

Statistical bulletin

GDP monthly estimate, UK: April 2021

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



Contact:
Rachel Meyrick
gdp@ons.gov.uk
+44 (0)1633 455284

Release date:
11 June 2021

Next release:
9 July 2021

Table of contents

1. [Main points](#)
2. [Monthly GDP](#)
3. [The services sector](#)
4. [The production sector](#)
5. [The construction sector](#)
6. [Monthly GDP data](#)
7. [Glossary](#)
8. [Measuring the data](#)
9. [Strengths and limitations](#)
10. [Related links](#)

1 . Main points

- UK gross domestic product (GDP) is estimated to have grown by 2.3% in April 2021, the fastest monthly growth since July 2020, as government restrictions affecting economic activity continued to ease.
- The service sector grew by 3.4% in April 2021, with consumer-facing services re-opening in line with the easing of coronavirus restrictions and more pupils returning to onsite lessons.
- Output in the production sector fell by 1.3% in April 2021, the first fall since January 2021 as three of the four sectors contracted.
- Within production, mining and quarrying output contracted sharply, by 15.0%, in April 2021 because of planned temporary closures for maintenance of oil field production sites.
- The construction sector contracted by 2.0% in April 2021 following a strong March, with new work slowing down faster than repair and maintenance.
- April's GDP remains 3.7% below the pre-pandemic levels seen in February 2020, however it is now 1.2% above its initial recovery peak in October 2020.

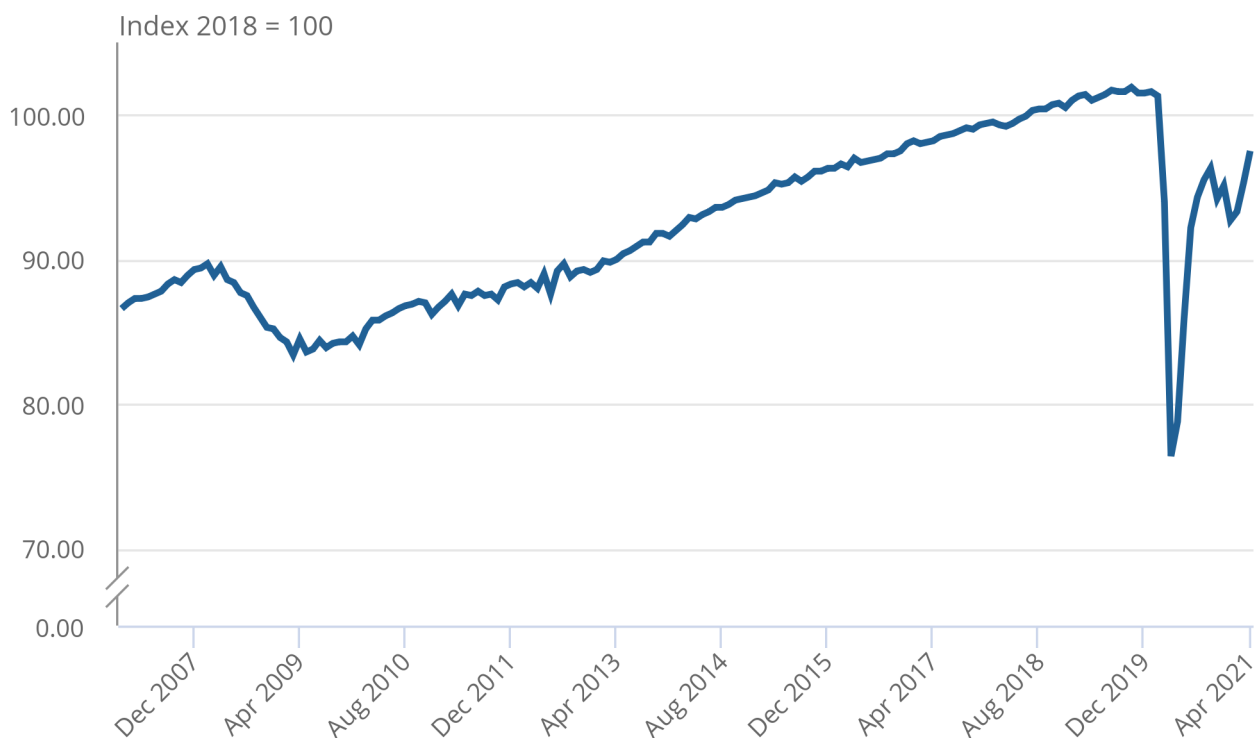
2 . Monthly GDP

Figure 1: GDP is estimated to have grown by 2.3% in April 2021 as government restrictions affecting economic activity continued to ease

Monthly index, January 1997 to April 2021, UK, 2018 = 100

Figure 1: GDP is estimated to have grown by 2.3% in April 2021 as government restrictions affecting economic activity continued to ease

Monthly index, January 1997 to April 2021, UK, 2018 = 100



Source: Office for National Statistics – GDP monthly estimate

GDP estimates for April 2021 are subject to more uncertainty than usual as a result of the challenges we faced estimating GDP in the current conditions.

Monthly real gross domestic product (GDP) is estimated to have increased by 2.3% in April 2021, the third consecutive month of growth as coronavirus (COVID-19) restrictions continued to ease to varying degrees in [England](#), [Scotland](#) and [Wales](#). April 2021 growth was the fastest monthly growth since July 2020, when it grew 7.3%.

Table 1: All main sectors are above their levels at the initial recovery peak (October 2020) but only construction is above its pre-pandemic level (February 2020) in April 2021

	Change since February 2020	Change since October 2020
GDP	-3.7%	1.2%
Index of Services	-4.1%	1.1%
Index of Production	-3.1%	0.4%
Manufacturing	-2.4%	1.6%
Construction	0.3%	4.8%

Source: Office for National Statistics – GDP monthly estimate

Notes

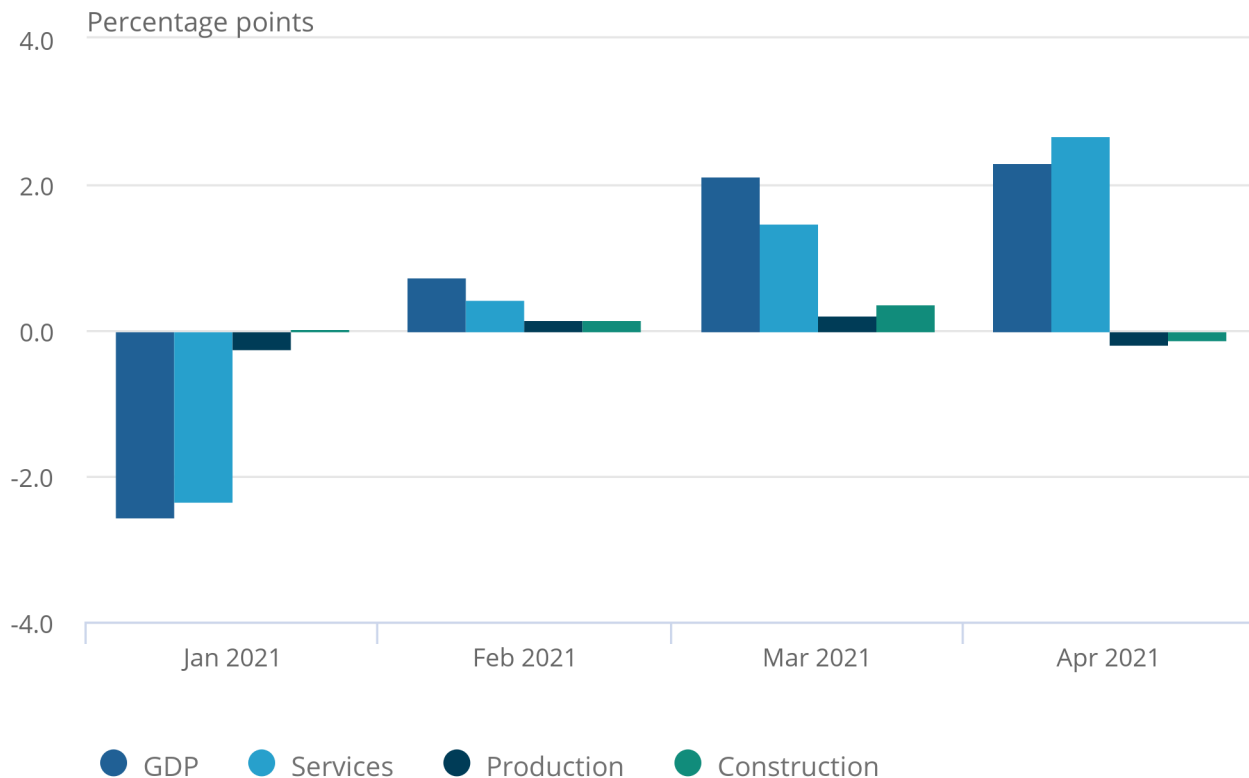
1. This table uses data from the output measure of GDP. Figures from this approach may differ from those calculated from the average measure of GDP, which reflects balanced estimates from the expenditure, income and output approaches.

Figure 2: Services have been the main contributor to GDP's recovery in recent months, following large falls in January because of coronavirus restrictions

Contributions to monthly GDP growth, January to April 2021, UK

Figure 2: Services have been the main contributor to GDP's recovery in recent months, following large falls in January because of coronavirus restrictions

Contributions to monthly GDP growth, January to April 2021, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

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

Overall, GDP grew by 1.5% in the three months to April 2021, mainly because of services output, boosted by strong retail sales over the three months.

Latest month on same month a year ago comparisons should be treated with caution given the impact of [base effects](#) on growth rates, because of the economic impact of the coronavirus pandemic throughout 2020. Such comparisons and growth rates can nonetheless be found in our [data tables](#). In comparison with April 2020, monthly GDP in April 2021 is estimated to have grown by 27.6%.

3 . The services sector

Services output grew by 3.4% in April 2021 but remained 4.1% below its pre-pandemic level of February 2020. Consumer facing services grew by 12.7% as coronavirus restrictions eased throughout April, with levels recovering to their initial recovery peak in October 2020, as Figure 3 shows.

Retail sales volumes grew sharply in April 2021 with a monthly increase of 9.2%, reflecting the re-opening of all non-essential retail from 12 April in England and Wales and from 26 April in Scotland. Non-food stores provided the largest contribution to the monthly growth in April 2021 sales volumes, aided by strong increases of 69.4% and 25.3% in clothing stores and other non-food stores respectively. More detail can be found in the [Retail sales, Great Britain: April 2021](#).

Accommodation service activities grew by 68.6% as caravan parks and holiday lets picked up, while food and beverage service activities grew by 39.0% as pubs, restaurants and cafes could serve customers in outdoor seating areas.

