.0           | -6.1       | -1.6            | -11.5       | -52.7           | -5.6          | -0.4          | -1.1        | -2.5          | -17.8          | 1.5    | -7.0      | -1.2         | -24.9          | -6.8       |               |
| 1 Jan             | -8.6                 | -14.8          | -3.9       | -10.7    | -4.8          | 1.8         | 1.0      | -8.7           | -9.4       | -10.3           | -17.1       | -62.3           | -1.0          | 0.3           | -0.3        | -5.7          | -18.6          | 1.9    | -24.6     | -1.1         | -26.5          | -24.7      |               |
| Feb               | -7.4                 | -11.0          | -3.5       | -16.1    | -4.1          | 3.2         | 3.8      | -4.7           | -8.2       | -6.5            | -13.5       | -60.9           | -4.1          | 1.7           | -1.2        | -3.6          | -17.5          | 1.8    | -23.2     | 0.7          | -24.0          | -24.7      |               |
| Mar               | 2.7                  | -4.9           | 3.7        | -7.5     | 5.0           | 1.8         | 3.9      | 4.3            | 2.5        | 6.8             | 1.2         | -42.8           | -1.9          | 2.8           | -1.1        | 2.9           | -3.3           | 2.1    | 18.8      | 19.9         | -8.2           | -14.6      |               |
| Apr               | 30.0                 | 8.2            | 30.1       | -19.9    | 41.9          | 16.2        | 11.5     | 80.0           | 27.3       | 64.1            | 34.3        | 520.5           | 12.0          | 7.3           | 0.7         | 18.3          | 30.4           | 2.0    | 85.1      | 47.5         | 51.0           | 55.6       |               |
| May               | 27.5                 | 8.4            | 23.7       | -18.6    | 30.8          | 21.7        | 11.1     | 62.5           | 26.1       | 44.7            | 27.4        | 639.2           | 14.4          | 4.4           | 0.9         | 19.5          | 32.8           | 1.7    | 83.0      | 46.8         | 78.5           | 27.1       |               |
| Jun               | 17.4                 | 8.6            | 9.8        | -36.0    | 16.1          | 6.7         | 6.6      | 33.5           | 17.7       | 12.5            | 17.5        | 291.2           | 9.9           | 3.2           | 1.1         | 16.4          | 17.3           | 1.5    | 64.7      | 35.1         | 47.8           | 20.1       |               |
| Jul               | 8.6                  | 9.1            | 4.8        | -15.1    | 7.8           | -2.1        | 5.6      | 12.3           | 9.0        | 2.8             | 12.8        | 57.2            | 6.0           | 2.2           | -0.1        | 11.2          | 14.8           | 1.4    | 24.9      | 22.3         | 30.2           | -16.2      |               |
| Aug               | 6.1                  | 9.4            | 3.3        | 3.9      | 4.5           | -5.8        | 5.2      | 8.1            | 6.4        | 1.3             | 12.6        | 22.5            | 7.8           | 1.6           | -0.1        | 11.2          | 13.6           | 1.4    | 4.6       | 15.4         | 34.5           | -2.8       |               |
| Sep               | 5.5                  | 8.7            | 1.9        | 5.0      | 2.8           | -7.2        | 4.1      | 6.0            | 6.0        | 0.8             | 12.0        | 40.5            | 5.8           | 0.2           | -0.4        | 11.2          | 14.6           | 1.5    | -4.1      | 15.5         | 32.0           | 4.3        |               |
| Oct               | 4.9                  | 10.6           | 0.3        | -4.3     | 1.2           | -6.9        | 5.2      | 3.1            | 5.8        | 1.3             | 13.4        | 52.3            | 4.8           | -1.0          | -0.8        | 8.2           | 15.8           | 1.5    | -5.3      | 15.5         | 31.5           | 9.2        |               |
| Nov               | 8.0                  | 11.3           | 0.2        | -3.1     | 0.3           | -4.8        | 7.8      | 4.0            | 9.7        | 7.7             | 16.9        | 158.4           | 6.4           | -0.7          | -0.7        | 12.8          | 19.7           | 1.6    | -1.1      | 16.8         | 46.4           | 18.1       |               |
| Dec               | 6.5                  | 11.0           | 1.0        | -7.9     | 2.4           | -7.9        | 6.8      | 6.3            | 7.4        | 1.0             | 15.0        | 92.4            | 8.0           | -1.0          | -0.9        | 10.4          | 16.8           | 0.8    | 1.6       | 20.3         | 29.9           | -10.6      |               |
| 2 Jan             | 10.5                 | 9.8            | 3.0        | -5.3     | 5.3           | -8.7        | 5.4      | 10.0           | 11.9       | 11.5            | 25.0        | 150.2           | 8.7           | -0.8          | -1.8        | 11.9          | 22.0           | 0.5    | 27.5      | 15.7         | 23.7           | 17.9       |               |
| Feb               | 9.5                  | 8.6            | 1.6        | -3.0     | 3.6           | -9.5        | 3.3      | 6.1            | 11.2       | 7.0             | 24.8        | 160.1           | 10.1          | -1.5          | -1.3        | 9.6           | 25.4           | 0.4    | 30.2      | 9.0          | 31.4           | 18.1       |               |

 1
 The GVA output is designated as a National Statistic.
 Sources: For further information on these data please telephone

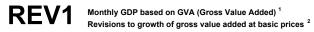
 2
 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".
 01633 582428 or E-mail gdp@ons.gov.uk

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

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

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

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



|                        | Revisions to grow                  | th of gross valu                        | le added at bas                   | ic prices -  |               |                                      |                                     |                           |                                |   |                          |  | seasonally adjuste                  | 2019=100                                 |                           |              |  |              |              | Periods open for                              | or revision: 20                          | )20 Jan - 20                   | 22 Jan  |
|------------------------|------------------------------------|---|-----------------------------------|--------------|---------------|--------------------------------------|-------------------------------------|---------------------------|--------------------------------|---|--------------------------|--|-------------------------------------|--|---------------------------|--------------|--|--------------|--------------|---|--|--------------------------------|---|
|                        |                                    |   |                                   |              |               |                                      |                                     |                           |                                | Wholesale   |                          | Industry section                                   | ons (SIC2007)                       |  |                           |              |  |              |              |   |  |                                | Activities  |
|                        | Total<br>GVA at<br>basic<br>prices | Agriculture,<br>forestry and<br>fishing | Total<br>production<br>industries | Mining &     | Manufacturing | Electricity<br>gas, steam<br>and air | Water<br>supply,<br>sewerage<br>etc | Construction <sup>4</sup> | Total<br>service<br>industries | and retail:<br>repair of<br>motor vehicles<br>and motorcycles | Transport<br>and storage | Accommodation<br>and food<br>service<br>activities | Information<br>and<br>Communication | Financial<br>and insurance<br>activities | Real estate<br>activities | scientific   | Administrative<br>and support a<br>service<br>activities | and          | Education    | Human health<br>and social<br>work activities | Arts,<br>entertainment<br>and recreation | Other<br>service<br>activities | househo<br>as employe<br>undifferentiat<br>goods and servic |
| Section                | A-T                                | A                                       | B-E                               | В            | С             | D                                    | E                                   | F                         | G-T                            | G   | Н                        | I  | J                                   | K  | L                         | М            | Ν  | 0            | Р            | Q   | R  | S                              | 5   |
| 2019 weights           | 1000                               | 7                                       | 137                               | 11           | 99            | 15                                   | 12                                  | 64                        | 792                            | 105   | 40                       | 29   | 62                                  | 82                                       | 131                       | 74           | 51   | 48           | 59           | 76  | 16                                       | 17                             |   |
| Percentage change, lat | test 3 months on                   | previous 3 mon                          | iths <sup>3,5</sup>               |              |               |                                      |                                     |                           |                                |   |                          |  |                                     |  |                           |              |  |              |              |   |  |                                |   |
| 2020 Jan<br>Feb        | 0.0<br>-0.1                        | 0.1<br>0.1                              | 0.0<br>0.1                        | 0.0<br>0.2   | 0.0<br>0.1    | -0.1<br>-0.1                         | 0.0<br>0.0                          | -0.1<br>-0.2              | 0.0<br>-0.1                    | 0.0<br>-0.1   | 0.1<br>0.0               | 0.0<br>0.1   | -0.1<br>-0.2                        | 0.0<br>0.1                               | 0.0<br>0.0                |              | 0.0<br>0.1   | 0.0<br>0.1   | 0.0<br>0.0   | -0.1<br>-0.2                                  | 0.4<br>0.8                               | -0.5<br>-0.8                   | -0<br>0   |
| Mar                    | 0.0                                | 0.3                                     | -0.1                              | 0.1          | 0.0           | -0.1                                 | 0.0                                 | -0.3                      | 0.0                            | -0.1  | 0.0                      | 0.0  | -0.2                                | 0.1                                      | 0.0                       | -0.2         | 0.1  | 0.1          | 1.3          | -0.1  | 0.4                                      | -1.9                           | 0.  |
| Apr<br>Mav             | 0.1<br>0.1                         | 0.4<br>0.7                              | -0.1<br>-0.3                      | -0.2<br>-0.8 | -0.1<br>-0.3  | -0.1<br>0.4                          | -0.1<br>-0.4                        | -0.3<br>-0.1              | 0.1<br>0.1                     | -0.1<br>0.1   | 0.0<br>0.3               | 0.0<br>0.1   | 0.0<br>0.0                          | 0.2<br>0.2                               | -0.1<br>0.0               | -0.1<br>-0.2 | -0.1<br>-0.5   | 0.0<br>-0.2  | 1.8<br>2.2   | 0.3<br>0.6                                    | -0.8<br>-2.2                             | -0.7<br>-1.2                   | 0.<br>-0.   |
| Jun                    | -0.1                               | 0.8                                     | -0.4                              | -1.5         | -0.3          | 0.6                                  | -0.5                                | 0.1                       | -0.1                           | 0.1   | 0.2                      | 0.4  | -0.4                                | 0.1                                      | 0.0                       | -0.2         | -1.0   | -0.3         | 0.5          | 0.9   | -2.5                                     | -1.8                           | -1.   |
| Jul<br>Aug             | -0.2<br>-0.1                       | 0.4<br>-0.7                             | -0.3<br>0.1                       | -1.7<br>-0.6 | -0.3<br>0.1   | 0.9<br>0.2                           | -0.3<br>0.2                         | 0.5<br>0.2                | -0.3<br>-0.1                   | 0.0<br>-0.1   | -0.1<br>-0.6             | 0.1<br>-0.9  | -0.8<br>-0.5                        | 0.1<br>0.1                               | 0.0<br>0.0                |              | -1.0<br>-0.8   | -0.2<br>-0.1 | -0.3<br>-0.2 | 1.0<br>1.1                                    | -2.4<br>0.9                              | -3.9<br>-3.0                   | -1.<br>-0.  |
| Sep                    | 0.3                                | -2.1                                    | 0.6                               | 0.7          | 0.8           | -0.6                                 | 0.5                                 | 0.2                       | 0.3                            | -0.1  | -0.4                     | -12.7  | 0.1                                 | 0.2                                      | 0.0                       | -1.2         | -0.1   | 0.0          | 2.5          | 0.9   | 4.7                                      | 8.2                            | 2.  |
| Oct<br>Nov             | 0.5<br>0.4                         | -3.5<br>-4.1                            | 0.8<br>0.6                        | 1.6<br>1.4   | 1.0<br>0.7    | -0.9<br>-1.0                         | 0.4<br>0.2                          | 0.3<br>0.5                | 0.6<br>0.4                     | 0.1<br>-0.1   | 0.1<br>0.5               | 0.5<br>1.0   | 0.4<br>0.4                          | 0.2<br>0.3                               | 0.0<br>0.0                |              | 0.2<br>0.5   | 0.0<br>-0.2  | 2.5<br>-1.0  | 0.5<br>-0.2                                   | 5.2<br>2.3                               | 12.5<br>10.4                   | 3.<br>1.  |
| Dec                    | 0.0                                | -3.1                                    | 0.2                               | 0.6          | 0.3           | -0.5                                 | 0.2                                 | 0.3                       | -0.1                           | 0.1   | 0.5                      | 0.7  | 0.1                                 | 0.4                                      | 0.1                       | 0.0          | 0.6  | -0.2         | -1.1         | -1.5  | 0.5                                      | 0.6                            | 0   |
| 2021 Jan<br>Feb        | -0.3<br>-0.1                       | -0.3<br>2.9                             | -0.1<br>0.0                       | 0.8<br>1.5   | -0.2<br>-0.3  | -0.3<br>0.3                          | 0.6<br>1.2                          | -0.3<br>-0.5              | -0.2<br>-0.1                   | 0.2<br>0.5  | 0.4<br>0.0               | -0.3<br>-0.9                                       | 0.3<br>0.2                          | 0.3<br>0.2                               | 0.1<br>0.1                |              | 0.5<br>0.2   | -0.1<br>0.1  | -1.2<br>-0.3 | -1.4<br>-0.5                                  | 0.1<br>0.9                               | -8.2<br>-8.1                   | -1<br>-1  |
| Mar                    | 0.0                                | 5.1                                     | 0.0                               | 2.5          | -0.3          | 0.1                                  | 1.1                                 | -0.6                      | 0.1                            | 0.2   | -0.2                     | -1.0   | 0.5                                 | 0.0                                      | 0.1                       | 0.1          | 0.1  | 0.1          | -1.3         | 1.7   | 0.3                                      | -4.2                           | -1.   |
| Apr<br>May             | 0.2<br>0.0                         | 4.3<br>2.2                              | 0.0<br>-0.1                       | 1.6<br>0.7   | -0.3<br>-0.2  | 0.1<br>0.1                           | 0.7<br>-0.3                         | -0.1<br>0.3               | 0.2<br>0.1                     | 0.1<br>-0.1   | -0.2<br>0.0              | -0.9<br>-1.0                                       | 0.9<br>0.9                          | 0.0<br>-0.2                              | 0.0<br>-0.1               | 0.6<br>0.7   | 0.4<br>0.6   | 0.1<br>0.0   | -1.7<br>-2.4 | 2.4<br>1.5                                    | -2.2<br>-5.7                             | -1.4<br>-1.1                   | 0.  |
| Jun                    | 0.1                                | 0.0                                     | -0.1                              | 0.1          | -0.2          | 0.3                                  | -0.5                                | 0.6                       | 0.0                            | 0.0   | 0.3                      | -1.0   | 1.1                                 | -0.2                                     | 0.0                       | 0.7          | 0.9  | 0.0          | 0.4          | -0.5  | -7.3                                     | 1.0                            | -0.   |
| Jul<br>Aug             | 0.0<br>0.0                         | 0.6<br>2.5                              | 0.1<br>0.2                        | 0.0<br>-0.3  | 0.3<br>0.5    | 0.4<br>-0.5                          | -0.8<br>-0.7                        | 0.5<br>0.0                | 0.0<br>-0.1                    | 0.0<br>-0.1   | 0.8<br>1.4               | -0.3<br>-0.5                                       | 0.2<br>0.0                          | -0.2<br>-0.1                             | -0.1<br>0.0               | 0.8<br>0.6   | 1.0<br>0.5   | 0.0<br>-0.1  | 1.1<br>0.9   | -1.5<br>-1.0                                  | -7.3<br>-4.7                             | 1.8<br>0.5                     | -5.<br>-10.   |
| Sep                    | -0.1                               | 4.3                                     | 0.2                               | -1.1         | 0.7           | -1.1                                 | -1.0                                | -0.1                      | -0.1                           | -0.1  | 1.6                      | -1.0   | -0.6                                | 0.0                                      | 0.0                       | 0.6          | 0.0  | -0.1         | -1.7         | -0.2  | -1.7                                     | 2.9                            | -12.  |
| Oct<br>Nov             | 0.0<br>0.2                         | 4.2<br>2.5                              | 0.1<br>0.1                        | -1.5<br>-1.3 | 0.3<br>0.3    | -1.0<br>-0.5                         | -0.4<br>0.5                         | 0.1<br>0.4                | 0.0<br>0.2                     | 0.2<br>0.4  | 1.3<br>0.8               | -1.6<br>-1.2                                       | 0.1<br>0.4                          | 0.0<br>0.0                               | -0.1<br>0.0               | 0.6<br>1.1   | -0.5<br>-0.1   | -0.1<br>0.2  | -2.8<br>-2.6 | 0.4<br>0.2                                    | 1.7<br>3.8                               | 5.4<br>7.7                     | -8.<br>-0.  |
| Dec<br>2022 Jan        | 0.3<br>0.2                         | 0.8<br>-0.5                             | 0.2<br>0.4                        | -0.8<br>-0.4 | 0.4<br>0.7    | -0.6<br>-1.7                         | 0.9<br>0.5                          | 0.0<br>-0.7               | 0.3<br>0.4                     | 0.1<br>-0.5   | 0.4<br>1.2               | -0.3<br>0.9  | 0.4<br>-0.4                         | -0.3<br>-0.2                             | 0.0<br>0.0                |              | 0.5<br>1.3   | 1.0<br>1.9   | -1.0<br>0.0  | -0.2<br>-1.1                                  | 4.8<br>5.2                               | 4.9<br>2.7                     | 6.<br>9.  |
| Percentage change, lat |                                    |   |                                   | 0.1          |               |                                      | 0.0                                 | 0.1                       | 0.1                            | 0.0   |                          | 0.0  | 0                                   | 0.2                                      | 0.0                       |              |  |              | 0.0          |   | 0.2                                      | 2.1                            | 0.  |
| 2020 Jan               | -0.1                               | 0.1                                     | 0.0                               | 0.0          | 0.0           | -0.1                                 | 0.0                                 | -0.1                      | -0.1                           | -0.1  | 0.0                      | 0.1  | -0.1                                | 0.0                                      | 0.0                       | 0.0          | 0.0  | 0.0          | 0.0          | 0.0   | 0.4                                      | -0.5                           | -0.   |
| Feb                    | 0.0                                | 0.2                                     | 0.1                               | 0.1          | 0.0           | -0.2                                 | 0.0                                 | -0.1                      | 0.0                            | -0.1  | -0.1                     | 0.1  | -0.2                                | 0.1                                      | 0.0                       | -0.1         | 0.1  | 0.0          | 0.1          | -0.1  | 0.8                                      | -0.8                           | 0.  |
| Mar<br>Apr             | 0.0<br>0.1                         | 0.3<br>0.5                              | -0.1<br>-0.1                      | 0.1<br>-0.1  | 0.0<br>-0.1   | -0.2<br>-0.1                         | 0.0<br>-0.1                         | -0.2<br>-0.4              | 0.0<br>0.1                     | -0.2<br>-0.1  | 0.1<br>0.0               | 0.0<br>0.0   | -0.2<br>-0.1                        | 0.1<br>0.2                               | 0.0<br>0.0                |              | 0.1<br>-0.1  | 0.1<br>0.0   | 1.3<br>1.9   | -0.1<br>0.2                                   | 0.4<br>-0.4                              | -2.0<br>-1.2                   | 0.<br>-0.   |
| May                    | 0.0                                | 0.9                                     | -0.3                              | -0.6         | -0.3          | 0.2                                  | -0.3                                | -0.1                      | 0.1                            | 0.0   | 0.3                      | 0.1  | -0.2                                | 0.2                                      | 0.0                       | -0.3         | -0.4   | -0.1         | 2.2          | 0.5   | -1.8                                     | -1.8                           | -0.   |
| Jun<br>Jul             | -0.1<br>-0.1                       | 1.1<br>0.8                              | -0.3<br>-0.4                      | -1.2<br>-1.6 | -0.4<br>-0.4  | 0.5<br>0.7                           | -0.5<br>-0.4                        | -0.1<br>0.1               | 0.0<br>-0.1                    | -0.1<br>-0.1  | 0.1<br>0.0               | 0.3<br>0.1   | -0.5<br>-0.7                        | 0.2<br>0.3                               | -0.1<br>0.0               | -0.4<br>-0.8 | -0.8<br>-1.0   | -0.2<br>-0.2 | 1.2<br>1.4   | 0.9<br>1.1                                    | -2.2<br>-2.2                             | -3.0<br>-4.4                   | -1.<br>-1.  |
| Aug                    | -0.1                               | 0.2                                     | -0.2                              | -1.2         | -0.1          | 0.5                                  | -0.2                                | -0.1                      | 0.0                            | -0.2  | -0.2                     | -0.1   | -0.7                                | 0.4                                      | 0.0                       | -1.2         | -1.1   | -0.2         | 2.8          | 1.5   | -1.2                                     | -4.0                           | -1.   |
| Sep<br>Oct             | 0.1<br>0.3                         | -0.7<br>-2.0                            | 0.1<br>0.2                        | -0.6<br>0.0  | 0.2<br>0.3    | 0.0<br>-0.1                          | -0.1<br>0.0                         | 0.1<br>0.3                | 0.2<br>0.4                     | -0.1<br>-0.1  | 0.0<br>0.1               | -0.2<br>0.4  | -0.4<br>-0.5                        | 0.4<br>0.6                               | -0.1<br>-0.1              | -1.4<br>-1.3 | -1.0<br>-0.9   | -0.2<br>-0.3 | 3.4<br>3.8   | 1.8<br>1.7                                    | -0.2<br>0.4                              | 1.2<br>4.8                     | -0<br>-0  |
| Nov                    | 0.2                                | -3.0                                    | 0.3                               | 0.1          | 0.5           | -0.5                                 | 0.0                                 | 0.3                       | 0.3                            | -0.2  | 0.2                      | 0.4  | -0.3                                | 0.7                                      | -0.1                      | -1.4         | -0.7   | -0.4         | 2.8          | 1.4   | 0.1                                      | 4.6                            | 0   |
| Dec<br>2021 Jan        | 0.1<br>0.1                         | -3.3<br>-2.3                            | 0.3<br>0.2                        | 0.0<br>0.6   | 0.4<br>0.3    | -0.4<br>-0.4                         | 0.1<br>0.5                          | 0.3<br>0.1                | 0.1<br>0.1                     | 0.0<br>0.2  | 0.4<br>0.4               | 0.3<br>0.0   | -0.3<br>-0.1                        | 0.8<br>0.8                               | -0.1<br>0.0               | -1.5<br>-1.6 | -0.6<br>-0.5   | -0.4<br>-0.4 | 2.6<br>2.2   | 0.4<br>0.5                                    | 0.1<br>0.1                               | 1.6<br>-0.8                    | -C<br>-1  |
| Feb                    | 0.2                                | -0.7                                    | 0.2                               | 1.4          | 0.1           | -0.1                                 | 1.1                                 | 0.0                       | 0.2                            | 0.5   | 0.3                      | -0.2   | 0.1                                 | 0.8                                      | 0.0                       | -1.5         | -0.6   | -0.5         | 2.0          | 1.1   | 0.3                                      | -0.1                           | -1  |
| Mar<br>Apr             | 0.2<br>0.2                         | 0.8<br>0.9                              | 0.3<br>0.4                        | 2.1<br>2.3   | 0.1<br>0.1    | -0.2<br>-0.3                         | 1.3<br>1.5                          | 0.0<br>0.4                | 0.2<br>0.2                     | 0.4<br>0.4  | 0.2<br>0.2               | -0.2<br>-0.8                                       | 0.5<br>0.8                          | 0.7<br>0.6                               | 0.1<br>0.1                |              | -0.5<br>-0.1   | -0.5<br>-0.3 | -0.2<br>-2.1 | 2.2<br>2.8                                    | 0.0<br>-0.9                              | -0.2<br>-1.6                   | -1.<br>-1.  |
| May                    | 0.2                                | 0.4                                     | 0.5                               | 2.7          | 0.3           | -0.5                                 | 1.3                                 | 0.7                       | 0.1                            | 0.3   | -0.1                     | -2.9   | 1.2                                 | 0.5                                      | 0.0                       | -0.7         | 0.7  | -0.3         | -5.2         | 2.1   | -1.7                                     | 0.5                            | 0   |
| Jun<br>Jul             | 0.5<br>0.5                         | -0.1<br>1.2                             | 0.7<br>0.9                        | 3.0<br>3.2   | 0.6<br>0.9    | -0.6<br>-0.9                         | 1.4<br>0.9                          | 0.7<br>0.4                | 0.4<br>0.4                     | 0.4<br>0.4  | 0.4<br>1.3               | -17.7<br>-3.5                                      | 2.1<br>1.9                          | 0.4<br>0.3                               | 0.0<br>0.0                |              | 2.0<br>2.3   | -0.1<br>-0.1 | -1.2<br>-0.6 | 0.6<br>-0.3                                   | -3.3<br>-6.1                             | 4.4<br>5.0                     | 0<br>-6   |
| Aug                    | 0.3                                | 3.7                                     | 0.6                               | 3.0          | 0.6           | -1.1                                 | 0.3                                 | 0.3                       | 0.2                            | 0.2   | 2.1                      | -2.2   | 1.7                                 | 0.2                                      | 0.0                       | 1.2          | 2.1  | -0.2         | -2.9         | -0.4  | -8.9                                     | 3.5                            | -12   |
| Sep<br>Oct             | 0.0<br>-0.1                        | 6.5<br>9.1                              | 0.3<br>0.1                        | 2.4<br>1.4   | 0.4<br>0.2    | -1.1<br>-1.0                         | -0.2<br>0.0                         | 0.1<br>0.2                | -0.1<br>-0.2                   | 0.3<br>0.4  | 2.4<br>2.5               | -2.1<br>-3.9                                       | 1.2<br>1.6                          | 0.2<br>0.1                               | 0.0<br>0.0                |              | 1.8<br>1.5   | -0.2<br>-0.1 | -4.3<br>-4.9 | -0.5<br>-0.3                                  | -9.7<br>-9.2                             | 0.2<br>-2.0                    | -14.<br>-14.  |
| Nov                    | 0.1                                | 10.4                                    | 0.3                               | 1.0          | 0.2           | -0.7                                 | 0.6                                 | 0.3                       | 0.1                            | 0.7   | 2.3                      | -5.6   | 1.6                                 | -0.1                                     | -0.1                      | 2.4          | 1.5  | 0.2          | -4.1         | 0.1   | -6.8                                     | -0.4                           | -13   |
| Dec<br>2022 Jan        | 0.4<br>0.5                         | 10.6<br>9.0                             | 0.4<br>0.6                        | 0.9<br>0.1   | 0.6<br>1.1    | -1.4<br>-2.2                         | 0.5<br>0.0                          | -0.1<br>-0.2              | 0.3<br>0.5                     | 0.3<br>-0.4   | 2.4<br>3.5               | -5.8<br>-3.1                                       | 1.5<br>1.0                          | -0.5<br>-0.4                             | -0.2<br>-0.1              | 3.0<br>3.3   | 1.7<br>2.4   | 1.0<br>1.8   | -3.9<br>-4.0 | 0.9<br>0.1                                    | -4.1<br>-2.0                             | 4.4<br>8.6                     | -9.<br>-4.  |