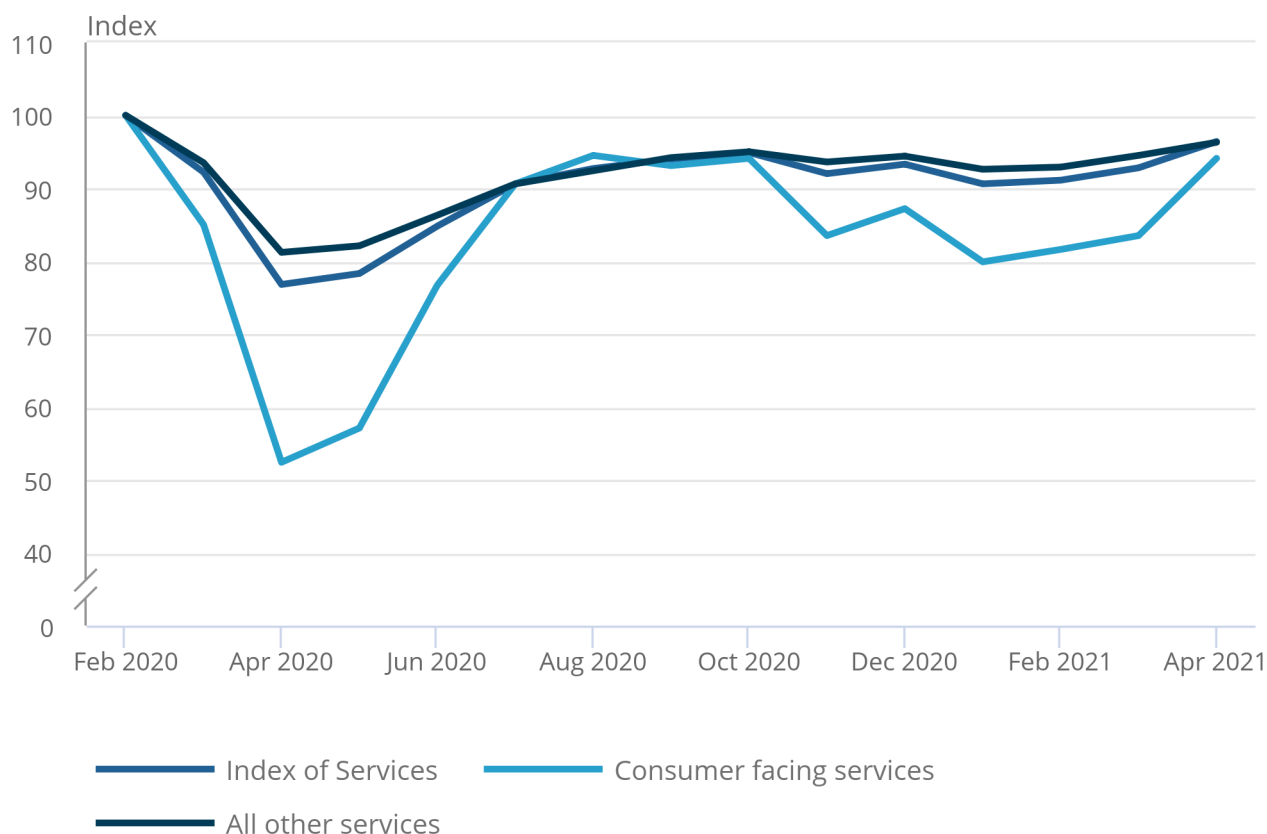
Other personal service activities (including hairdressing) grew by 63.5% in April 2021, as hairdressing re-opened in England on 12 April.

Figure 3: Consumer facing services in April 2021 have recovered to the initial recovery peak level seen in October 2020

Monthly index of services, April 2021, UK, Feb 2020=100

Figure 3: Consumer facing services in April 2021 have recovered to the initial recovery peak level seen in October 2020

Monthly index of services, April 2021, UK, Feb 2020=100



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, 49.1-2, 56, 68.1-2, 75, 79, 92, 93, 94, 96 and 97).

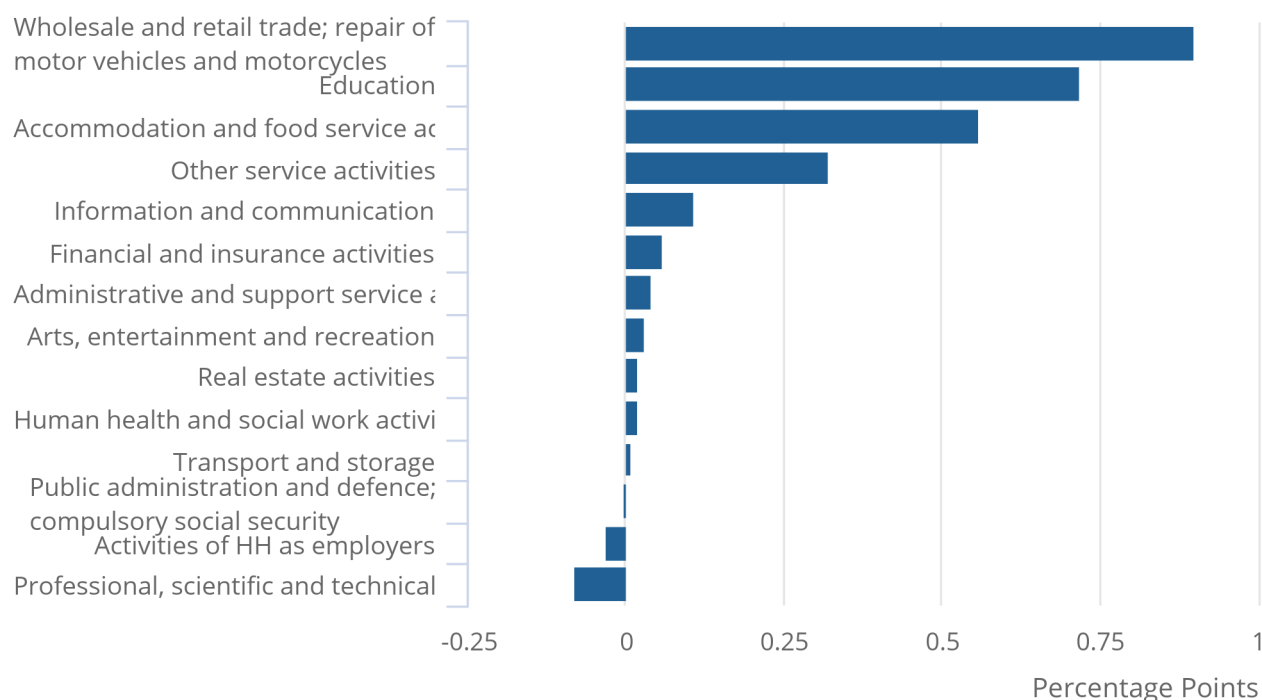
[Differences in the methods for estimating the output of health and education services](#) across different countries mean GDP may be less internationally comparable during the COVID-19 pandemic and recovery than usual, so should be made with increased caution.

Figure 4: Education output continues to contribute to GDP growth in April 2021

Monthly contributions to services, April 2021, UK

Figure 4: Education output continues to contribute to GDP growth in April 2021

Monthly contributions to services, April 2021, UK



Source: Office for National Statistics – GDP monthly estimate

Notes:

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

Figure 4 shows education output as the second main contributor to services growth in April 2021, growing 11.2%, as more pupils returned to onsite lessons in April. This contributed 0.72 percentage points to April 2021 monthly growth. [Weighted attendance](#) for April 2021 was approximately 93%, compared with 67% in March 2021, and 16% in February 2021.

[National Accounts revisions policy](#) means that January to March 2021 are currently closed for revisions until GDP quarterly national accounts: January to March 2021 is published on 30 June 2021. There are potential revisions to the profile of the months across the first quarter of 2021 because of updated attendance data, alongside the [weighted impact of remote learners](#). When we are able to revise these estimates, we expect the growth in education in January to be weaker (currently negative 10.0%) and stronger in March (currently 8.6%). Overall it is expected that the education industry will remain in a broadly similar position across the quarter. However, the estimated level and change of education in April is still our best estimate of education activity in the month. Revisions to monthly profiles will be published in our [Monthly GDP estimate, UK: May 2021](#), on 9 July 2021.

Growth in human health activities slowed down in April 2021, to 0.1% growth. Output levels remain at record highs driven by coronavirus testing and tracing and vaccine schemes across the UK.

Adjustments for NHS test and trace services and vaccine programmes in the UK

Adjustments have been applied to the volume data to estimate the impact on real GDP from the NHS test and trace services and vaccine programmes. These adjustments are applied to both the government expenditure data as well as output data, and are applied only to volume data because of the way [ONS estimates the output of health services](#).

To calculate the adjustment, in line with the [UK National Accounts revisions policy](#), we have used the latest available quarterly government data and applied indicative volume adjustments to preserve the growth within the health sector and its impact on the economy, rather than applying an adjustment to preserve the level which could give an incoherent growth.

Table 2 sets out the volume expenditure adjustments for January 2021 to April 2021 split between NHS test and trace services and the vaccine programmes. The reduction in NHS Test and Trace adjustment for April compared with March can be seen in the latest [coronavirus daily testing data](#), which shows a reduction of approximately 22% of total tests between March and April 2021.

Table 2: Health volume adjustments and contribution to GDP growth based on these £m figures

Volume £m adjustment

	NHS Test and Trace	Vaccine Programmes	Total	Monthly GDP Growth	Contribution to GDP growth from adjustments for T&T and Vaccine	GDP growth excl. adjustments for T&T and Vaccine
Jan-21	1,400	500	1,900	-2.5	-0.1	-2.4
Feb-21	1,300	600	1,900	0.7	0	0.7
Mar-21	2,900	800	3,700	2.1	1.2	0.9
Apr-21	2,300	800	3,100	2.3	-0.5	2.8

Source: Office for National Statistics – GDP monthly estimate

Notes

1. The contribution to monthly GDP is calculated based on no other data changes
2. January to March data was updated as part of the GDP first quarterly estimate on 12 May, however December was not open for revision at this point.

Not all of this extra volume expenditure will be seen in the output of the health industry as there are other industries involved in the production of the vaccines and various testing kits, as well as a number of service industries involved in the logistical process of delivering the programmes.

As in Table 2, these estimates are informed by the latest available data including in-year spending data – the available estimated cost to secure and manufacture vaccines for the UK and deploy vaccines in England and available testing and vaccination data and estimated imports. These are early estimates that will be refined as a new method is introduced later this year.