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

 1 The GVA output is designated as a National Statistic.
 Sources: For further information on these data please telephone

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

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

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

 5 Revisions to periods highlighted in Grey are consistent with the Quarterly national Accounts published on 31 March 2022

| riods open for revision: 2020 Jan - 2022 Jar | riods | open | for | revision: | 2020 | Jan | - | 2022 | Jan |
|--|-------|------|-----|-----------|------|-----|---|------|-----|
|--|-------|------|-----|-----------|------|-----|---|------|-----|

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

| REV2  | Revisions to grow   |  | ess Value Added<br>ue added at bas   |  |   |  |   |   |  |  |  | s  | seasonally adjuste  | d 2019=100   |   |  |  |   | I   | Periods open f  | or revision: 20   | 020 Jan - 20   | 22 Jan   |
|---|---|--|--|--|---|--|---|---|--|--|--|--|---|--|---|--|--|---|---|---|---|--|--|
|   | Total<br>GVA at<br>basic<br>prices  | Agriculture,<br>forestry and<br>fishing  | Total<br>production<br>industries  |  | Manufacturing   | Electricity<br>gas, steam<br>and air   |   | Construction <sup>4</sup>   | Total<br>service<br>industries   | Wholesale<br>and retail:<br>repair of<br>motor vehicles<br>and motorcycles   | Transport<br>and storage   | Industry section<br>Accommodation<br>and food<br>service<br>activities   | Information<br>and<br>Communication   | Financial<br>and insurance<br>activities   | Real estate<br>activities   | Professional,<br>scientific<br>and technical<br>activities   | Administrative<br>and support ac<br>service<br>activities  | and<br>defence  | Education   | Human health<br>and social<br>work activities   |   | Other<br>service<br>activities   | Activities of<br>household<br>as employers<br>undifferentiate<br>goods and service   |
| Section<br>2019 weights   | A-T<br>1000   | A<br>7   | B-E<br>137   | B<br>11  | C<br>99   | D<br>15  | E<br>12   | F<br>64   | G-T<br>792   | G<br>105   | H<br>40  | ا<br>29  | J<br>62   | K<br>82  | L<br>131  | M<br>74  | N<br>51  | 0<br>48   | P<br>59   | Q<br>76   | R<br>16   | S<br>17  |  |
| Percentage change, I  | latest month on pre   | vious month <sup>3,</sup>  | 5  |  |   |  |   |   |  |  |  |  |   |  |   |  |  |   |   |   |   |  |  |
| 2020 Jan<br>Feb<br>Mar<br>Apr<br>May<br>Jun<br>Jui<br>Aug<br>Sep<br>Oct<br>Nov<br>Dec<br>2021 Jan<br>Feb<br>Mar<br>Apr<br>May<br>Jun<br>Jui<br>Aug<br>Sep<br>Oct<br>Nov<br>Dec<br>2022 Jan<br>Percentage change,  | -0.1<br>0.1<br>0.1<br>0.0<br>-0.1<br>-0.2<br>0.2<br>0.4<br>0.2<br>0.0<br>-0.3<br>0.1<br>0.1<br>0.0<br>0.3<br>-0.1<br>0.1<br>0.0<br>0.0<br>-0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2 | $\begin{array}{c} 0.3\\ -0.1\\ 0.4\\ 0.4\\ 0.3\\ -0.1\\ -1.0\\ -1.0\\ -1.0\\ -1.0\\ -1.4\\ -2.1\\ -0.4\\ 1.4\\ 2.8\\ 1.7\\ 1.4\\ -2.0\\ 0.2\\ 0.9\\ 1.8\\ 2.5\\ 0.2\\ 0.1\\ -0.3\\ -0.6\\ 0.0\\ \end{array}$ | 0.0<br>0.2<br>-0.3<br>-0.1<br>-0.1<br>-0.2<br>0.4<br>0.5<br>0.0<br>0.1<br>-0.1<br>0.0<br>-0.1<br>0.3<br>-0.1<br>0.3<br>-0.1<br>0.4<br>0.4<br>0.0<br>0.3<br>-0.1<br>0.0<br>0.3<br>-0.1<br>0.0<br>0.3<br>-0.1<br>0.0<br>-0.3<br>-0.1<br>-0.2<br>0.4<br>0.5<br>-0.1<br>-0.2<br>0.4<br>0.5<br>-0.1<br>-0.2<br>0.4<br>0.5<br>-0.1<br>-0.2<br>0.4<br>0.5<br>-0.1<br>-0.2<br>-0.1<br>-0.2<br>-0.1<br>-0.2<br>-0.1<br>-0.2<br>-0.1<br>-0.2<br>-0.1<br>-0.1<br>-0.2<br>-0.1<br>-0.1<br>-0.2<br>-0.1<br>-0.1<br>-0.1<br>-0.2<br>-0.1<br>-0.1<br>-0.1<br>-0.2<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1 | $\begin{array}{c} 0.2\\ -0.1\\ -0.4\\ -0.4\\ -1.4\\ -0.1\\ 0.2\\ 1.2\\ 0.5\\ 0.1\\ -0.2\\ -0.3\\ 2.9\\ 0.0\\ -0.5\\ 0.4\\ -0.1\\ 0.1\\ 0.1\\ -0.5\\ -0.7\\ -0.4\\ -0.4\\ -0.4\\ 0.0\\ 0.1\\ 0.0\\ \end{array}$ | $\begin{array}{c} -0.1\\ 0.2\\ -0.4\\ -0.1\\ -0.1\\ -0.3\\ 0.5\\ 0.7\\ 0.1\\ 0.0\\ 0.1\\ -0.2\\ -0.4\\ 0.3\\ 0.1\\ -0.5\\ 0.3\\ 0.1\\ 0.7\\ -0.1\\ 0.1\\ 0.1\\ 0.4\\ 0.4\\ 0.1\\ \end{array}$ | $\begin{array}{c} -0.3\\ 0.2\\ 0.1\\ 0.0\\ 1.0\\ 0.0\\ -0.5\\ -0.4\\ -0.4\\ -0.4\\ -0.4\\ -0.2\\ -1.0\\ 1.0\\ -0.3\\ 0.2\\ -0.2\\ -0.2\\ -0.2\\ -0.2\\ -0.4\\ -1.1\\ -0.3\\ 0.1\\ 0.3\\ -0.7\\ -1.4\\ -0.9\end{array}$ | -0.1<br>0.1<br>-0.4<br>-0.2<br>0.1<br>0.5<br>-0.1<br>0.0<br>0.1<br>-0.2<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.0<br>3<br>0.2<br>-0.3<br>0.2<br>-0.3<br>0.2<br>-0.5<br>0.1<br>1.1<br>0.4<br>-0.2<br>0.0<br>0.0<br>0.0<br>-0.3<br>0.2<br>-0.5<br>-0.1<br>-0.4<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.1<br>-0.2<br>0.0<br>-0.3<br>0.0<br>-0.3<br>-0.3<br>-0.3<br>-0.3<br>-0.3<br>- | -0.2<br>0.1<br>-0.4<br>-0.1<br>1.6<br>-1.0<br>0.1<br>0.3<br>0.3<br>-0.5<br>0.2<br>-0.7<br>0.3<br>0.0<br>0.1<br>0.9<br>-0.7<br>0.0<br>0.0<br>0.1<br>0.9<br>-0.7<br>0.0<br>0.0<br>0.1<br>0.1<br>0.2<br>0.6<br>-0.5<br>-1.3<br>0.5 | -0.1<br>0.0<br>0.2<br>0.2<br>0.2<br>0.4<br>0.1<br>0.0<br>-0.4<br>0.1<br>0.1<br>0.1<br>0.1<br>0.1<br>0.1<br>0.1<br>0.1  | $\begin{array}{c} -0.2\\ -0.1\\ 0.2\\ 0.1\\ 0.0\\ -0.2\\ -0.1\\ 0.2\\ -0.1\\ -0.1\\ -0.1\\ -0.1\\ -0.1\\ -0.1\\ -0.1\\ 0.7\\ -0.2\\ -0.1\\ 0.1\\ -0.1\\ 0.0\\ 0.1\\ -0.3\\ -0.2\\ 0.6\\ 0.1\\ -0.4\\ -0.3\\ -0.7\end{array}$   | $\begin{array}{c} 0.1\\ -0.3\\ 0.5\\ 0.0\\ 0.6\\ -1.2\\ -0.2\\ 0.5\\ 0.1\\ 0.0\\ 0.5\\ -0.1\\ 0.0\\ 0.5\\ -0.1\\ 0.2\\ -0.2\\ 0.0\\ 0.1\\ 0.2\\ 0.2\\ 1.1\\ 0.4\\ 0.0\\ 0.2\\ -0.1\\ 0.4\\ 2.3\\ \end{array}$  | 0.0<br>0.1<br>-0.2<br>0.3<br>0.6<br>-0.5<br>-8.1<br>1.0<br>0.4<br>1.3<br>-0.7<br>-0.8<br>-0.3<br>0.1<br>-0.1<br>0.1<br>0.1<br>0.1<br>0.4<br>-0.1<br>-0.5<br>-0.1<br>-0.5<br>-0.5<br>-0.5<br>-0.5<br>-0.5<br>-0.5<br>-0.5<br>-0.5 | $\begin{array}{c} -0.3\\ 0.0\\ 0.2\\ 0.2\\ -1.0\\ -0.3\\ 0.6\\ 0.0\\ 0.0\\ -0.1\\ 0.4\\ -0.4\\ 0.4\\ 0.4\\ 0.4\\ 0.4\\ 0.4\\ 0.4\\ 0.4\\ $  | $\begin{array}{c} 0.1\\ 0.2\\ 0.0\\ 0.0\\ 0.2\\ -0.1\\ 0.1\\ 0.1\\ 0.2\\ 0.0\\ 0.2\\ 0.1\\ 0.1\\ 0.1\\ 0.1\\ 0.1\\ 0.0\\ 0.0\\ 0.2\\ 0.2\\ 0.2\\ 0.2\\ 0.2\\ 0.2$                            | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.1<br>0.0<br>0.0                        | -0.1<br>-0.2<br>0.0<br>-0.4<br>-0.7<br>-0.4<br>-0.7<br>-0.4<br>-1.1<br>0.5<br>0.6<br>-0.2<br>0.3<br>0.5<br>-0.1<br>0.3<br>0.3<br>0.5<br>-0.7                               | $\begin{array}{c} 0.1\\ 0.0\\ 0.0\\ -0.8\\ -0.4\\ 0.0\\ 0.0\\ -0.1\\ 0.2\\ 0.4\\ 0.3\\ 0.0\\ -0.1\\ 0.0\\ 0.5\\ 0.3\\ 0.3\\ 0.5\\ 0.0\\ -0.8\\ 0.2\\ 0.1\\ 0.4\\ 0.6\\ 0.9\end{array}$                     | $\begin{array}{c} 0.1\\ 0.1\\ -0.1\\ -0.2\\ -0.1\\ 0.0\\ 0.1\\ -0.1\\ -0.1\\ -0.1\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ 0.0\\ $   | $\begin{array}{c} 0.0\\ 0.1\\ 3.9\\ -1.8\\ 0.0\\ 0.9\\ 3.7\\ -3.0\\ -0.1\\ -0.4\\ 0.3\\ -0.2\\ -3.6\\ 2.2\\ -0.1\\ 1.6\\ -0.8\\ -1.8\\ -1.8\\ -1.8\\ -1.6\\ 0.6\\ 0.1\\ 0.2\\ 0.0\\ \end{array}$                  | $\begin{array}{c} -0.2\\ 0.0\\ 0.2\\ 0.6\\ 0.1\\ 0.4\\ 0.0\\ 0.3\\ 0.7\\ -1.2\\ -0.6\\ -1.1\\ 1.4\\ 1.3\\ 0.6\\ -0.1\\ -1.5\\ -0.5\\ 0.6\\ 0.2\\ -0.1\\ -0.1\\ 0.0\\ 0.6\\ -1.8\end{array}$ | $\begin{array}{c} 1.2\\ 0.0\\ -2.3\\ -0.6\\ -2.5\\ 1.1\\ 2.2\\ 2.9\\ 0.2\\ -0.5\\ -0.4\\ 0.8\\ 1.2\\ -0.2\\ -3.2\\ -2.4\\ -2.2\\ -3.2\\ -2.4\\ -2.2\\ -1.7\\ -1.9\\ 2.2\\ 2.1\\ -0.4\\ 3.0\\ 3.0\\ -0.1\end{array}$ | $\begin{array}{c} -1.6\\ 0.7\\ -2.7\\ 3.4\\ -5.5\\ -7.3\\ 10.7\\ 1.0\\ 12.2\\ -0.5\\ -13.7\\ 3.0\\ -0.7\\ -3.0\\ -0.7\\ 0.7\\ -4.0\\ 1.7\\ 4.7\\ -5.2\\ 0.5\\ 3.6\\ 5.1\\ -0.5\\ 3.6\\ 5.1\\ -0.5\\ 0.8\\ 0.7\\ -0.1\end{array}$ | -0.<br>0.<br>-0.<br>-0.<br>-1.<br>1.<br>1.<br>1.<br>1.<br>0.<br>0.<br>-0.<br>-0.<br>-1.<br>-1.<br>0.<br>0.<br>0.<br>-0.<br>-3.<br>-3.<br>-4.<br>3.<br>1.<br>2.<br>6.<br>1. |
| 2020 Jan<br>Feb<br>Mar<br>Apr<br>May<br>Jun<br>Jul<br>Aug<br>Sep<br>Oct<br>Nov<br>Dec<br>2021 Jan<br>Feb<br>Mar<br>Apr<br>May<br>Jun<br>Jul<br>Aug<br>Sep<br>Oct<br>Nov<br>Dec<br>2021 Jan<br>Feb<br>Mar<br>Apr<br>May<br>Jun<br>Jul<br>Dec<br>2021 Jan<br>Cot<br>Nov<br>Dec<br>2021 Jan<br>Dec<br>2022 Jan | 0.0<br>0.0<br>0.1<br>0.1<br>-0.1<br>-0.3<br>-0.1<br>0.2<br>0.4<br>0.4<br>0.0<br>0.1<br>0.2<br>0.4<br>0.4<br>0.0<br>0.1<br>0.2<br>0.3<br>0.0<br>0.2<br>0.5<br>0.5<br>0.5<br>0.5                  | 0.3<br>0.1<br>0.6<br>1.0<br>1.2<br>1.2<br>-0.6<br>-1.7<br>-3.4<br>-3.7<br>-2.6<br>-0.5<br>-0.5<br>-0.5<br>-1.1<br>2.0<br>-0.4<br>0.5<br>3.4<br>7.2<br>8.8<br>11.1<br>11.3<br>9.3<br>9.3<br>6.4               | -0.1<br>0.2<br>-0.2<br>-0.2<br>-0.3<br>-0.6<br>-0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2<br>0.2   | 0.2<br>0.1<br>0.0<br>-0.3<br>-1.5<br>-1.9<br>-1.4<br>-0.3<br>0.1<br>0.2<br>0.0<br>-0.2<br>2.2<br>2.1<br>2.1<br>2.1<br>2.1<br>2.1<br>2.4<br>3.5<br>3.4<br>2.9<br>3.4<br>2.2<br>1.4<br>0.7<br>0.9<br>1.2<br>-1.6 | 0.0<br>0.1<br>-0.2<br>-0.3<br>-0.3<br>-0.7<br>-0.2<br>0.3<br>0.4<br>0.5<br>0.3<br>-0.1<br>0.1<br>0.1<br>0.4<br>0.1<br>0.4<br>0.1<br>0.1<br>0.2<br>0.1<br>0.2<br>0.1<br>1.02<br>0.1<br>1.7     | -0.3<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.9<br>-0.8<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.1<br>-0.4<br>-0.5<br>-0.5<br>-0.8<br>-1.4<br>-1.2<br>-0.8<br>-0.7<br>-0.5<br>-2.6<br>-3.2                   | $\begin{array}{c} -0.1\\ 0.0\\ 0.0\\ -0.4\\ -0.6\\ -0.5\\ 0.0\\ -0.1\\ -0.1\\ -0.1\\ 0.0\\ -0.1\\ 0.5\\ 1.1\\ 1.7\\ 1.0\\ 1.5\\ 1.3\\ 1.4\\ 0.0\\ -0.4\\ -0.2\\ 0.7\\ 1.3\\ -0.6\\ -0.8\end{array}$   | -0.3<br>-0.1<br>-0.5<br>-0.4<br>-0.4<br>-0.1<br>0.0<br>0.0<br>0.3<br>0.5<br>0.1<br>0.2<br>-0.3<br>0.0<br>0.5<br>1.3<br>0.4<br>0.5<br>0.3<br>0.2<br>0.0<br>0.4<br>0.4<br>0.4<br>0.4<br>0.4<br>1.1<br>1.0.1                       | -0.1<br>0.2<br>0.2<br>-0.1<br>-0.2<br>-0.1<br>0.3<br>0.4<br>0.4<br>0.0<br>0.1<br>0.3<br>-0.1<br>0.3<br>-0.1<br>0.3<br>0.3<br>-0.1<br>0.3<br>-0.3<br>-0.3<br>-0.3<br>-0.3<br>-0.3<br>-0.3<br>-0.4<br>0.5<br>0.2<br>0.2<br>-0.2<br>-0.2<br>-0.2<br>-0.2<br>-0.2<br>-0.2<br>- | $\begin{array}{c} -0.2\\ -0.2\\ -0.1\\ 0.0\\ 0.0\\ -0.1\\ -0.2\\ 0.1\\ -0.1\\ -0.2\\ -0$ | $\begin{array}{c} 0.1\\ -0.2\\ 0.3\\ 0.1\\ 0.6\\ -0.2\\ -0.4\\ 0.0\\ 0.1\\ 0.1\\ 0.6\\ 0.4\\ 0.2\\ 0.3\\ -0.1\\ 0.2\\ -0.4\\ 1.2\\ 2.5\\ 2.5\\ 2.5\\ 2.5\\ 2.4\\ 2.5\\ 2.4\\ 2.5\\ 2.1\\ 2.6\\ 5.8\end{array}$ | 0.0<br>0.2<br>-0.1<br>0.2<br>0.5<br>-0.6<br>-0.2<br>0.1<br>1.1<br>0.1<br>-0.1<br>-0.3<br>-0.3<br>-0.2<br>-20.4<br>-27.4<br>-12.2<br>-0.1<br>-2.5<br>-3.3<br>-6.8<br>-8.3<br>-6.8<br>-8.3<br>-0.3                                 | $\begin{array}{c} -0.3 \\ -0.3 \\ -0.3 \\ 0.2 \\ -0.7 \\ -1.0 \\ -0.4 \\ -0.4 \\ -0.4 \\ -0.4 \\ -0.4 \\ -0.4 \\ -0.1 \\ -0.5 \\ 0.2 \\ 0.5 \\ 0.2 \\ 0.5 \\ 0.2 \\ 0.5 \\ 0.4 \\ 1.3 \\ 1.9 \\ 2.9 \\ 1.0 \\ 1.4 \\ 1.1 \\ 2.4 \\ 1.5 \\ 0.6 \\ 1.0 \end{array}$ | 0.1<br>0.2<br>0.2<br>0.3<br>0.3<br>0.5<br>0.5<br>0.6<br>0.8<br>1.0<br>0.7<br>0.7<br>0.7<br>0.7<br>0.7<br>0.7<br>0.7<br>0.6<br>0.3<br>0.3<br>0.2<br>0.2<br>0.2<br>0.4<br>-0.4<br>-0.6<br>-0.2 | 0.0<br>0.0<br>0.0<br>-0.1<br>0.0<br>-0.1<br>0.0<br>0.0<br>0.0<br>0.1<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0 | 0.0<br>-0.2<br>-0.3<br>-0.6<br>-1.3<br>-0.9<br>-1.9<br>-1.5<br>-1.4<br>-1.4<br>-0.9<br>-0.9<br>-0.9<br>-0.4<br>0.3<br>1.7<br>1.4<br>1.4<br>1.4<br>1.4<br>3.3<br>3.3<br>3.3 | $\begin{array}{c} 0.1\\ 0.1\\ 0.1\\ -0.6\\ -0.9\\ -1.0\\ -1.0\\ -1.1\\ -1.0\\ -0.6\\ -0.5\\ -0.5\\ -0.5\\ -0.6\\ -0.6\\ -0.3\\ 1.1\\ 2.1\\ 2.4\\ 2.4\\ 1.5\\ 1.5\\ 1.5\\ 1.3\\ 1.5\\ 2.2\\ 3.4\end{array}$ | $\begin{array}{c} 0.0\\ 0.1\\ 0.0\\ -0.1\\ -0.2\\ -0.2\\ -0.2\\ -0.1\\ -0.3\\ -0.5\\ -0.4\\ -0.4\\ -0.4\\ -0.4\\ -0.4\\ -0.2\\ -0.1\\ -0.1\\ -0.2\\ -0.2\\ -0.2\\ -0.2\\ 0.0\\ 0.9\\ 0.0\\ 2.5\\ \end{array}$ | $\begin{array}{c} 0.0\\ 0.1\\ 1.1\\ 4.0\\ 1.6\\ 1.1\\ 1.2\\ 2.0\\ 5.3\\ 2.9\\ 2.9\\ 2.9\\ 2.4\\ 2.6\\ 1.8\\ 1.7\\ -8.0\\ -3.7\\ -1.6\\ 1.1\\ -1.1\\ -6.5\\ -4.7\\ -4.0\\ -3.7\\ -3.9\\ -3.9\\ -4.5\\ \end{array}$ | -0.2<br>-0.2<br>0.1<br>0.7<br>0.8<br>1.2<br>1.3<br>1.7<br>2.3<br>1.2<br>0.6<br>-0.4<br>1.1<br>2.4<br>3.1<br>2.6<br>0.3<br>-0.9<br>-0.2<br>-0.3<br>-1.0<br>0.3<br>1.0<br>0.3<br>1.5<br>-2.3  | $\begin{array}{c} 1.3\\ 1.2\\ -1.4\\ -1.4\\ -2.6\\ -2.5\\ -1.7\\ 0.4\\ 0.5\\ 0.1\\ -0.2\\ 0.3\\ 0.3\\ 0.2\\ -0.2\\ -2.4\\ -1.7\\ -5.2\\ -9.6\\ -11.1\\ -8.3\\ -8.2\\ -3.8\\ -0.3\\ -2.0\end{array}$                 | $\begin{array}{c} -1.6\\ -0.8\\ -3.5\\ 0.8\\ -2.6\\ -7.3\\ -3.1\\ -1.8\\ 8.4\\ 7.6\\ -2.1\\ -0.5\\ 0.1\\ -0.7\\ -7.3\\ 7.9\\ 9.3\\ 0.8\\ 3.1\\ -5.5\\ -5.7\\ 10.5\\ 6.6\\ 9.6\end{array}$  | -00<br>00<br>-00<br>-1<br>-1<br>-1<br>-1<br>-00<br>00<br>-00<br>-00<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1<br>-1                          |

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

 1 The GVA output is designated as a National Statistic.
 Sources: For further information on these data please telephone

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

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

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

| riods | open | for | revision: | 2020 | Jan | - ) | 2022 | Jan | 1 |
|-------|------|-----|-----------|------|-----|-----|------|-----|---|
|       |      |     |           |      |     |     |      |     |   |