Overall, services output grew by 1.4% in the three months to April 2021. This was led by retail sales, which continued to accelerate in growth throughout the three months, partially offset by contraction in education as schools remained closed in February and some of March.

4 . The production sector

Production fell by 1.3% in April 2021, with contraction in three out of the four sectors as Figure 5 shows. This is the first fall since January 2021, when there was a fall of 1.9% as coronavirus restrictions were re-introduced.

Mining and quarrying contributed to most of April's fall in production output, contributing negative 0.1 percentage points to gross domestic product (GDP) growth.

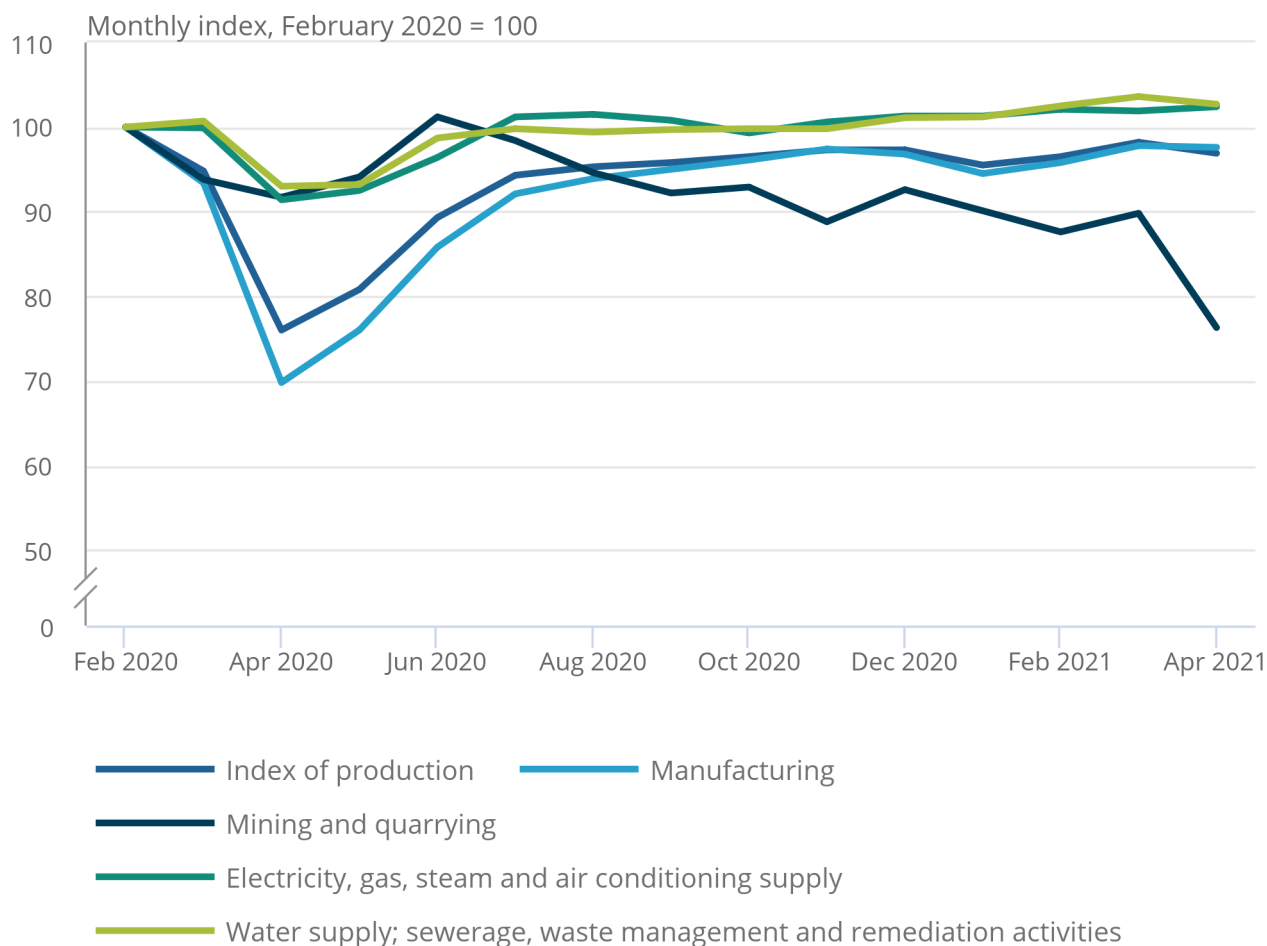
The manufacturing sector contracted slightly by 0.3%, following two months of growth. Five out of the 13 manufacturing sub-sectors fell. The largest contribution to the fall came from the manufacture of basic pharmaceutical products and pharmaceutical preparations (which fell by 16.0%, returning to levels last seen in 2019) and the manufacture of transport equipment (which fell by 2.8%). More detailed breakdowns are available in the [Index of Production, UK: April 2021](#).

Figure 5: Production output contracted for the first time since January 2021, as mining and quarrying output fell sharply in April 2021

Monthly index, February 2020 to April 2021, UK, February 2020 = 100

Figure 5: Production output contracted for the first time since January 2021, as mining and quarrying output fell sharply in April 2021

Monthly index, February 2020 to April 2021, UK, February 2020 = 100



Source: Office for National Statistics – GDP monthly estimate

Mining and quarrying output contracted by 15.0% in April 2021 mainly because of an 18.2% fall in extraction of crude petroleum and natural gas. Planned temporary closures for maintenance of oil field production sites were an important factor in April's low output, while [latest trade figures](#) point to a fall in fuels exports.

Figure 6: Mining and quarrying output contracted by 15.0% in April 2021

Monthly index, January 1997 to April 2021, UK, 2018 = 100

Figure 6: Mining and quarrying output contracted by 15.0% in April 2021

Monthly index, January 1997 to April 2021, UK, 2018 = 100



Source: Office for National Statistics – GDP monthly estimate

Overall, output in the production sector increased by 0.5% in the three months to April 2021, driven by manufacturing (in particular, of manufacturing of computer, electronic and optical products), partly offset by the large fall in mining and quarrying in April 2021.

5 . The construction sector

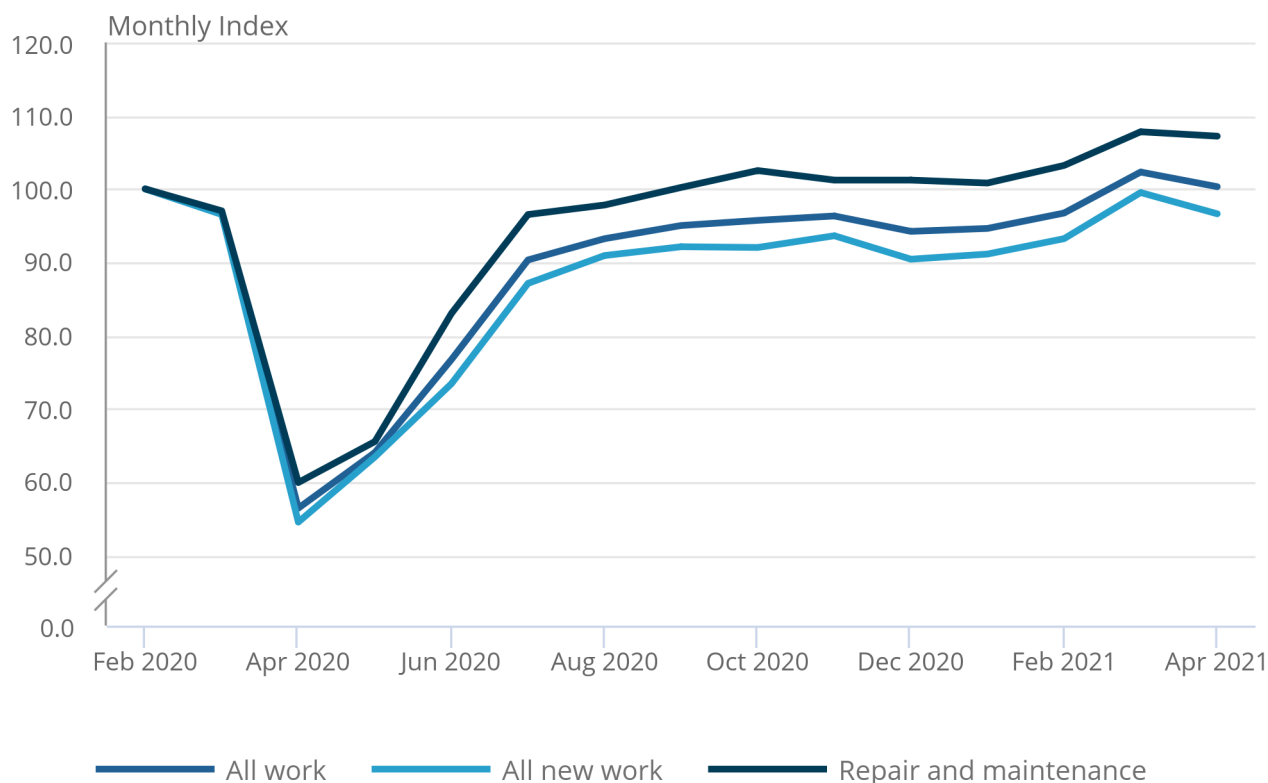
Construction output fell by 2.0% in April 2021, following exceptionally strong growth in March. This is the first fall in construction since December 2020, when it fell by 2.2%.

Figure 7: Construction output fell by 2.0% in April 2021, following exceptionally strong growth in March

Monthly index, February 2020 to April 2021, UK, February 2020 = 100

Figure 7: Construction output fell by 2.0% in April 2021, following exceptionally strong growth in March

Monthly index, February 2020 to April 2021, UK, February 2020 = 100



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

Notes:

- Indexes are rounded to one decimal place.

The fall in construction output in April 2021 was driven by both a fall in new work (2.9%) and repair and maintenance (0.6%). Despite April's fall, construction remains slightly above February 2020 levels (0.3%). Further detail on the contributions to construction growth can be found in [Construction output in Great Britain: April 2021](#).

The construction sector expanded by 5.1% in the three months to April 2021 because of a 5.2% increase in new work and 4.9% increase in repair and maintenance.

The increase in new work (5.2%) was because of growth in all new work sectors apart from private industrial work, which fell by 3.6%, with the largest contributor to growth being private commercial new work which grew by 7.4%. The increase in repair and maintenance (4.9%) in the three months to April 2021 was because of growth in non-housing and private housing repair and maintenance, which grew by 6.2% and 6.6% respectively, and offset the 4.7% fall in public housing repair and maintenance.

6 . Monthly GDP data

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

Dataset | Released 11 June 2021

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 June 2021

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

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

Dataset | Dataset ID: MGDGP | Released 11 June 2021

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 June 2021

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 June 2021

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

7 . 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 GDP growth.