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

| GV/<br>be<br>print<br>Section //<br>2019 weights //<br>Contribution to growth, latest 3 months on //<br>EDN<br>2020 Feb -00<br>Mar -22<br>Apr -11:<br>May -18<br>Jun -19<br>Jul -5:<br>Aug 99<br>Sep 177<br>Oct 12<br>Nov 55<br>Dec 11<br>2021 Jan -11<br>Feb -1:<br>Mar -11<br>Apr 22<br>Nov 55<br>Dec 11<br>Mar -11<br>Apr 22<br>Nov 55<br>Dec 11<br>Mar -11<br>May 55<br>Dec 11<br>Mar -11<br>Mar -11<br>Sep 17<br>Oct 12<br>Nov 55<br>Dec 11<br>Mar -11<br>Apr 22<br>Nov 55<br>Dec 11<br>Mar -11<br>Mar -11<br>Sep 2020 Feb 00<br>Dec 12<br>Mar -11<br>Mar -11<br>Mar -11<br>Apr 22<br>May 24<br>Jun 55<br>Jul 33<br>Aug 22<br>Sep 00              | basic fr<br>prices<br>A-T<br>1000   | Agriculture,<br>forestry and<br>fishing<br>7<br>3 months<br>EDMC<br>-0.05<br>-0.05<br>-0.08 | Total<br>production<br>industries<br>B-E<br>137<br>EDMD<br>-0.11 | Mining &<br>quarrying M<br>B<br>11<br>EDME | Manufacturing<br>C<br>99<br>EDMF | Electricity<br>gas, steam<br>and air<br>D<br>15 | Water<br>supply,<br>sewerage<br>etc<br>E<br>12 | Construction<br>F<br>64 | Total<br>service<br>industries<br>G-T<br>792 | Wholesale<br>and retail:<br>repair of<br>motor vehicles<br>and motorcycles<br>G | A<br>Transport<br>and storage | ections (SIC2007<br>ccommodation<br>and food<br>service<br>activities | Information<br>and a |                | Real estate    | scientific<br>and technical | Administrative<br>and support adr<br>service | and                  |                | Human health<br>and social | Arts,<br>entertainment | Other<br>service | Activities of<br>households<br>as employers,<br>undifferentiated |
|--|---|---|--|--|----------------------------------|---|--|-------------------------|--|---|-------------------------------|---|----------------------|----------------|----------------|-----------------------------|--|----------------------|----------------|----------------------------|------------------------|------------------|--|
| GV/<br>be<br>prive<br>2019 weights   | WA at         //           basic         fr           prices         fr           A-T         fr           1000         fr           on previous         fr           DMB         -0.16           -2.67         11.04           18.60         19.26           -5.64         -5.64 | forestry and<br>fishing<br>A<br>7<br>3 months<br>EDMC<br>-0.05<br>-0.05                     | production<br>industries<br>B-E<br>137<br>EDMD                   | quarrying M<br>B<br>11                     | Manufacturing<br>C<br>99         | gas, steam<br>and air<br>D                      | supply,<br>sewerage<br>etc<br>E                | F                       | service<br>industries<br>G-T                 | repair of<br>motor vehicles<br>and motorcycles                                  | Transport<br>and storage      | and food service  | and a                | ind insurance  |                | scientific<br>and technical | and support adr                              | lministration<br>and |                |                            | entertainment          | service          | as employers,  |
| base           Section         10           2019 weights         10           Contribution to growth, latest 3 months on         EDI           2020         Feb         -0           Mar         -2           Apr         -11.           May         -18           Jun         -19           Jul         -5           Aug         9           Sep         17           Oct         12           Nov         5           Dec         1.           Z021         Jan         -1.           Mar         -1.           Mar         -1.           Aug         9.           Sep         17.           Oct         12           Nov         5           Dec         1.           Mar         -1.           Mar         -1.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0 | basic fr<br>prices<br>A-T<br>1000<br>Propertious<br>DMB<br>-0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64   | forestry and<br>fishing<br>A<br>7<br>3 months<br>EDMC<br>-0.05<br>-0.05                     | production<br>industries<br>B-E<br>137<br>EDMD                   | quarrying M<br>B<br>11                     | Manufacturing<br>C<br>99         | gas, steam<br>and air<br>D                      | sewerage<br>etc<br>E                           | F                       | service<br>industries<br>G-T                 | motor vehicles<br>and motorcycles   | and storage                   | service   | and a                | ind insurance  |                | and technical               |  | and                  |                |                            | entertainment          | service          |  |
| Section         10           2019 weights         10           Contribution to growth, latest 3 months on         EDI           2020         Feb         -0.           Mar         -2.           Apr         -11.           May         -18.           Jun         -19.           Jul         -5.           Aug         9.           Sep         17.           Oct         12.           Nov         5.           Dec         1.           Mar         -1.           Mar         -1.           Nov         5.           Dec         1.           Mar         -1.           Mar         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0  | A-T<br>1000<br>n previous<br>DMB<br>-0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64  | A<br>7<br>3 months<br>EDMC<br>-0.05<br>-0.05  | B-E<br>137<br>EDMD   | B<br>11                                    | C<br>99                          | D   | E  | F                       | G-T  | ,   | ÿ                             | activities  | Communication        |                |                |                             |  |                      |                |                            |                        |                  |  |
| 2019 weights         11           Contribution to growth, latest 3 months on         EDI           2020         Feb         -0           Mar         -2           Apr         -11.           May         -18           Jun         -19           Jul         -5           Aug         9           Sep         17.           Oct         12           Nov         5.           Dec         1.           Mar         -1.           Apr         -1.           May         4.4           Jun         5.           Jul         -5.           Jul         -5.           Jul         -5.           Jun         -1.           Apr         -2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0  | 1000<br>on previous<br>DMB<br>-0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64  | 7<br>3 months<br>EDMC<br>-0.05<br>-0.05   | 137<br>EDMD  | 11   | 99                               |   | -  |                         |  | G   |                               |   | Communication        | activities     | activities     | activities                  | activities                                   |                      |                |                            | and recreation         |                  | goods and services   |
| Contribution to growth, latest 3 months on           2020         Feb         -0           Mar         -2           Apr         -11.           May         -18           Jun         -19           Jul         -5           Aug         9           Sep         17           Oct         12           Nov         5           Dec         1.           2021         Jan         -1.           Mar         -1.           Mar         -1.           Mar         -1.           May         4.           Jun         5.           Jul         3.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.   | -0.16<br>-0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64   | 3 months<br>EDMC<br>-0.05<br>-0.05  | EDMD   |  |                                  | 13  | 12   | 04                      |  | 105   | H<br>40                       | 29  | J<br>62              | K<br>82        | L<br>131       | M<br>74                     | N<br>51                                      | 0<br>48              | P<br>59        | Q<br>76                    | R<br>16                | <u>S</u><br>17   | 2  |
| EDV<br>2020 Feb -0<br>Mar -2<br>Apr -11<br>May -18<br>Jun -19<br>Jul -5<br>Aug 9<br>Sep 17<br>Oct 12<br>Nov 55<br>Dec 11<br>2021 Jan -1<br>Feb -1<br>Mar -1<br>Apr 22<br>May 4<br>Jun 55<br>Jul 33<br>Aug 22<br>Sep 00   | -0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64  | <b>EDMC</b><br>-0.05<br>-0.05   |  | EDME                                       | EDME                             |   |  |                         | ,,,_   | 105   | 40                            | 29  | 02                   | 82             | 131            | 74                          |  | 40                   |                | 70                         | 10                     | 1/               | 2  |
| 2020         Feb         -0           Mar         -2           Apr         -11           May         -18           Jun         -19           Jul         -5           Aug         9           Sep         17           Oct         12           Nov         5           Dec         11           Mar         -1           Apr         2           May         4           Jun         5           Jul         5           Jul         5           Jun         5           Jun         5           Jun         5           Jul         3           Apr         2           Sep         0  | -0.16<br>-2.67<br>11.04<br>18.60<br>19.26<br>-5.64  | -0.05<br>-0.05  |  | EDME                                       | EDME                             |   |  |                         |  |   |                               |   |                      |                |                |                             |  |                      |                |                            |                        |                  |  |
| Mar         -2.           Apr         -11.           May         -18.           Jun         -19.           Jul         -5.           Aug         9.           Sep         17.           Oct         12.           Nov         5.           Dec         1.           2021         Jan         -1.           Mar         -1.           Mar         -1.           Mar         -1.           Jun         5.           Jul         3.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0  | -2.67<br>11.04<br>18.60<br>19.26<br>-5.64   | -0.05   | -0.11  |  | CDINIT                           | EDMG  | EDMH   | EDMI                    | EDMJ   | EDMK  | EDML                          | EDMM  | EDMN                 | EDMO           | EDMP           | EDMQ                        | EDMR   | EDMS                 | EDMT           | EDMU                       | EDMV                   | EDMW             | EDMX   |
| Apr         -11.           May         -18.           Jun         -19.           Jul         -5.           Aug         9.           Sep         17.           Oct         12.           Nov         5.           Dec         1.           2021         Jan         -1.           Feb         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.   | 11.04<br>18.60<br>19.26<br>-5.64  |   |  | -0.06                                      | 0.00                             | -0.04   | 0.00   | -0.02                   | 0.02   | -0.06   | -0.05                         | 0.07  | -0.09                | -0.09          | 0.03           | -0.02                       | 0.02   | 0.03                 | -0.02          | 0.17                       | 0.04                   | -0.02            | 0.01   |
| May         -18           Jun         -19           Jul         -5           Aug         9           Sep         17           Oct         12           Nov         5           Dec         1           Z021         Jan         -1           Feb         -1         Mar         -1           Mar         -1         Jun         5           Jun         5         Jul         3           Jun         5         Jul         3           Aug         2         Sep         0  | 18.60<br>19.26<br>-5.64   |   | -0.33<br>-1.40   | -0.03<br>-0.05                             | -0.22<br>-1.21                   | -0.08<br>-0.11                                  | 0.01<br>-0.03                                  | -0.12<br>-1.08          | -2.15<br>-8.47                               | -0.40<br>-1.66  | -0.23<br>-0.70                | -0.27<br>-1.21  | -0.07<br>-0.18       | -0.09<br>-0.22 | 0.02<br>-0.07  | -0.06<br>-0.46              | -0.21<br>-0.82                               | 0.03<br>0.03         | -0.69<br>-1.68 | 0.02<br>-0.74              | -0.09<br>-0.37         | -0.11<br>-0.32   | -0.02<br>-0.06   |
| Jul         -5.           Aug         9.           Sep         17.           Oct         12.           Nov         5.           Dec         1.           2021         Jan         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0   | -5.64   | -0.10   | -2.33  | -0.07                                      | -2.07                            | -0.12   | -0.06  | -1.86                   | -14.32                                       | -2.58   | -1.06                         | -2.13   | -0.44                | -0.37          | -0.21          | -0.92                       | -1.38  | 0.02                 | -2.48          | -1.49                      | -0.66                  | -0.52            | -0.09  |
| Aug         9.           Sep         17.           Oct         12.           Nov         5.           Dec         1.           Feb         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0  |   | -0.11   | -2.41  | -0.02                                      | -2.19                            | -0.12   | -0.07  | -2.23                   | -14.52                                       | -2.13   | -1.03                         | -2.31   | -0.59                | -0.43          | -0.32          | -1.18                       | -1.43  | 0.02                 | -2.10          | -1.62                      | -0.70                  | -0.61            | -0.09  |
| Sep         17.           Oct         12.           Nov         5.           Dec         1.           2021         Jan         -1.           Feb         -1         1.           Mar         -1.         Apr           Jun         5.         Jul           Jul         3.         Aug           Sep         0.0         2.  | 9.82  | -0.06   | -0.42  | 0.03                                       | -0.43                            | -0.01   | -0.01  | -0.65                   | -4.51  | 0.50  | -0.36                         | -0.96   | -0.32                | -0.16          | -0.23          | -0.62                       | -0.65  | 0.02                 | -0.56          | -0.54                      | -0.38                  | -0.20            | -0.04  |
| Oct         12           Nov         5           Dec         1           2021         Jan         -1           Feb         -1         1           Mar         -1         1           Apr         2         1           Jun         5         Jul         3           Aug         2         5         9         0   | 17.93   | -0.01<br>0.03   | 1.55   | 0.06<br>-0.04                              | 1.31<br>2.16                     | 0.12  | 0.06<br>0.08                                   | 1.00                    | 7.27<br>13.44                                | 2.89<br>3.15  | 0.33                          | 0.96  | 0.12<br>0.40         | 0.11           | -0.06<br>0.12  | 0.12<br>0.66                | 0.28   | 0.03                 | 1.44<br>2.71   | 0.76                       | 0.09                   | 0.18             | 0.03   |
| Nov         5.           Dec         1.           2021         Jan         1.           Feb         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.  | 17.93<br>12.14  | 0.03  | 2.38<br>1.41   | -0.04                                      | 2.16                             | 0.18<br>0.09                                    | 0.08   | 2.08<br>1.35            | 9.36   | 3.15<br>1.51  | 0.65<br>0.44                  | 2.21<br>1.56  | 0.40                 | 0.34<br>0.31   | 0.12           | 0.66                        | 0.66<br>0.45                                 | 0.03<br>0.02         | 2.71           | 1.56<br>1.21               | 0.37<br>0.29           | 0.50<br>0.15     | 0.09<br>0.08   |
| Dec         1.           2021         Jan         -1.           Feb         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.  | 5.37  | 0.02  | 0.68   | -0.08                                      | 0.75                             | 0.00  | 0.04   | 0.73                    | 3.96   | 0.13  | 0.26                          | 0.12  | 0.15                 | 0.25           | 0.08           | 0.45                        | 0.20   | 0.02                 | 1.39           | 0.79                       | 0.13                   | -0.05            | 0.03   |
| Feb         -1.           Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.0   | 1.48  | -0.01   | 0.36   | -0.02                                      | 0.41                             | -0.04   | 0.01   | 0.31                    | 0.82   | -0.22   | 0.19                          | -0.72   | 0.08                 | 0.16           | 0.04           | 0.36                        | 0.16   | 0.01                 | 0.43           | 0.34                       | 0.06                   | -0.07            | 0.00   |
| Mar         -1.           Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.  | -1.31   | -0.01   | 0.16   | -0.01                                      | 0.16                             | 0.00  | 0.02   | 0.08                    | -1.56  | -0.65   | 0.09                          | -1.01   | 0.03                 | 0.09           | 0.05           | 0.17                        | 0.07   | 0.01                 | -0.61          | 0.19                       | 0.01                   | 0.02             | -0.01  |
| Apr         2.           May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.  | -1.54   | 0.00  | 0.00   | -0.01                                      | -0.05                            | 0.04  | 0.03   | -0.03                   | -1.52  | -0.54   | 0.00                          | -0.53   | 0.00                 | 0.10           | 0.07           | 0.13                        | 0.06   | 0.03                 | -1.27          | 0.16                       | 0.05                   | 0.11             | 0.00   |
| May         4.           Jun         5.           Jul         3.           Aug         2.           Sep         0.   | 2.07  | 0.02<br>0.02  | -0.04<br>0.05  | -0.02<br>-0.05                             | -0.09<br>0.05                    | 0.04<br>0.04                                    | 0.03<br>0.03                                   | 0.06<br>0.28            | -1.32<br>1.73                                | -0.58<br>0.33   | -0.08<br>0.00                 | -0.35<br>0.13   | 0.05<br>0.13         | 0.13<br>0.11   | 0.07<br>-0.03  | 0.13<br>0.28                | 0.06<br>0.14                                 | 0.05<br>0.05         | -1.43<br>-0.36 | 0.62<br>0.91               | 0.03<br>0.06           | -0.11<br>0.01    | 0.00<br>0.01   |
| Jun 5.<br>Jul 3.<br>Aug 2.<br>Sep 0.   | 4.33  | 0.02  | 0.05   | -0.07                                      | 0.00                             | 0.05  | 0.00   | 0.20                    | 3.81   | 0.85  | 0.05                          | 0.53  | 0.23                 | -0.04          | -0.03          | 0.25                        | 0.20   | 0.03                 | 0.78           | 1.07                       | 0.00                   | 0.01             | 0.00   |
| Aug 2.<br>Sep 0.   | 5.50  | 0.02  | 0.09   | -0.11                                      | 0.18                             | 0.05  | 0.00   | 0.25                    | 5.18   | 1.29  | 0.11                          | 1.14  | 0.24                 | -0.17          | -0.09          | 0.17                        | 0.21   | 0.01                 | 1.46           | 0.68                       | 0.14                   | 0.14             | 0.01   |
| Sep 0.   | 3.81  | 0.02  | 0.05   | -0.05                                      | 0.09                             | 0.01  | 0.01   | 0.05                    | 3.73   | 0.67  | 0.11                          | 1.26  | 0.18                 | -0.20          | -0.06          | 0.10                        | 0.22   | 0.00                 | 1.08           | 0.37                       | 0.16                   | -0.08            | -0.01  |
|  | 2.06  | 0.03  | -0.03  | 0.02                                       | 0.02                             | -0.09   | 0.02   | -0.09                   | 2.17   | 0.14  | 0.17                          | 1.08  | 0.11                 | -0.10          | -0.03          | 0.11                        | 0.17   | 0.00                 | 0.51           | -0.05                      | 0.16                   | -0.10            | -0.01  |
|  | 0.94  | 0.03  | 0.04   | 0.13                                       | 0.00                             | -0.13   | 0.01   | -0.09                   | 0.97   | -0.29   | 0.21                          | 0.70  | 0.02                 | -0.01          | -0.04          | 0.15                        | 0.17   | 0.01                 | 0.00           | -0.10                      | 0.16                   | -0.04            | -0.02  |
|  | 0.87<br>1.23  | 0.02<br>0.01  | -0.02<br>-0.02   | 0.12<br>0.05                               | -0.04<br>-0.01                   | -0.14<br>-0.09                                  | 0.00<br>0.01                                   | -0.06<br>0.03           | 0.95<br>1.23                                 | -0.23<br>-0.10  | 0.24<br>0.26                  | 0.43<br>0.15  | 0.03<br>0.01         | 0.03<br>0.01   | -0.02<br>-0.04 | 0.20<br>0.31                | 0.20<br>0.26                                 | 0.02<br>0.01         | -0.23<br>-0.27 | -0.03<br>0.31              | 0.17<br>0.16           | 0.09<br>0.12     | 0.00<br>0.01   |
|  | 1.23  | 0.00  | -0.02  | -0.03                                      | 0.04                             | -0.05   | 0.03   | 0.06                    | 1.25   | -0.04   | 0.29                          | -0.10   | 0.07                 | -0.02          | -0.04          | 0.33                        | 0.20   | 0.00                 | -0.12          | 0.43                       | 0.10                   | 0.02             | 0.01   |
| 2022 Jan 1.  | 1.35  | 0.00  | 0.11   | -0.07                                      | 0.15                             | -0.01   | 0.04   | 0.14                    | 1.10   | -0.09   | 0.31                          | -0.22   | 0.12                 | 0.00           | -0.04          | 0.29                        | 0.28   | -0.01                | 0.03           | 0.35                       | 0.01                   | 0.07             | 0.02   |
| Feb 0.   | 0.96  | 0.00  | 0.14   | -0.05                                      | 0.17                             | 0.00  | 0.02   | 0.14                    | 0.68   | -0.23   | 0.25                          | -0.13   | 0.18                 | 0.04           | -0.02          | 0.13                        | 0.27   | -0.01                | 0.08           | 0.08                       | -0.03                  | 0.06             | 0.02   |
| Contribution to growth, latest 3 months on   | on same 3 m   | nonths a year a   | ago  |  |                                  |   |  |                         |  |   |                               |   |                      |                |                |                             |  |                      |                |                            |                        |                  |  |
| EDI  | DMY   | EDMZ  | EDNA   | EDNB                                       | EDNC                             | EDND  | EDNE   | EDNF                    | EDNG   | EDNH  | EDNI                          | EDNJ  | EDNK                 | EDNL           | EDNM           | EDNN                        | EDNO   | EDNP                 | EDNQ           | EDNR                       | EDNS                   | EDNT             | EDNU   |
|  | 0.68<br>-2.17   | 0.10<br>0.06  | -0.25<br>-0.61   | -0.46<br>-0.40                             | 0.06<br>-0.30                    | 0.12<br>0.08                                    | 0.00<br>0.00                                   | -0.18<br>-0.31          | 1.01<br>-1.31                                | -0.05<br>-0.46  | -0.02<br>-0.20                | 0.11<br>-0.24   | 0.03<br>-0.01        | -0.12<br>-0.13 | 0.12<br>0.09   | 0.14<br>0.12                | 0.08<br>-0.17                                | 0.16<br>0.14         | 0.18<br>-0.46  | 0.29<br>0.12               | 0.04<br>-0.07          | 0.05<br>-0.04    | 0.01<br>-0.01  |
|  | 10.73   | 0.00  | -1.67  | -0.40                                      | -1.30                            | 0.00  | -0.04  | -1.33                   | -7.73  | -1.75   | -0.69                         | -0.24<br>-1.14  | -0.21                | -0.13          | -0.01          | -0.31                       | -0.77  | 0.14                 | -0.40          | -0.59                      | -0.33                  | -0.04            | -0.05  |
| •  | 18.40   | -0.04   | -2.57  | -0.29                                      | -2.12                            | -0.08   | -0.07  | -2.17                   | -13.63                                       | -2.68   | -1.08                         | -2.03   | -0.49                | -0.41          | -0.15          | -0.75                       | -1.34  | 0.13                 | -2.38          | -1.26                      | -0.61                  | -0.49            | -0.09  |
| Jun -21.   | 21.18   | -0.07   | -2.71  | -0.16                                      | -2.33                            | -0.14   | -0.09  | -2.66                   | -15.75                                       | -2.53   | -1.20                         | -2.50   | -0.70                | -0.49          | -0.26          | -1.05                       | -1.54  | 0.12                 | -2.60          | -1.51                      | -0.74                  | -0.64            | -0.10  |
|  | 16.00   | -0.08   | -1.90  | -0.11                                      | -1.64                            | -0.09   | -0.06  | -1.92                   | -12.10                                       | -1.27   | -0.99                         | -2.03   | -0.60                | -0.42          | -0.25          | -0.92                       | -1.36  | 0.12                 | -2.05          | -1.11                      | -0.66                  | -0.46            | -0.09  |
|  | 10.69   | -0.10   | -1.15  | -0.09                                      | -1.00                            | -0.02   | -0.03  | -1.24                   | -8.20  | -0.28   | -0.81                         | -1.30   | -0.46                | -0.38          | -0.21          | -0.79                       | -1.15  | 0.12                 | -1.26          | -0.69                      | -0.56                  | -0.36            | -0.06  |
|  | -7.36<br>-6.00  | -0.12<br>-0.14  | -0.81<br>-0.68   | -0.16<br>-0.16                             | -0.64<br>-0.48                   | 0.02<br>-0.02                                   | -0.02<br>-0.01                                 | -0.78<br>-0.54          | -5.65<br>-4.64                               | -0.04<br>-0.02  | -0.71<br>-0.65                | -0.77<br>-0.69  | -0.40<br>-0.35       | -0.32<br>-0.25 | -0.17<br>-0.16 | -0.65<br>-0.55              | -1.08<br>-0.99                               | 0.11<br>0.10         | -0.51<br>-0.13 | -0.34<br>-0.13             | -0.47<br>-0.42         | -0.27<br>-0.38   | -0.03<br>-0.02   |
|  | -5.96   | -0.15   | -0.57  | -0.15                                      | -0.34                            | -0.02   | 0.00   | -0.41                   | -4.83  | -0.02   | -0.60                         | -1.16   | -0.30                | -0.14          | -0.15          | -0.43                       | -0.96  | 0.08                 | -0.08          | 0.00                       | -0.42                  | -0.45            | -0.02  |
|  | -5.95   | -0.14   | -0.47  | -0.11                                      | -0.27                            | -0.09   | 0.01   | -0.37                   | -4.97  | -0.20   | -0.55                         | -1.45   | -0.26                | -0.08          | -0.15          | -0.34                       | -0.93  | 0.07                 | -0.21          | -0.01                      | -0.43                  | -0.36            | -0.04  |
|  | -7.09   | -0.12   | -0.41  | -0.08                                      | -0.28                            | -0.05   | 0.01   | -0.44                   | -6.15  | -0.55   | -0.56                         | -1.67   | -0.20                | -0.02          | -0.11          | -0.35                       | -0.94  | 0.08                 | -0.83          | -0.07                      | -0.45                  | -0.35            | -0.04  |
|  | -7.26   | -0.09   | -0.44  | -0.08                                      | -0.37                            | 0.01  | 0.03   | -0.41                   | -6.34  | -0.62   | -0.55                         | -1.68   | -0.21                | 0.04           | -0.11          | -0.30                       | -0.90  | 0.08                 | -1.27          | -0.05                      | -0.41                  | -0.32            | -0.04  |
|  | -4.60   | -0.07   | -0.17  | -0.08                                      | -0.14                            | 0.03  | 0.03   | -0.19                   | -4.19  | -0.37   | -0.40                         | -1.49   | -0.14                | 0.13           | -0.11          | -0.17                       | -0.67  | 0.10                 | -0.81          | 0.56                       | -0.32                  | -0.36            | -0.02  |
|  | 6.60<br>18.88   | -0.02<br>0.02   | 1.08<br>2.36   | -0.10<br>-0.11                             | 1.05<br>2.22                     | 0.11<br>0.21                                    | 0.08<br>0.12                                   | 0.99<br>2.15            | 4.52<br>14.33                                | 1.54<br>3.29  | 0.15<br>0.68                  | -0.45<br>1.03   | 0.11<br>0.53         | 0.34<br>0.45   | -0.07<br>0.03  | 0.41<br>1.05                | -0.01<br>0.79                                | 0.11<br>0.12         | 0.90<br>2.89   | 1.84<br>3.30               | -0.02<br>0.38          | -0.03<br>0.26    | 0.02<br>0.07   |
| ,  | 24.65   | 0.02  | 2.30   | -0.20                                      | 2.66                             | 0.21  | 0.12   | 2.76                    | 19.11  | 3.64  | 0.00                          | 2.24  | 0.83                 | 0.43           | 0.03           | 1.45                        | 1.15   | 0.12                 | 3.76           | 3.83                       | 0.63                   | 0.20             | 0.09   |
|  | 17.28   | 0.06  | 1.63   | -0.18                                      | 1.67                             | 0.14  | 0.10   | 1.78                    | 13.84  | 1.88  | 0.66                          | 1.92  | 0.65                 | 0.30           | 0.09           | 1.21                        | 0.91   | 0.09                 | 2.86           | 3.04                       | 0.55                   | 0.10             | 0.06   |
| Aug 10.  | 10.47   | 0.06  | 0.78   | -0.12                                      | 0.89                             | -0.01   | 0.07   | 0.97                    | 8.70   | 0.59  | 0.50                          | 1.28  | 0.49                 | 0.20           | 0.04           | 0.97                        | 0.66   | 0.08                 | 1.65           | 2.14                       | 0.43                   | -0.03            | 0.02   |
|  | 6.69  | 0.06  | 0.44   | -0.02                                      | 0.48                             | -0.08   | 0.06   | 0.51                    | 5.71   | 0.18  | 0.44                          | 0.85  | 0.40                 | 0.11           | -0.03          | 0.83                        | 0.61   | 0.07                 | 0.51           | 1.61                       | 0.39                   | -0.08            | -0.01  |
|  | 5.49<br>6.14  | 0.06  | 0.24   | 0.01                                       | 0.27                             | -0.10   | 0.06   | 0.34                    | 4.89   | 0.12  | 0.45                          | 0.84  | 0.37                 | 0.02           | -0.06          | 0.76                        | 0.63   | 0.08                 | -0.12          | 1.43                       | 0.41                   | 0.05             | -0.02  |
|  | 6.14<br>6.48  | 0.06<br>0.07  | 0.11<br>0.07   | 0.00<br>-0.03                              | 0.14<br>0.13                     | -0.10<br>-0.10                                  | 0.07<br>0.08                                   | 0.27<br>0.27            | 5.75<br>6.13                                 | 0.34<br>0.35  | 0.50<br>0.55                  | 1.26<br>1.40  | 0.35<br>0.39         | -0.04<br>-0.08 | -0.08<br>-0.10 | 0.81<br>0.80                | 0.72<br>0.76                                 | 0.08<br>0.07         | -0.26<br>-0.12 | 1.49<br>1.64               | 0.45<br>0.45           | 0.14<br>0.06     | 0.00<br>0.01   |
|  | 8.33  | 0.07  | 0.20   | -0.05                                      |                                  |   |  |                         |  |   |                               |   |                      | -0.07          |                |                             |  |                      |                |                            |                        |                  |  |
| Feb 8  |   |   |  |  | 0.27                             | -0.13   | 0.09   | 0.42                    | 7.65   | 0.69  | 0.70                          | 1.70  | 0.47                 | -0.07          | -0.15          | 0.91                        | 0.88   | 0.05                 | 0.50           | 1.49                       | 0.42                   | 0.10             | 0.01   |