Gross domestic product (GDP)

A measure of the economic activity produced by a country or region. Gross domestic product (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 [Glossary of economic terms](#).

8 . 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. We have faced an increased number of challenges in producing estimates of UK gross domestic product (GDP) and because of these challenges, GDP estimates for April 2021 are subject to more uncertainty than usual.

Early in the pandemic we faced some challenges in receiving timely responses to the monthly business survey as businesses adapted to new conditions. In recent months, response rates have improved and further information on measuring the data across our main data sources is available in the following releases:

- [Construction output in Great Britain: April 2021](#)
- [Index of Services, UK: April 2021](#)
- [Index of Production, UK: April 2021](#)

In Blue Book 2021 [a new framework](#) will be introduced to improve how we produce volume estimates of GDP for balanced years as part of the supply use process. This framework includes the implementation of double-deflated industry-level gross value added for the first time. This improvement will be reflected in the September quarterly national accounts and October monthly GDP estimates. On 28 June we will publish [Blue Book 2021 indicative impacts](#) of this change to industry level gross value added volume.

9 . Strengths and limitations

This release gives data for April 2021 for the first time, with no periods open for revisions.

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

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.

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 are comprised of 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 COVID-19 pandemic. It is clear that the contraction in GDP in Quarter 2 (Apr to June) 2020 was in the largest recession on record. Our latest estimates show that the UK economy is now 3.7% smaller than it was in February 2020, the effects of which have been most pronounced in those industries that are most exposed to public health restrictions and the effects of social distancing.

10 . Related links

[Construction output in Great Britain: April 2021](#)

Bulletin | Released 11 June 2021

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: April 2021](#)

Bulletin | Released 11 June 2021

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: April 2021](#)

Bulletin | Released 11 June 2021

Monthly movements in output for the services industries.

[Coronavirus and the impact on output in the UK economy, UK: April 2021](#)

Article | Released 11 June 2021

Analysis of monthly growth for the production, services and construction industries in the UK economy between 2020, highlighting the impact from the coronavirus (COVID-19) pandemic.

[GDP first quarterly estimate, UK: January to March 2021](#)

Bulletin | Released 12 May 2020

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.

GVA1

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

seasonally adjusted 2018=100

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	3
	YBFR	L2KL	L2KQ	L2KR	L2KX	L2MW	L2N2	L2N8	L2NC	L2NE	L2NI	L2NQ	L2NT	L2O6	L2OC	L2OI	L2OX	L2P8	L2PA	L2PC	L2PJ	L2PP	L2PT
2016	97.0	97.2	97.3	94.3	96.6	103.3	99.2	94.2	97.1	95.1	97.6	97.1	91.6	100.6	101.7	92.4	93.0	99.3	99.3	98.3	98.4	97.3	95.7
2017	98.7	103.4	99.1	95.0	98.9	101.2	101.5	100.0	98.5	97.0	98.5	98.6	95.6	100.9	100.7	95.8	96.6	99.3	99.8	99.4	101.0	97.4	95.5
2018	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
2019	101.4	106.3	98.8	99.1	98.2	101.1	100.4	101.8	101.8	102.4	101.7	102.5	107.4	97.4	100.6	102.0	102.5	102.1	102.9	101.1	101.3	98.9	102.6
2020	92.1	96.4	90.9	91.6	88.9	97.1	99.1	87.5	92.7	95.7	85.3	58.9	101.8	93.7	99.4	96.7	84.6	104.3	86.0	92.8	72.8	75.6	75.8
	ECY2	ECY3	ECY4	ECY5	ECY6	ECY7	ECY8	ECY9	ECYC	ECYD	ECYG	ECYH	ECYI	ECYJ	ECYK	ECYL	ECYP	ECYQ	ECYR	ECYS	ECYT	ECYU	ECYV
2019 Apr	101.0	104.4	98.1	96.8	97.6	101.3	100.2	102.4	101.4	102.6	102.1	101.9	106.8	96.9	100.5	100.6	101.6	101.8	102.4	100.7	100.3	96.9	103.8
May	101.2	105.3	99.3	99.7	98.5	102.6	101.8	102.7	101.4	102.7	101.1	101.4	106.8	96.7	100.8	100.5	102.1	101.8	102.7	100.9	99.2	97.9	103.4
Jun	101.4	105.9	99.0	97.3	98.2	103.6	102.3	101.4	101.8	102.3	100.6	103.8	108.4	97.0	100.6	102.2	101.8	101.8	102.8	101.2	102.0	97.8	101.3
Jul	101.7	106.8	98.7	96.4	98.4	100.6	100.8	102.5	102.1	102.6	102.4	103.2	108.3	97.5	100.6	102.5	104.1	101.9	102.7	101.5	100.7	97.8	101.6
Aug	101.6	107.8	97.7	98.1	96.9	99.6	101.1	102.2	102.2	102.8	101.7	102.0	107.5	98.2	100.6	103.4	103.0	102.1	102.9	101.6	102.8	99.7	100.1
Sep	101.6	108.5	98.2	106.3	96.9	99.2	100.8	102.5	102.1	102.6	101.6	101.8	108.9	97.6	100.7	102.9	101.8	102.5	103.5	101.5	100.4	100.5	99.8
Oct	101.9	108.9	98.8	99.1	98.0	103.7	99.7	100.2	102.5	103.2	102.9	101.9	108.9	97.7	100.7	104.0	102.2	102.9	104.1	101.3	100.4	101.8	102.1
Nov	101.5	109.0	97.6	99.6	96.2	104.1	99.5	101.3	102.2	102.3	102.0	103.2	106.9	96.5	100.6	102.9	102.9	102.9	104.9	101.5	102.9	101.8	104.7
Dec	101.5	108.9	97.2	96.4	96.3	101.8	100.1	100.2	102.3	102.1	101.6	102.7	107.4	96.6	100.9	103.3	103.4	103.1	105.1	101.6	103.2	99.3	107.4
2020 Jan	101.6	108.0	97.5	96.5	96.9	99.1	101.0	99.8	102.4	103.1	102.5	102.2	105.4	96.1	101.0	103.8	103.3	103.2	106.0	102.3	103.5	98.2	109.3
Feb	101.3	105.1	97.6	96.3	97.4	98.3	100.3	99.2	102.1	102.3	99.4	103.4	107.2	95.8	101.1	104.0	101.9	103.4	103.8	102.6	101.6	97.7	102.9
Mar	94.0	100.0	92.5	90.4	90.9	98.1	101.0	95.8	94.1	91.8	86.6	70.1	105.8	94.8	100.8	102.2	91.4	103.6	76.7	93.0	83.9	84.7	78.3
Apr	76.4	89.4	74.2	88.4	68.0	89.8	93.3	55.9	78.4	66.2	64.3	9.6	94.9	91.3	98.7	85.9	67.5	103.9	60.9	75.9	54.3	52.4	50.8
May	78.8	89.9	78.9	90.6	74.0	90.9	93.5	63.5	79.9	74.8	68.9	11.1	93.7	91.8	98.3	84.8	67.7	104.2	62.9	78.1	50.7	54.4	45.0
Jun	86.0	91.3	87.2	97.5	83.5	94.7	99.0	76.1	86.5	96.1	78.8	24.0	98.5	92.2	98.2	91.1	78.5	104.4	69.7	81.3	60.7	57.8	51.8
Jul	92.2	93.4	92.1	94.8	89.7	99.5	100.1	89.6	92.5	103.4	83.5	62.4	102.5	92.3	98.9	94.6	81.9	104.5	79.6	88.3	70.5	84.6	69.7
Aug	94.3	95.2	93.0	91.2	91.4	99.7	99.7	92.5	94.6	103.4	84.8	89.7	101.6	92.2	99.1	94.9	83.1	104.7	87.9	93.5	70.5	78.6	84.0
Sep	95.5	96.9	93.5	88.8	92.5	99.1	100.0	94.2	96.0	103.2	87.0	78.2	101.5	93.3	99.3	98.6	84.1	104.8	96.5	97.7	73.8	80.3	85.1
Oct	96.3	96.8	94.2	89.5	93.6	97.6	100.1	94.9	96.8	104.6	88.3	67.1	105.2	94.8	99.3	99.7	86.0	105.0	98.7	99.6	73.5	80.4	78.4
Nov	94.2	96.2	95.0	85.6	94.9	98.8	100.1	95.5	93.9	98.7	88.8	39.7	103.2	94.8	99.0	99.3	83.8	104.9	97.0	99.8	63.4	63.3	74.4
Dec	95.1	94.8	95.0	89.2	94.3	99.5	101.4	93.4	95.2	100.8	90.9	49.8	101.7	94.7	99.4	101.8	86.1	105.1	92.6	101.9	67.2	74.2	80.1
2021 Jan	92.7	93.5	93.2	86.8	92.0	99.6	101.5	93.8	92.5	92.8	85.9	42.1	104.6	93.8	99.3	99.6	85.1	105.2	83.3	101.2	65.6	61.2	85.1
Feb	93.3	92.2	94.2	84.4	93.3	100.3	102.8	95.9	93.0	95.4	87.0	43.3	102.9	94.3	99.5	100.8	85.3	105.3	82.0	101.9	66.4	61.4	86.8
Mar	95.3	92.3	95.8	86.5	95.3	100.1	103.9	101.5	94.7	98.1	89.3	42.7	104.1	95.1	99.7	103.8	87.6	105.3	89.0	103.6	67.2	60.9	81.3
Apr	97.5	93.6	94.6	73.5	95.0	100.6	103.0	99.5	97.9	106.8	89.4	61.5	105.8	96.0	99.8	102.7	88.4	105.4	98.9	103.8	68.9	78.5	70.6
Percentage change, latest year on previous year	GDPQ	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3E4	L3E8	L3EG	L3EJ	L3EU	L3F2	L3F8	L3FN	L3FW	L3FY	L3G2	L3G9	L3GF	L3GJ
2016	1.6	-5.9	1.1	-2.3	0.3	3.6	6.3	4.1	1.6	3.5	-1.6	1.2	5.0	4.3	1.5	3.0	1.2	-2.1	-1.3	1.4	-2.0	-6.3	18.9
2017	1.7	6.3	1.8	0.7	2.3	-2.1	2.3	6.1	1.4	1.9	1.0	1.6	4.4	0.3	-1.0	3.6	3.8	0.0	0.5	1.0	2.6	0.1	-0.2
2018	1.3	-3.3	0.9	5.3	1.1	-1.2	-1.4	0.0	1.6	3.1	1.5	1.4	4.6	-0.9	-0.7								