seasonally adjusted 2019=100

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

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

| $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$  |                             |                    | s to growth of gro |            | p     |       |             |          |       |         |                |      | Industry section | s (SIC2007) | 2010-100      |            |               |         |      |       |              |               |         |  |
|--|-----------------------------|--------------------|--------------------|------------|-------|-------|-------------|----------|-------|---------|----------------|------|------------------|-------------|---------------|------------|---------------|---------|------|-------|--------------|---------------|---------|--|
| image         image <th< th=""><th></th><th></th><th>Agriculture.</th><th>Total</th><th></th><th></th><th>Electricity</th><th></th><th></th><th>Total</th><th>and retail:</th><th></th><th>Accommodation</th><th>. ,</th><th>Financial</th><th></th><th></th><th></th><th></th><th></th><th>Human health</th><th>Arts</th><th>Other</th><th>Activities of<br/>households<br/>as employers.</th></th<>  |                             |                    | Agriculture.       | Total      |       |       | Electricity |          |       | Total   | and retail:    |      | Accommodation    | . ,         | Financial     |            |               |         |      |       | Human health | Arts          | Other   | Activities of<br>households<br>as employers. |
| Inter         A         A         B <th></th> <th>basic</th> <th>forestry and</th> <th>production</th> <th>-</th> <th></th> <th>gas, steam</th> <th>sewerage</th> <th></th> <th>service</th> <th>motor vehicles</th> <th></th> <th>service</th> <th>and</th> <th>and insurance</th> <th></th> <th>and technical</th> <th>service</th> <th>and</th> <th></th> <th>and social</th> <th>entertainment</th> <th>service</th> <th>undifferentiated</th>   |                             | basic              | forestry and       | production | -     |       | gas, steam  | sewerage |       | service | motor vehicles |      | service          | and         | and insurance |            | and technical | service | and  |       | and social   | entertainment | service | undifferentiated                             |
| NH + QP         JB         JB <t< th=""><th>Section</th><th></th><th>ů.</th><th></th><th></th><th>Ŭ</th><th></th><th>etc</th><th></th><th></th><th>,</th><th>v</th><th></th><th></th><th></th><th>activities</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>goods and services</th></t<>   | Section                     |                    | ů.                 |            |       | Ŭ     |             | etc      |       |         | ,              | v    |                  |             |               | activities |               |         |      |       |              |               |         | goods and services                           |
| Prove prov |                             |                    |                    |            | D     |       | 5           | 12       | 1     |         | 0              |      |                  | 0           |               | 131        |               |         |      | !     | ~            |               | -       | 2  |
| Prove prov | -                           |                    |                    |            |       |       | -           |          |       |         |                |      |                  |             |               | -          |               | -       |      |       |              |               |         |  |
| no.       n  | Contributon to growth, late |                    |                    |            |       |       |             |          | 55//0 |         | 55//0          |      | 55//0            |             | 55//1         |            |               |         |      |       |              |               | 551.0   | 501.0  |
| mp         1.53         0.54         0.54         0.54         0.56         0  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| 4r         1.63         4.09         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4.64         4.07         4  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| i         i         j  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.05  |
| μ.         f. 1         0.0         0.9         0.0 <td></td> <td>-0.02</td>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.02  |
| ng         1.42         0.01         0.22         0.62         0.01         0  | Jun                         |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| No.         No. <td>Aua</td> <td></td>   | Aua                         |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| No.         -17         -010         014         -010         010 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.01</td> <td></td> <td>0.20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>0.37</td> <td></td> <td>-0.03</td> <td>0.01</td>  |                             |                    |                    |            |       |       | 0.01        |          | 0.20  |         |                |      |                  |             |               |            |               |         | 0.00 |       | 0.37         |               | -0.03   | 0.01   |
| bes         1.20         0.00         0.02         0.10         0.02         0.10         0.02         0.10         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.11         0.02         0.01         0.01         0.02         0.11         0.02         0.01   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.01  |
| 221       jm       -2.88       0.11       -1.07       0.00       -1.01       0.02       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       -1.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.02       0.03       0.03       0.02       0.03       0.03       0.02       0.04       0.04       0.04       0.03 </td <td></td>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Pro         OB         OD   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| erg         258         0.00         -0.01         -0.10         -0.01         -0.02         -0.02         -0.01         -0.02         -0.02         -0.01         -0.02         -0.01         -0.01         -0.0  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.00   |
| Mg         0.73         0.51         0.54         0.67         0.07         0  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.01  |
| uri         0.73         0.01         0.18         0.02         0.02         0.02         0.02         0.02         0.03         0.00   | •                           |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| M       0.11       0.01       0.01       0.01       0.02       0.01       0.02       0.01       0.02       0.01       0.02       0.01       0.02       0.01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| sep         0.75         0.60         0.77         0.61         0.61         0.67         0.11         0.08         0.11         0.01         0.12         0.02         0.02         0.03         0.11         0.18         0.01         0.11         0.01         0.11         0.01         0.11         0.02         0.01   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.01  |
| Ori         0.28         0.00         0.00         0.03         0.02         0.04         0.02         0.05         0.04         0.05   | U U                         |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.00   |
| Nov         0.77         0.00         0.12         0.02         0.03         0.00         0.05         0.00         0.01         0.01         0.02         0.00         0.01         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.01         0.02         0.01         0.01         0.01         0.02         0.01         0.01         0.01         0.02         0.01   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.01   |
| Dec         0.23         0.00         0.01         0.01         0.02         0.03         0.02         0.01         0.02         0.03         0.02         0.01         0.02         0.01         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01         0.02         0.01   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Feb         0.05         0.06         0.08         0.02         0.04         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01           Contraction or sum-verse           EDLF  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.00   |
| bit         Dots         Duts         Duts <thd< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.01</td></thd<>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.01   |
| EDL         EDL <td></td> <td></td> <td></td> <td></td> <td>-0.02</td> <td>-0.04</td> <td>-0.01</td> <td>-0.01</td> <td>-0.01</td> <td>0.13</td> <td>-0.14</td> <td>0.03</td> <td>0.24</td> <td>-0.02</td> <td>0.04</td> <td>-0.02</td> <td>0.04</td> <td>0.14</td> <td>0.01</td> <td>0.02</td> <td>-0.35</td> <td>0.13</td> <td>0.01</td> <td>0.00</td>   |                             |                    |                    |            | -0.02 | -0.04 | -0.01       | -0.01    | -0.01 | 0.13    | -0.14          | 0.03 | 0.24             | -0.02       | 0.04          | -0.02      | 0.04          | 0.14    | 0.01 | 0.02  | -0.35        | 0.13          | 0.01    | 0.00   |
| 220         Feb         0.05         0.07         -0.28         -0.37         -0.01         0.09         0.03         -0.10         0.11         0.14         -0.02         0.14         0.02         0.38         0.03         0.01         0.15         0.06         0.03         -0.15         0.06         0.03         0.02         0.14         0.02         0.14         0.02         0.14         0.02         0.14         0.02         0.13         -1.61         0.03         0.06         0.01         0.15         0.06         0.03         0.11         1.11         1.66         0.13         -1.61         0.03         0.01         0.11         2.28         0.01         0.13         -1.61         0.03         0.01         0.03         0.01         0.01         0.11         1.11         1.66         0.03         0.01   | Contribution to growth, la  | itest month on sar | ne month a year    | ago        |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Mar         7.42         0.02         -1.25         -0.39         -0.08         -0.01         -0.15         -0.06         -0.03         -0.03         -1.01         -0.03         -0.03         -1.01         -0.03         -0.03         -1.01         -0.03         -0.03         -1.01         -0.03         -1.01         -0.03         -1.01         -0.03         -1.01         -0.03         -0.03         -1.01         -1.01         -0.03         -0.03         -1.01         -1.05         -0.04         -0.03         -0.03         -1.01         -1.05         -0.03         -0.03         -0.11         -1.01         -0.01         -0.05         -0.01         -0.05         -0.01         -0.05         -0.01         -0.  |                             | EDLE               | EDLF               | EDLG       | EDLH  | EDLI  | EDLJ        | EDLK     | EDLL  | EDLM    | EDLN           | EDLO | EDLP             | EDLQ        | EDLR          | EDLS       | EDLT          | EDLU    | EDLV | EDLW  | EDLX         | EDLY          | EDLZ    | EDMA   |
| Apr         248         0.06         3.48         0.27         2.97         0.16         0.10         3.22         1.10         0.23         1.11         1.43         2.63         0.66         0.57         0.21         1.11         0.16         0.27         1.15         0.07         0.76         0.65         0.11           Jun         157         0.07         1.64         0.01         0.24         1.20         0.80         0.21         0.28         0.26         0.27         1.16         0.20         0.12         0.23         0.26         0.27         0.16         0.20         0.27         0.23         0.21         0.26         0.20         0.27         0.23         0.21         0.21         0.20         0.27         0.23         0.20         0.21         0.21         0.23         0.21         0.21         0.21         0.21         0.23         0.21         0.21 <th0.21< th="">         0.23         0.21         0.21         0.21         0.23         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21         0.21<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td></th0.21<>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.00   |
| May         -226         -0.7         -2.87         -0.21         -2.81         -1.71         -2.86         -0.80         -0.50         -1.71         -1.74         -1.72         -2.72         -1.65         -0.60         -0.63         -0.11           Jul         4.929         -0.10         -0.5         -0.40         -0.02         -1.02         -7.12         -0.65         -0.61         -1.10         -7.10         0.12         -7.33         -0.61         -0.71         -0.10         -0.72         -1.10         -0.73         -1.16         0.12         -1.33         -0.66         -0.31         -0.00         -0.03         -0.00         -0.02         -0.77         -5.9         0.01         -0.12         -0.11         -0.12         -0.33         -0.01         -0.53         -0.44         -0.80         -0.21         -0.16         -0.46         -0.99         0.10         -0.03         -0.04         -0.05         -0.04         -0.03         -0.04         -0.03         -0.04         -0.05         -0.01         -0.05         -0.04         -0.99         0.10         -0.03         -0.04         -0.03         -0.04         -0.03         -0.01         -0.02         -0.04         -0.03         -0.01         -0.04   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Jn         -15.79         -0.07         -1.69         -0.10         -1.64         -1.20         -1.20         -0.30         -0.36         -0.19         -1.21         -2.29         -1.12         -0.68         -0.69         -0.17           Aug         -0.99         -0.12         -0.12         -0.20         -0.12         -0.21         -0.13         -0.12         -0.13         -0.12         -0.13         -0.12         -0.13         -0.12         -0.13         -0.12         -0.13         -0.12         -0.13         -0.12         -0.13 </td <td></td> <td>-0.10</td>  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.10  |
| Aug         -6.98         -0.12         -0.70         -0.16         -0.22         -0.77         -5.39         0.01         -0.71         -0.44         -0.77         -1.10         0.12         -0.33         -0.00         -0.33         -0.00          Sep         -5.81         -0.14         -0.68         -0.17         -0.45         -0.16         -0.15         -0.46         -0.90         -0.10         -0.53         -0.40         -0.33         -0.00         -0.00         -0.00         -0.05         -0.40         -0.10         -0.15         -0.46         -0.99         -0.10         -0.57         -0.40         -0.63         -0.41         -0.88         -0.16         -0.41         -0.88         -0.10         -0.07         -0.42         -0.10         -0.57         -0.44         -0.00         -0.56         -0.51         -0.44         -0.10         -0.07         -0.43         -0.10         -0.07         -0.41         -0.22         -0.10         -0.23         -0.01         -0.33         -0.01         -0.02         -0.10         -0.11         -0.01         -0.02         -0.11         -0.11         -0.10         -0.12         -0.12         -0.13         -0.11         -0.01         -0.13         -0.10         -0.14   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.10  |
| Sep         -5.81         -0.14         -0.69         -0.21         -0.46         0.01         -0.03         -4.44         -0.08         -0.62         -0.04         -0.06         -0.03         -0.00           Oct         -5.22         -0.16         -0.15         -0.41         -0.48         -0.03         -0.04         -0.05         -0.41         -0.48         -0.04         -0.05         -0.41         -0.48         -0.04         -0.05         -0.41         -0.48         -0.01         -0.05         -0.41         -0.48         -0.01         -0.05         -0.41         -0.48         -0.01         -0.05         -0.01         -0.02         -0.01         -0.05         -0.01         -0.03         -0.01         -0.05         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.03         -0.01         -0.01         -0.03         -0.01 </td <td></td> <td>-0.06</td>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.06  |
| Oct         -5.22         -0.16         -0.64         -0.11         -0.43         -0.10         -0.33         -0.90         -0.63         -0.16         -  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Nov         -6.86         -0.15         -0.38         -0.13         -0.14         -0.14         -0.13         -0.13         -0.13         -0.14         -  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.02  |
| 2021       Jan       -8.62       -0.10       -0.51       -0.07       -0.46       0.03       0.10       -0.53       -7.53       -1.05       -0.66       -1.78       -0.06       0.03       -0.41       -0.43       -0.93       0.09       -1.72       -0.10       -0.43       -0.43       -0.93       0.09       -1.72       -0.10       -0.43       -0.43       -0.93       0.09       -1.72       -0.10       -0.43       -0.43       -0.93       0.09       -1.72       -0.10       -0.43       -0.43       -0.93       0.09       -1.72       -0.10       -0.43       -0.43       -0.93       -0.93       -0.14       -0.15       -0.16       -0.11       -0.14       -0.15   |                             |                    |                    |            |       |       |             | 0.00     |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.05  |
| Feb         -7.36         -0.07         -0.45         -0.11         -0.40         0.05         0.04         -0.29         -0.65         -0.27         -0.13         -0.15         -0.27         -0.87         0.09         -1.58         0.07         -0.39         -0.42         -0.03           Mar         2.73         -0.03         0.48         -0.05         0.48         0.03         0.05         0.27         2.01         0.66         0.44         -0.14         0.24         -0.14         0.24         -0.16         0.11         1.00         1.80         -0.12         0.24         -0.14         0.24         -0.16         0.11         1.00         1.80         -0.12         0.01         0.24         -0.14         0.24         -0.15         0.11         1.00         1.80         -0.12         0.02         0.14         0.11         1.00         1.80         0.12         0.01         0.14         0.14         0.11         0.07         0.08         0.07         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.14         0.16         1.29         0.16         1.29         0.16 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-0.05</td></t<>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.05  |
| Mar         2.73         -0.03         0.48         -0.05         0.48         0.03         0.05         0.27         2.01         0.66         0.04         -0.01         0.24         -0.16         0.11         1.00         1.80         -0.12         -0.24         0.01          Apr         29.96         0.06         3.86         -0.16         3.70         0.28         0.16         3.52         2.24         5.53         1.17         1.85         0.87         0.73         0.12         1.52         1.33         0.13         4.07         4.27         0.58         0.76         0.11           May         27.47         0.06         3.14         -0.15         2.88         0.37         0.15         3.02         21.24         4.25         0.95         2.56         0.99         0.44         0.14         1.57         1.33         0.13         4.07         4.27         0.58         0.37         0.11         1.00         1.30         0.43         0.40         0.41         0.42         0.43         0.44         0.44         0.44         0.45         0.46         0.01         0.43         0.41         0.40         0.41         0.40         0.40         0.40         0.40         0.40 </td <td></td>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Apr       29.96       0.06       3.86       -0.16       3.70       0.28       0.16       3.58       22.42       5.53       1.17       1.85       0.73       0.12       1.52       1.33       0.13       4.07       4.27       0.58       0.76       0.10         May       27.47       0.06       3.14       -0.15       2.88       0.37       0.15       3.02       21.24       4.25       0.95       2.56       0.99       0.44       0.14       1.57       1.39       0.11       4.00       4.17       0.78       0.33       0.13       4.07       4.27       0.58       0.76       0.10         Jun       17.35       0.06       0.64       -0.11       0.75       -0.03       0.07       0.71       7.20       0.31       0.45       1.05       0.38       0.19       -0.01       0.83       0.64       0.07       1.53       2.01       0.37       -0.28       0.02         Aug       6.10       0.06       0.43       0.07       0.07       0.71       7.20       0.14       0.44       0.58       0.17       0.13       0.01       0.83       0.64       0.67       0.32       1.39       0.42       0.40       0.66   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.01   |
| Jun       17.35       0.06       1.32       -0.29       1.54       0.11       0.09       1.79       14.24       1.39       0.62       2.28       0.65       0.30       0.16       1.29       0.78       0.08       3.26       3.13       0.53       0.26       0.07         Jul       8.59       0.06       0.64       -0.11       0.75       -0.03       0.07       0.71       7.20       0.31       0.45       1.05       0.38       0.19       -0.01       0.83       0.64       0.07       1.53       2.01       0.37       -0.28       0.00         Aug       6.10       0.06       0.43       0.03       0.43       0.09       0.06       0.47       5.15       0.14       0.44       0.58       0.47       0.13       -0.01       0.83       0.64       0.07       1.53       2.01       0.37       -0.28       0.00         Aug       6.10       0.06       0.43       0.09       0.64       0.42       0.14       0.44       0.44       0.41       0.43       0.42       0.01       0.38       0.62       0.81       0.62       0.84       0.62       0.88       0.30       1.44       0.40       0.60       0.00   | Apr                         |                    |                    | 3.86       |       | 3.70  |             |          | 3.58  |         | 5.53           | 1.17 | 1.85             | 0.87        |               |            |               | 1.33    | 0.13 | 4.07  |              |               |         | 0.10   |
| Jul       8.59       0.06       0.64       -0.11       0.75       -0.03       0.07       0.71       7.20       0.31       0.45       1.05       0.38       0.19       -0.01       0.83       0.64       0.07       1.53       2.01       0.37       -0.28       0.00         Aug       6.10       0.06       0.43       0.03       0.44       0.40       0.44       0.58       0.47       0.13       -0.01       0.83       0.64       0.07       0.32       1.39       0.42       0.00         Sep       5.46       0.05       0.25       0.03       0.27       -0.11       0.06       0.46       0.44       0.44       0.58       0.47       0.13       -0.05       0.84       0.62       0.08       0.30       1.44       0.40       0.06       0.00   | May                         |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.11   |
| Aug       6.10       0.06       0.43       0.03       0.43       -0.09       0.06       0.47       5.15       0.14       0.44       0.58       0.47       0.13       -0.01       0.81       0.58       0.07       0.32       1.39       0.42       -0.04       -0.02         Sep       5.46       0.05       0.25       0.03       0.27       -0.11       0.05       0.36       4.82       0.08       0.42       0.91       0.35       0.02       -0.05       0.84       0.62       0.08       -0.30       1.44       0.40       0.06       -0.02         Oct       4.94       0.06       0.07       0.32       0.37       0.10       0.25       7.77       0.80       0.48       1.02       0.90       -0.06       -0.08       0.85       0.86       0.88       0.86       0.88       0.43       0.40  | Jun                         |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
| Sep         5.46         0.05         0.25         0.03         0.27         -0.11         0.05         0.36         4.82         0.08         0.42         0.91         0.35         0.02         -0.05         0.84         0.62         0.08         -0.30         1.44         0.40         0.06         -0.02           Oct         4.94         0.06         0.04         -0.03         0.11         0.10         0.66         0.14         0.48         1.02         0.29         -0.08         -0.10         0.62         0.68         0.08         -0.39         1.45         0.40         0.13         0.00           Nov         8.04         0.07         0.03         -0.02         0.03         -0.07         0.10         0.25         7.77         0.80         0.62         0.84         0.85         0.86         0.88         0.86         0.88         0.86         0.88         0.86         0.88         0.86         0.88         0.86         0.88         0.86         0.88         0.96         0.11         0.81         0.74         0.40         0.11         8.8         0.39         0.14         0.40         0.35         0.31         0.25         0.31         0.31         0.31 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-0.02</td></th<>   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.02  |
| Oct       4.94       0.06       0.04       -0.03       0.11       -0.10       0.06       0.19       4.69       0.14       0.48       1.02       0.29       -0.08       -0.10       0.62       0.68       0.08       -0.39       1.45       0.40       0.13       0.00         Nov       8.04       0.07       0.03       -0.02       0.03       -0.07       0.10       0.25       7.77       0.80       0.62       1.86       0.39       -0.06       -0.01       0.88       0.88       0.08       -0.08       1.59       0.55       -0.24       0.07         Dec       6.48       0.07       0.13       -0.05       0.24       -0.12       0.88       0.38       5.96       0.11       0.56       1.33       0.48       -0.01       0.88       0.85       0.08       -0.08       0.08       0.08       0.08       0.39       -0.18       0.07         2022       Jan       10.53       0.07       0.42       -0.56       0.54       -0.16       0.70       0.62       9.42       1.71       0.92       1.82       0.55       -0.07       -0.25       0.93       1.01       0.03       1.08       0.31       0.25       0.07  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | -0.02  |
| Dec         6.48         0.07         0.13         -0.05         0.24         -0.12         0.08         0.38         5.96         0.11         0.56         1.33         0.48         -0.09         -0.11         0.81         0.74         0.04         0.11         1.88         0.39         -0.18         0.07           2022 Jan         10.53         0.07         0.42         -0.05         0.54         -0.16         0.07         0.62         9.42         1.17         0.92         1.82         0.55         -0.07         -0.25         0.93         1.01         0.03         1.38         0.31         0.25         0.07  | Oct                         |                    | 0.06               | 0.04       | -0.03 | 0.11  | -0.10       | 0.06     | 0.19  | 4.69    | 0.14           | 0.48 | 1.02             | 0.29        | -0.08         | -0.10      | 0.62          | 0.68    | 0.08 | -0.39 | 1.45         | 0.40          |         | 0.00   |
| 2022 Jan 10.53 0.07 0.42 -0.05 0.54 -0.16 0.07 0.62 9.42 1.17 0.92 1.82 0.55 -0.07 -0.25 0.93 1.01 0.03 1.50 1.38 0.31 0.25 0.07   |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.01   |
|  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |
|  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         | 0.02   |
|  |                             |                    |                    |            |       |       |             |          |       |         |                |      |                  |             |               |            |               |         |      |       |              |               |         |  |

seasonally adjusted 2019=100

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