GVA2

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

seasonally adjusted 2018=100

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	587	75	16	18	3

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

	ED9T	ED9U	ED9V	ED9W	EDGQ	EDGR	EDGS	EDGT	EDGU	EDGV	EDGW	EDGX	EDGY	EDGZ	EDHA	EDHB	EDHC	EDHD	EDHE	EDHF	EDHG	EDHH	EDHI
2019 Apr	1.9	4.9	-0.6	2.4	-0.4	-5.4	0.6	4.4	2.2	4.3	3.6	4.0	8.7	-3.2	0.4	2.1	3.4	2.4	2.0	0.6	1.2	-2.6	5.8
May	1.8	5.6	-0.5	1.6	-0.9	-1.0	1.5	3.9	2.0	3.8	3.1	2.8	7.9	-3.4	0.8	1.5	3.1	2.5	2.4	1.1	0.3	-3.2	5.6
Jun	1.5	6.2	-1.3	-2.3	-2.2	4.3	1.3	2.2	1.9	2.7	2.1	2.8	8.5	-3.3	1.1	1.8	2.2	2.5	2.9	1.5	0.3	-3.5	5.3
Jul	1.5	6.7	-1.1	-3.2	-1.9	5.0	0.7	1.4	1.9	1.8	1.5	2.3	9.0	-2.9	1.1	2.0	2.6	2.1	3.1	1.8	0.5	-3.5	4.1
Aug	1.4	7.3	-1.9	-5.5	-2.4	2.6	0.1	1.2	1.9	1.5	1.3	2.5	8.5	-2.4	0.9	2.5	2.6	1.7	3.2	1.8	1.9	-3.0	1.8
Sep	1.3	8.0	-2.2	-3.2	-2.8	0.2	0.3	1.5	1.8	1.6	1.5	2.0	7.4	-2.1	0.8	2.3	2.9	1.6	3.4	1.6	1.7	-1.3	0.5
Oct	1.2	8.4	-1.8	-1.2	-2.7	1.8	0.2	0.6	1.7	1.8	1.0	1.7	6.6	-2.0	0.6	2.5	1.9	1.8	3.5	1.2	1.9	0.6	-1.8
Nov	1.1	8.3	-1.4	1.0	-2.7	3.8	0.3	0.0	1.5	1.4	0.5	1.2	6.2	-2.4	0.6	1.9	1.2	2.2	3.7	1.1	1.8	2.3	-2.1
Dec	1.0	7.3	-1.2	-1.7	-2.3	4.9	0.3	0.0	1.4	1.3	0.3	0.9	4.7	-2.4	0.5	1.9	1.6	2.4	3.8	1.1	1.7	2.7	-1.8
2020 Jan	0.8	5.9	-1.7	-1.2	-2.8	2.4	1.2	0.1	1.2	1.0	0.5	0.5	1.8	-2.6	0.5	2.4	1.8	2.3	4.2	1.5	2.2	2.3	1.7
Feb	0.5	4.0	-2.1	-2.0	-2.9	0.7	1.3	-1.2	1.1	1.1	-0.2	0.4	0.6	-2.4	0.6	3.1	1.4	2.1	3.8	1.8	1.3	1.0	2.6
Mar	-2.2	1.0	-4.4	-5.4	-5.6	-0.5	1.3	-3.8	-1.7	-3.0	-5.2	-10.4	0.0	-2.5	0.5	2.9	-3.3	1.8	-5.8	-1.2	-4.7	-4.2	-5.2
Apr	-10.5	-5.3	-11.7	-8.1	-14.4	-3.8	-1.7	-18.6	-9.7	-15.2	-18.0	-40.3	-3.3	-3.6	-0.3	-3.3	-14.9	1.8	-21.0	-10.1	-20.8	-19.8	-24.6
May	-18.0	-10.8	-17.8	-10.2	-21.8	-7.8	-4.7	-30.0	-17.0	-24.4	-27.9	-70.3	-7.8	-4.5	-1.3	-9.6	-26.0	2.0	-34.6	-18.3	-37.2	-34.6	-43.7
Jun	-20.6	-14.3	-19.0	-5.9	-23.4	-10.5	-6.1	-36.2	-19.6	-22.9	-30.2	-85.4	-10.8	-5.2	-2.2	-13.7	-30.1	2.3	-37.1	-22.3	-45.0	-43.8	-52.2
Jul	-15.6	-13.7	-13.1	-3.6	-16.2	-7.1	-4.0	-25.2	-15.2	-10.8	-24.0	-68.4	-8.9	-5.1	-2.2	-11.4	-26.0	2.5	-31.1	-18.4	-39.7	-33.0	-45.7
Aug	-10.6	-12.7	-7.8	-2.9	-9.8	-3.2	-1.8	-15.6	-10.6	-1.6	-18.9	-43.0	-6.7	-5.5	-1.9	-8.9	-21.2	2.5	-23.1	-13.5	-34.0	-25.2	-32.2
Sep	-7.5	-11.7	-5.4	-8.6	-6.3	-0.4	-1.0	-10.0	-7.6	0.6	-16.5	-25.0	-5.9	-5.3	-1.6	-6.7	-19.3	2.5	-14.6	-8.3	-29.3	-18.3	-20.8
Oct	-6.2	-11.2	-4.7	-11.2	-4.9	-2.0	-0.6	-7.6	-6.3	0.8	-15.1	-23.1	-5.2	-4.5	-1.4	-5.5	-17.5	2.3	-8.8	-4.5	-28.3	-20.7	-18.1
Nov	-6.2	-11.2	-4.0	-13.5	-3.5	-3.7	0.1	-6.4	-6.5	-0.6	-13.8	-39.7	-4.6	-3.0	-1.5	-4.0	-17.3	2.1	-6.4	-2.3	-30.6	-26.3	-22.4
Dec	-6.3	-11.9	-3.2	-10.4	-2.7	-4.4	0.8	-5.9	-6.8	-1.1	-12.5	-49.1	-4.0	-2.2	-1.5	-3.0	-17.0	2.0	-8.2	-1.0	-33.4	-28.0	-25.9
2021 Jan	-7.4	-12.7	-3.1	-10.5	-2.9	-2.3	0.8	-6.2	-8.2	-5.0	-13.2	-57.3	-3.2	-2.0	-1.6	-3.0	-17.6	2.0	-13.6	-0.8	-36.6	-33.6	-25.5
Feb	-7.6	-12.9	-3.4	-9.9	-3.8	0.1	1.4	-5.4	-8.5	-6.0	-13.0	-56.2	-3.4	-2.0	-1.6	-2.9	-16.9	1.9	-18.1	-0.5	-35.4	-33.3	-21.1
Mar	-5.2	-11.2	-1.5	-9.0	-1.6	1.5	1.9	-1.2	-6.1	-3.7	-9.1	-53.5	-2.1	-1.2	-1.5	-1.8	-13.0	1.9	-11.3	3.0	-31.1	-34.6	-12.8
Apr	5.3	-5.6	7.7	-11.1	10.7	5.2	5.2	18.4	4.1	15.4	6.1	-19.4	1.6	1.2	-0.6	5.2	0.2	1.7	11.8	13.9	-15.6	-14.5	2.9

Percentage change, latest month on previous month

	ECYX	ECYY	ECYZ	ECZ2	ECZA	ECZC	ECZD	ECZE	ECZG	ECZK	ECZN	ECZT	ECZU	ED2G	ED2H	ED2I	ED2J	ED2K	ED2L	ED2M	ED2N	ED2O	ED2P
2019 Apr	-0.4	0.7	-3.1	-6.4	-3.9	3.1	0.2	-0.2	0.0	0.1	0.5	-0.2	0.9	-0.5	0.1	-0.1	-1.0	0.0	0.6	0.1	-1.1	-1.1	1.9
May	0.2	0.9	1.2	3.0	1.0	1.3	1.6	0.3	0.0	0.1	-0.9	-0.6	0.0	-0.2	0.2	-0.1	0.6	0.0	0.3	0.2	-1.1	1.0	-0.5
Jun	0.2	0.6	-0.3	-2.4	-0.4	1.0	0.5	-1.2	0.3	-0.4	-0.5	2.4	1.5	0.3	-0.2	1.7	-0.4	0.0	0.1	0.3	2.8	-0.1	-2.0
Jul	0.3	0.8	-0.4	-0.9	0.2	-3.0	-1.4	1.1	0.3	0.4	1.7	-0.6	-0.1	0.6	0.0	0.3	2.2	0.1	-0.1	0.3	-1.2	0.0	0.3
Aug	-0.1	0.9	-1.0	1.7	-1.5	-1.0	0.3	-0.3	0.1	0.1	-0.7	-1.2	-0.7	0.7	0.0	0.9	-1.0	0.1	0.2	0.1	2.0	1.9	-1.5
Sep	0.1	0.7	0.6	8.3	0.0	-0.4	-0.3	0.3	0.0	-0.1	0.0	-0.1	1.3	-0.6	0.1	-0.5	-1.2	0.4	0.6	-0.1	-2.3	0.9	-0.3
Oct	0.2	0.4	0.6	-6.8	1.1	4.6	-1.1	-2.3	0.4	0.6	1.3	0.1	0.0	0.1	0.0	1.1	0.4	0.4	0.6	-0.3	-0.1	1.2	2.4
Nov	-0.4	0.1	-1.2	0.5	-1.8	0.3	-0.1	1.1	-0.3	-0.9	-0.9	1.2	-1.8	-1.2	-0.1	-1.1	0.7	0.0	0.8	0.2	2.5	0.0	2.5
Dec	0.0	-0.1	-0.4	-3.2	0.1	-2.2	0.5	-1.1	0.1	-0.2	-0.4	-0.5	0.4	0.1	0.3	0.4	0.4	0.3	0.2	0.2	0.3	-2.4	2.5
2020 Jan	0.1	-0.8	0.3	0.2	0.6	-2.6	1.0	-0.3	0.1	1.1	0.8	-0.4	-1.9	-0.5	0.1	0.5	0.0	0.0	0.9	0.6	0.2	-1.2	1.8
Feb	-0.3	-2.7	0.2	-0.2	0.5	-0.9	-0.8	-0.7	-0.3	-0.8	-3.0	1.1	1.7	-0.4	0.2	0.2	-1.4	0.2	-2.1	0.3	-1.8	-0.5	-5.8
Mar	-7.2	-4.8	-5.2	-6.2	-6.6	-0.1	0.7	-3.4	-7.8	-10.3	-12.8	-32.2	-1.3	-1.0	-0.3	-1.8	-10.3	0.2	-26.1	-9.3	-17.4	-13.3	-24.0
Apr	-18.7	-10.7	-19.8	-2.2	-25.2	-8.5	-7.7	-41.6	-16.7	-27.8	-25.7	-86.2	-10.3	-3.8	-2.1	-15.9	-26.2	0.3	-20.6	-18.4	-35.3	-38.1	-35.1
May	3.1	0.6	6.3	2.6	8.8	1.2	0.2	13.6	1.9	12.9	7.1	15.5	-1.3	0.6	-0.4	-1.3	0.3	0.3	3.2	2.9	-6.6	3.7	-11.5
Jun	9.2	1.5	10.6	7.6	12.8	4.3	5.9	19.7	8.3	28.5	14.4	115.0	5.1	0.4	-0.1	7.4	15.9	0.2	10.7	4.2	19.6	6.3	15.1
Jul	7.3	2.3	5.6	-2.7	7.4	5.0	1.1	17.8	6.8	7.7	6.0	160.7	4.0	0.0	0.7	3.8	4.4	0.1	14.3	8.5	16.3	46.4	34.6
Aug	2.2	1.9	1.0	-3.8	1.9	0.3	-0.3	3.2	2.3	-0.1	1.6	43.6	-0.8	-0.1	0.2	0.4	1.4	0.1	10.4	5.9	-0.1	-7.1	20.6
Sep	1.3	1.8	0.6	-2.6	1.1	-0.7	0.3	1.8	1.4	-0.2	2.6	-12.8	-0.1	1.2	0.2	3.8	1.3	0.2	9.9	4.5	4.7	2.2	1.2
Oct	0.9	-0.1	0.8	0.8	1.2	-1.5	0.1	0.8	0.9	1.4	1.5	-14.1	3.7	1.6	0.1	1.1	2.2	0.2	2.3	2.0	-0.4	0.1	-7.9
Nov	-2.2	-0.6	0.8	-4.4	1.4	1.3	0.0	0.6	-3.0	-5.7	0.6	-40.8	-1.9	0.1	-0.3	-0.3	-2.6	-0.1	-1.7	0.2	-13.6	-21.3	-5.0
Dec	1.0	-1.5	0.0	4.2	-0.6	0.7	1.3	-2.2	1.4	2.1	2.4	25.3	-1.4	-0.2	0.3	2.4	2.8	0.2	-4.6	2.1	5.9	17.2	7.7
2021 Jan	-2.5	-1.3	-1.9	-2.7	-2.4	0.0	0.1	0.4	-2.9	-7.9	-5.5	-15.5	2.8	-0.9	-0.1	-2.1	-1.2	0.2	-10.0	-0.7	-2.4	-17.5	6.2
Feb	0.7	-1.4	1.0	-2.8	1.5	0.8	1.3	2.3	0.6	2.8	1.2	2.9	-1.6	0.5	0.2	1.2	0.2	0.1	-1.7	0.7	1.2	0.3	2.0
Mar	2.1	0.2	1.8	2.5	2.1	-0.2	1.1	5.8	1.9	2.9	2.6	-1.3	1.1	0.8	0.2	2.9	2.8	0.0	8.6	1.7	1.2	-0.8	-6.3
Apr	2.3	1.4	-1.3	-15.0	-0.3	0.5	-0.9	-2.0	3.4	8.9	0.2	44.1	1.6	0.9	0.1	-1.0	0.9	0.1	11.2	0.2	2.6	28.9	-13.2

1 The GVA output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

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

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

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

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

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

GVA3

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

seasonally adjusted 2018=100

Section	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁶	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
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	
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	

Percentage change, latest month on same month a year ago

	ED2R	ED2S	ED2T	ED2U	ED2V	ED2W	ED2X	ED2Y	ED2Z	ED32	ED33	ED34	ED35	ED36	ED37	ED38	ED39	ED3A	ED3B	ED3C	ED3D	ED3E	ED3F
2019 Apr	1.6	5.7	-2.4	-5.4	-2.8	-1.1	1.9	3.7	2.1	4.0	3.9	3.1	8.5	-3.6	0.9	1.3	2.4	2.7	2.5	1.1	0.0	-3.6	6.0
May	1.6	6.2	-0.2	0.2	-1.5	7.3	2.1	2.5	1.8	2.3	1.8	1.7	7.5	-3.4	1.2	1.2	3.1	2.5	2.9	1.6	-0.8	-3.1	6.4
Jun	1.5	6.6	-1.2	-1.7	-2.4	7.1	0.1	0.5	2.0	1.9	0.6	3.5	9.6	-3.0	1.1	2.9	1.1	2.2	3.2	1.9	1.6	-3.8	3.4
Jul	1.4	7.2	-1.9	-7.9	-1.9	0.7	-0.2	1.4	2.0	1.2	2.2	1.8	9.9	-2.3	0.8	1.8	3.7	1.6	3.2	1.9	0.5	-3.6	2.5
Aug	1.2	8.0	-2.6	-6.8	-2.9	0.0	0.3	1.8	1.8	1.4	1.2	2.3	6.2	-1.8	0.6	2.7	3.2	1.3	3.3	1.6	3.5	-1.5	-0.4
Sep	1.2	8.7	-2.2	5.5	-3.7	-0.1	0.7	1.3	1.8	2.1	1.2	1.9	6.1	-2.2	0.8	2.2	1.7	1.8	3.7	1.3	1.2	1.1	-0.5
Oct	1.2	8.7	-0.8	-2.2	-1.6	5.6	-0.2	-1.4	1.7	1.9	0.7	0.8	7.5	-2.1	0.4	2.6	0.8	2.3	3.5	0.8	1.0	2.2	-4.3
Nov	0.8	7.7	-1.3	-0.4	-2.7	5.9	0.4	0.1	1.1	0.3	-0.2	0.8	5.0	-2.9	0.4	1.0	1.0	2.4	3.8	1.1	3.1	3.6	-1.5
Dec	1.0	5.6	-1.7	-2.7	-2.6	3.3	0.9	1.3	1.4	1.6	0.3	1.2	1.7	-2.2	0.6	2.1	3.0	2.6	3.9	1.4	0.9	2.2	0.5
2020 Jan	0.6	4.6	-2.2	-0.5	-3.1	-1.8	2.3	-1.0	1.2	1.3	1.4	-0.5	-1.2	-2.6	0.6	4.1	1.5	1.9	4.9	1.9	2.5	1.0	6.3
Feb	0.0	1.9	-2.3	-2.8	-3.1	0.6	0.7	-3.9	0.7	0.3	-2.2	0.6	1.1	-2.4	0.7	3.2	-0.4	1.7	2.5	2.0	0.5	-0.1	1.1
Mar	-7.3	-3.5	-8.6	-12.7	-10.5	-0.2	1.0	-6.6	-7.2	-10.5	-14.7	-31.4	0.0	-2.6	0.3	1.5	-10.9	1.7	-24.6	-7.6	-17.2	-13.6	-23.2
Apr	-24.4	-14.4	-24.4	-8.7	-30.3	-11.4	-6.9	-45.4	-22.7	-35.5	-37.0	-90.5	-11.1	-5.8	-1.8	-14.6	-33.6	2.1	-40.5	-24.7	-45.8	-45.9	-51.1
May	-22.2	-14.6	-20.6	-9.1	-24.9	-11.5	-8.2	-38.1	-21.2	-27.2	-31.9	-89.0	-12.3	-5.0	-2.5	-15.6	-33.7	2.3	-38.7	-22.7	-48.9	-44.5	-56.5
Jun	-15.2	-13.8	-11.9	0.2	-14.9	-8.6	-3.2	-25.0	-15.0	-6.0	-21.7	-76.9	-9.2	-4.9	-2.3	-10.9	-22.9	2.5	-32.2	-19.6	-40.5	-40.9	-48.9
Jul	-9.3	-12.6	-6.7	-1.7	-8.8	-1.1	-0.8	-12.5	-9.4	0.8	-18.4	-39.5	-5.4	-5.4	-1.7	-7.7	-21.3	2.5	-22.5	-13.0	-30.0	-13.5	-31.4
Aug	-7.2	-11.7	-4.7	-7.1	-5.6	0.1	-1.4	-9.4	-7.4	0.6	-16.6	-12.1	-5.5	-6.1	-1.5	-8.2	-19.4	2.5	-14.6	-8.0	-31.4	-21.1	-16.0
Sep	-6.0	-10.7	-4.8	-16.4	-4.6	-0.1	-0.8	-8.1	-6.0	0.5	-14.4	-23.2	-6.8	-4.4	-1.4	-4.2	-17.3	2.3	-6.7	-3.8	-26.5	-20.1	-14.7
Oct	-5.4	-11.1	-4.6	-9.7	-4.5	-5.9	0.4	-5.2	-5.5	1.3	-14.2	-34.1	-3.3	-3.0	-1.4	-4.2	-15.8	2.1	-5.1	-1.6	-26.8	-21.0	-23.3
Nov	-7.2	-11.7	-2.7	-14.0	-1.4	-5.0	0.6	-5.7	-8.1	-3.5	-12.9	-61.5	-3.5	-1.7	-1.6	-3.5	-18.6	2.0	-7.5	-1.6	-38.3	-37.8	-29.0
Dec	-6.3	-13.0	-2.3	-7.4	-2.2	-2.2	1.3	-6.8	-6.9	-1.3	-10.5	-51.5	-5.3	-2.0	-1.5	-1.5	-16.7	1.9	-11.9	0.3	-34.9	-25.3	-25.4
2021 Jan	-8.8	-13.4	-4.4	-10.0	-5.1	0.4	0.4	-6.1	-9.7	-10.0	-16.1	-58.9	-0.8	-2.4	-1.7	-4.0	-17.6	2.0	-21.4	-1.0	-36.6	-37.7	-22.1
Feb	-7.8	-12.3	-3.5	-12.4	-4.2	2.1	2.5	-3.3	-8.9	-6.8	-12.4	-58.1	-4.0	-1.5	-1.6	-3.0	-16.3	1.9	-21.0	-0.6	-34.6	-37.2	-15.7
Mar	1.4	-7.7	3.6	-4.3	4.8	2.0	2.9	6.0	0.7	6.9	3.1	-39.0	-1.7	0.3	-1.2	1.6	-4.1	1.7	16.0	11.4	-19.9	-28.1	3.9
Apr	27.6	4.7	27.5	-16.8	39.7	12.0	10.4	77.9	24.9	61.3	39.0	537.9	11.4	5.2	1.1	19.6	31.0	1.4	62.4	36.8	26.9	49.8	38.9

1 The GVA output is designated as a National Statistic.

2 Indices reflect values measured at basic prices, which exclude "taxes less subsidies on products".

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

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

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

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

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

Industry sections (SIC2007)																							
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁴	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	Activities of households as employers, undifferentiated goods and services
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	3
Percentage change, latest 3 months on previous 3 months ³																							
2019 Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percentage change, latest 3 months on same 3 months a year ago ³																							
2019 Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021 Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

	Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction ⁴	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities	
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	3

Percentage change, latest month on previous month ³

2019	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

2019	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Apr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	May	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jun	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Jul	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Aug	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Dec	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

CONTRIB 1

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

seasonally adjusted 2018=100

Section		Industry sections (SIC2007)																						Activities of households as employers, undifferentiated goods and services	
		Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities		
		A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S		T
2018 weights		1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	3	
Contribution to growth, latest 3 months on previous 3 months																									
		EDMB	EDMC	EDMD	EDME	EDMF	EDMG	EDMH	EDMI	EDMJ	EDMK	EDML	EDMM	EDMN	EDMO	EDMP	EDMQ	EDMR	EDMS	EDMT	EDMU	EDMV	EDMW	EDMX	
2019	Apr	0.50	0.01	0.08	0.01	0.06	0.00	0.01	0.15	0.26	0.09	0.01	0.00	0.10	-0.10	0.02	-0.02	0.04	0.05	0.04	0.02	0.00	0.00	-0.01	
	May	0.32	0.01	0.01	0.02	-0.06	0.02	0.02	0.10	0.21	0.12	0.01	-0.01	0.02	-0.11	0.03	0.00	0.03	0.03	0.06	0.03	-0.02	0.00	0.00	
	Jun	-0.01	0.01	-0.20	-0.02	-0.25	0.05	0.02	0.00	0.19	0.04	-0.01	0.00	0.08	-0.08	0.03	0.05	-0.02	0.01	0.07	0.03	-0.01	0.00	0.00	
	Jul	0.20	0.01	-0.10	-0.02	-0.15	0.04	0.02	-0.03	0.32	0.02	-0.02	0.01	0.11	-0.03	0.02	0.08	0.02	0.00	0.05	0.04	0.00	0.00	0.00	
	Aug	0.32	0.01	-0.15	-0.03	-0.14	0.01	0.01	-0.03	0.49	0.00	0.00	0.03	0.10	0.04	0.00	0.16	0.04	0.01	0.03	0.05	0.02	0.01	-0.01	
	Sep	0.43	0.02	-0.09	0.03	-0.07	-0.04	-0.01	0.02	0.48	0.02	0.02	0.00	0.06	0.06	0.00	0.14	0.06	0.02	0.02	0.04	0.01	0.03	-0.01	
	Oct	0.26	0.02	-0.11	0.04	-0.11	-0.02	-0.01	-0.04	0.39	0.04	0.03	-0.03	0.04	0.05	0.00	0.13	-0.02	0.03	0.04	0.02	0.01	0.05	0.00	
	Nov	0.13	0.01	-0.03	0.05	-0.08	0.01	-0.02	-0.05	0.19	0.02	0.03	-0.02	0.01	-0.02	0.01	0.05	-0.03	0.04	0.08	0.00	-0.01	0.05	0.00	
	Dec	-0.02	0.01	-0.04	-0.02	-0.05	0.05	-0.01	-0.12	0.13	-0.02	0.01	0.01	-0.03	-0.06	0.01	0.04	-0.01	0.04	0.09	-0.01	0.01	0.03	0.01	
	2020	Jan	-0.17	0.00	-0.11	-0.04	-0.07	0.01	0.00	-0.08	0.01	-0.04	0.00	0.02	-0.12	-0.09	0.02	-0.01	0.04	0.03	0.10	0.02	0.03	-0.02	0.02
	Feb	-0.23	-0.01	-0.10	-0.05	-0.02	-0.04	0.01	-0.10	-0.01	-0.02	-0.04	0.01	-0.10	-0.07	0.04	0.03	0.03	0.02	0.05	0.05	0.02	-0.05	0.01	
	Mar	-2.62	-0.03	-0.27	-0.04	-0.18	-0.07	0.01	-0.15	-2.18	-0.35	-0.24	-0.31	-0.10	-0.08	0.03	-0.01	-0.20	0.02	-0.52	-0.16	-0.09	-0.13	-0.02	
Apr	-10.80	-0.06	-1.27	-0.06	-1.09	-0.09	-0.03	-1.08	-8.40	-1.60	-0.75	-1.22	-0.25	-0.16	-0.08	-0.45	-0.84	0.03	-1.42	-0.85	-0.37	-0.38	-0.09		
May	-18.14	-0.09	-2.12	-0.07	-1.90	-0.10	-0.06	-1.80	-14.14	-2.53	-1.13	-2.13	-0.55	-0.23	-0.23	-0.96	-1.42	0.03	-2.18	-1.49	-0.63	-0.61	-0.15		
Jun	-18.77	-0.09	-2.20	-0.02	-2.02	-0.10	-0.07	-2.18	-14.31	-2.08	-1.06	-2.32	-0.69	-0.25	-0.35	-1.25	-1.47	0.04	-1.82	-1.61	-0.67	-0.70	-0.15		
Jul	-5.42	-0.05	-0.32	0.03	-0.33	-0.01	-0.01	-0.52	-4.54	0.53	-0.29	-0.94	-0.32	-0.13	-0.26	-0.61	-0.63	0.04	-0.62	-0.67	-0.34	-0.25	-0.08		
Aug	9.37	0.00	1.48	0.06	1.28	0.09	0.06	1.13	6.77	2.90	0.45	1.02	0.21	-0.03	-0.09	0.24	0.35	0.04	0.85	0.49	0.08	0.21	0.04		
Sep	16.95	0.04	2.19	-0.01	2.00	0.14	0.07	2.19	12.54	3.11	0.74	2.29	0.50	0.06	0.11	0.84	0.77	0.03	1.70	1.40	0.33	0.58	0.12		
Oct	11.35	0.04	1.21	-0.06	1.18	0.06	0.04	1.33	8.78	1.48	0.46	1.59	0.35	0.10	0.12	0.68	0.51	0.03	1.60	1.28	0.22	0.30	0.10		
Nov	4.97	0.02	0.53	-0.08	0.60	0.01	0.01	0.63	3.79	0.13	0.26	0.10	0.18	0.15	0.07	0.48	0.20	0.02	1.17	0.95	0.05	0.02	0.04		
Dec	1.27	0.01	0.28	-0.04	0.32	-0.01	0.01	0.17	0.82	-0.22	0.19	-0.78	0.11	0.15	0.03	0.35	0.13	0.02	0.50	0.59	-0.06	-0.16	-0.01		
2021	Jan	-1.46	-0.01	0.11	-0.02	0.12	0.01	0.01	0.02	-1.62	-0.65	0.08	-1.03	0.03	0.07	0.00	0.20	0.03	0.01	-0.25	0.40	-0.12	-0.25	-0.01	
Feb	-1.73	-0.02	-0.02	-0.01	-0.05	0.02	0.02	-0.03	-1.68	-0.60	0.00	-0.50	-0.01	0.00	0.02	0.12	0.05	0.02	-0.83	0.26	-0.06	-0.17	0.02		
Mar	-1.51	-0.02	-0.05	-0.02	-0.07	0.02	0.03	0.16	-1.62	-0.61	-0.08	-0.29	0.03	-0.02	0.03	0.09	0.04	0.02	-0.82	0.18	-0.03	-0.21	0.02		
Apr	1.50	-0.01	0.06	-0.04	0.08	0.01	0.03	0.32	1.13	0.28	0.00	0.16	0.07	0.05	0.06	0.18	0.12	0.01	-0.08	0.21	0.04	0.01	0.00		
Contribution to growth, latest 3 months on same 3 months a year ago																									
		EDMY	EDMZ	EDNA	EDNB	EDNC	EDND	EDNE	EDNF	EDNG	EDNH	EDNI	EDNJ	EDNK	EDNL	EDNM	EDNN	EDNO	EDNP	EDNQ	EDNR	EDNS	EDNT	EDNU	
2019	Apr	1.93	0.03	-0.09	0.03	-0.04	-0.08	0.01	0.28	1.71	0.44	0.15	0.12	0.56	-0.22	0.05	0.16	0.18	0.12	0.11	0.04	0.02	-0.05	0.02	
	May	1.78	0.04	-0.07	0.02	-0.09	-0.01	0.02	0.25	1.57	0.39	0.13	0.08	0.51	-0.23	0.11	0.12	0.16	0.12	0.14	0.08	0.01	-0.06	0.02	
	Jun	1.54	0.04	-0.18	-0.03	-0.23	0.06	0.02	0.14	1.53	0.29	0.08	0.08	0.55	-0.23	0.14	0.14	0.12	0.12	0.16	0.11	0.00	-0.06	0.02	
	Jul	1.49	0.04	-0.15	-0.04	-0.19	0.07	0.01	0.09	1.51	0.19	0.06	0.07	0.59	-0.20	0.14	0.15	0.14	0.10	0.18	0.13	0.01	-0.06	0.01	
	Aug	1.37	0.05	-0.26	-0.06	-0.24	0.04	0.00	0.08	1.51	0.16	0.05	0.08	0.56	-0.16	0.11	0.19	0.14	0.08	0.18	0.13	0.03	-0.05	0.01	
	Sep	1.29	0.05	-0.31	-0.04	-0.28	0.00	0.00	0.10	1.45	0.17	0.06	0.06	0.49	-0.14	0.10	0.18	0.15	0.08	0.19	0.12	0.03	-0.02	0.00	
	Oct	1.21	0.05	-0.25	-0.01	-0.27	0.03	0.00	0.04	1.37	0.19	0.04	0.05	0.44	-0.14	0.08	0.19	0.10	0.09	0.20	0.09	0.03	0.01	-0.01	
	Nov	1.05	0.05	-0.19	0.01	-0.26	0.05	0.00	0.00	1.19	0.15	0.02	0.03	0.41	-0.16	0.07	0.15	0.06	0.11	0.21	0.08	0.03	0.04	-0.01	
	Dec	0.97	0.05	-0.17	-0.02	-0.23	0.07	0.00	0.00	1.09	0.13	0.01	0.03	0.31	-0.16	0.06	0.14	0.08	0.12	0.21	0.08	0.03	0.05	-0.01	
	2020	Jan	0.79	0.04	-0.24	-0.01	-0.27	0.03	0.01	0.01	0.98	0.11	0.02	0.02	0.12	-0.17	0.07	0.18	0.10	0.11	0.24	0.11	0.04	0.04	0.01
	Feb	0.54	0.03	-0.28	-0.02	-0.29	0.01	0.02	-0.08	0.88	0.11	-0.01	0.01	0.04	-0.15	0.09	0.24	0.07	0.10	0.22	0.13	0.02	0.02	0.01	
	Mar	-2.23	0.01	-0.60	-0.06	-0.55	-0.01	0.02	-0.25	-1.38	-0.31	-0.21	-0.31	0.00	-0.16	0.07	0.22	-0.17	0.09	-0.34	-0.09	-0.08	-0.07	-0.02	
Apr	-10.54	-0.03	-1.58	-0.08	-1.43	-0.05	-0.02	-1.23	-7.70	-1.58	-0.74	-1.21	-0.23	-0.23	-0.03	-0.25	-0.79	0.09	-1.22	-0.77	-0.33	-0.34	-0.08		
May	-17.95	-0.07	-2.41	-0.11	-2.14	-0.11	-0.06	-1.98	-13.50	-2.54	-1.15	-2.10	-0.54	-0.28	-0.18	-0.73	-1.38	0.10	-2.03	-1.39	-0.60	-0.60	-0.14		
Jun	-20.58	-0.09	-2.55	-0.06	-2.27	-0.15	-0.08	-2.38	-15.56	-2.39	-1.24	-2.57	-0.75	-0.33	-0.30	-1.05	-1.59	0.11	-2.18	-1.70	-0.72	-0.75	-0.17		
Jul	-15.55	-0.09	-1.76	-0.04	-1.58	-0.10	-0.05	-1.66	-12.06	-1.13	-0.98	-2.06	-0.62	-0.32	-0.29	-0.88	-1.38	0.12	-1.83	-1.40	-0.64	-0.57	-0.14		
Aug	-10.56	-0.08	-1.04	-0.03	-0.95	-0.05	-0.02	-1.02	-8.41	-0.16	-0.78	-1.30	-0.47	-0.35	-0.25	-0.69	-1.13	0.13	-1.35	-1.03	-0.55	-0.44	-0.10		
Sep																									

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

seasonally adjusted 2018=100

	Industry sections (SIC2007)																							Activities of households as employers, undifferentiated goods and services
	Total GVA at basic prices	Agriculture, forestry and fishing	Total production industries	Mining & quarrying	Manufacturing	Electricity gas, steam and air	Water supply, sewerage etc	Construction	Total service industries	Wholesale and retail: repair of motor vehicles and motorcycles	Transport and storage	Accommodation and food service activities	Information and Communication	Financial and insurance activities	Real estate activities	Professional, scientific and technical activities	Administrative and support service activities	Public administration and defence	Education	Human health and social work activities	Arts, entertainment and recreation	Other service activities		
Section	A-T	A	B-E	B	C	D	E	F	G-T	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
2018 weights	1000	6	139	11	101	14	13	64	790	104	40	29	66	68	135	77	53	49	57	75	16	18	3	

Contribution to growth, latest month on previous month

		EDKH	EDKI	EDKJ	EDKK	EDKL	EDKM	EDKN	EDKO	EDKP	EDKQ	EDKR	EDKS	EDKT	EDKU	EDKV	EDKW	EDKX	EDKY	EDKZ	EDLA	EDLB	EDLC	EDLD
2019	Apr	-0.42	0.00	-0.42	-0.07	-0.39	0.04	0.00	-0.01	0.01	0.01	0.02	-0.01	0.06	-0.03	0.01	-0.01	-0.06	0.00	0.03	0.01	-0.02	-0.02	0.01
	May	0.22	0.01	0.17	0.03	0.10	0.02	0.02	0.02	0.03	0.01	-0.04	-0.02	0.00	-0.01	0.03	-0.01	0.03	0.00	0.02	0.02	-0.02	0.02	0.00
	Jun	0.16	0.00	-0.04	-0.03	-0.04	0.01	0.01	-0.08	0.28	-0.04	-0.02	0.07	0.11	0.02	-0.03	0.13	-0.02	0.00	0.00	0.02	0.04	0.00	-0.01
	Jul	0.29	0.01	-0.05	-0.01	0.02	-0.04	-0.02	0.07	0.27	0.04	0.07	-0.02	-0.01	0.04	0.00	0.02	0.12	0.00	-0.01	0.02	-0.02	0.00	0.00
	Aug	-0.10	0.01	-0.14	0.02	-0.15	-0.01	0.00	-0.02	0.05	0.01	-0.03	-0.04	-0.05	0.05	0.00	0.07	-0.05	0.01	0.01	0.01	0.03	0.03	0.00
	Sep	0.07	0.00	0.08	0.09	0.00	-0.01	0.00	0.02	-0.03	-0.01	0.00	0.00	0.09	-0.04	0.01	-0.04	-0.06	0.02	0.03	-0.01	-0.04	0.01	0.00
	Oct	0.22	0.00	0.08	-0.08	0.11	0.06	-0.01	-0.15	0.29	0.06	0.05	0.00	0.00	0.00	0.01	0.08	0.02	0.02	0.03	-0.02	0.00	0.02	0.01
	Nov	-0.35	0.00	-0.16	0.00	-0.17	0.00	0.00	0.07	-0.26	-0.10	-0.04	0.04	-0.13	-0.08	-0.02	-0.08	0.04	0.00	0.05	0.02	0.04	0.00	0.01
	Dec	-0.04	0.00	-0.05	-0.04	0.01	-0.03	0.01	-0.07	0.08	-0.02	-0.01	-0.01	0.03	0.01	0.04	0.03	0.02	0.01	0.01	0.01	0.00	-0.04	0.01
	Jan	0.12	0.00	0.04	0.00	0.06	-0.04	0.01	-0.02	0.11	0.11	0.03	-0.01	-0.13	-0.03	0.01	0.04	0.00	0.00	0.05	0.05	0.00	-0.02	0.01
	Feb	-0.31	-0.02	0.02	0.00	0.04	-0.01	-0.01	-0.04	-0.27	-0.09	-0.12	0.03	0.12	-0.02	0.02	0.02	-0.07	0.01	-0.13	0.02	-0.03	-0.01	-0.02
	Mar	-7.19	-0.03	-0.70	-0.06	-0.64	0.00	0.01	-0.22	-6.25	-1.07	-0.52	-0.98	-0.09	-0.06	-0.04	-0.14	-0.55	0.01	-1.55	-0.72	-0.28	-0.23	-0.08
2020	Apr	-18.71	-0.07	-2.68	-0.02	-2.44	-0.13	-0.10	-2.77	-13.20	-2.80	-0.97	-1.91	-0.76	-0.25	-0.30	-1.33	-1.34	0.02	-0.97	-1.39	-0.51	-0.61	-0.09
	May	3.06	0.00	0.84	0.03	0.79	0.02	0.00	0.65	1.57	1.15	0.24	0.06	-0.11	0.05	-0.07	-0.11	0.01	0.02	0.15	0.22	-0.08	0.05	-0.02
	Jun	9.19	0.01	1.46	0.09	1.21	0.07	0.09	1.04	6.69	2.79	0.52	0.48	0.40	0.03	-0.02	0.61	0.72	0.01	0.50	0.32	0.20	0.08	0.03
	Jul	7.26	0.02	0.72	-0.03	0.72	0.08	0.02	1.03	5.44	0.88	0.22	1.33	1.03	0.30	0.00	0.11	0.31	0.21	0.01	0.67	0.62	0.19	0.56
	Aug	2.21	0.01	0.14	-0.04	0.19	0.00	0.00	0.20	1.86	-0.01	0.06	0.88	-0.06	-0.01	0.03	0.03	0.07	0.01	0.52	0.43	0.00	-0.12	0.05
	Sep	1.32	0.01	0.08	-0.03	0.11	-0.01	0.00	0.11	0.11	-0.02	0.10	-0.36	-0.01	0.08	0.02	0.30	0.06	0.01	0.53	0.34	0.06	0.03	0.00
	Oct	0.86	0.00	0.10	0.01	0.11	-0.02	0.00	0.05	0.71	0.15	0.05	-0.35	0.26	0.10	0.01	0.09	0.10	0.01	0.13	0.16	-0.01	0.00	-0.02
	Nov	-2.23	0.00	0.11	-0.04	0.14	0.02	0.00	0.04	-2.37	-0.63	0.02	-0.85	-0.14	0.01	-0.04	-0.02	-0.12	-0.01	-0.10	0.01	-0.17	-0.32	-0.01
	Dec	0.96	-0.01	0.01	0.04	-0.06	0.01	0.02	-0.14	1.10	0.23	0.09	0.32	-0.10	-0.01	0.05	0.20	0.13	0.01	-0.27	0.17	0.06	0.21	0.02
	Jan	-2.55	-0.01	-0.25	-0.02	-0.23	0.00	0.00	0.02	-2.33	-0.83	-0.21	-0.23	0.19	-0.06	-0.02	-0.17	-0.05	0.01	-0.67	-0.07	-0.03	-0.24	0.02
	Feb	0.73	-0.01	0.14	-0.02	0.14	0.01	0.02	0.15	0.44	0.27	0.04	0.04	-0.11	0.04	0.03	0.10	0.01	0.00	-0.10	0.07	0.01	0.00	0.01
	Mar	2.11	0.00	0.23	0.02	0.20	0.00	0.01	0.38	1.49	0.29	0.10	-0.02	0.08	0.05	0.02	0.24	0.13	0.00	0.52	0.17	0.01	-0.01	-0.02
	Apr	2.32	0.01	-0.17	-0.10	-0.03	0.01	-0.01	-0.13	2.67	0.90	0.01	0.56	0.11	0.06	0.02	-0.08	0.04	0.00	0.72	0.02	0.03	0.32	-0.03

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

		EDLE	EDLF	EDLG	EDLH	EDLI	EDLJ	EDLK	EDLL	EDLM	EDLN	EDLO	EDLP	EDLQ	EDLR	EDLS	EDLT	EDLU	EDLV	EDLW	EDLX	EDLY	EDLZ	EDMA
2019	Apr	1.57	0.04	-0.33	-0.06	-0.28	-0.02	0.02	0.24	1.62	0.41	0.16	0.09	0.55	-0.24	0.12	0.10	0.13	0.13	0.14	0.08	0.00	-0.07	0.02
	May	1.57	0.04	-0.03	0.00	-0.15	0.10	0.03	0.16	1.40	0.24	0.07	0.05	0.49	-0.23	0.17	0.09	0.16	0.12	0.16	0.12	-0.01	-0.06	0.02
	Jun	1.47	0.04	-0.17	-0.02	-0.24	0.10	0.00	0.03	1.56	0.20	0.02	0.10	0.62	-0.20	0.15	0.22	0.06	0.11	0.18	0.14	0.03	-0.07	0.01
	Jul	1.42	0.05	-0.26	-0.09	-0.19	0.01	0.00	0.09	1.55	0.13	0.09	0.05	0.64	-0.16	0.11	0.14	0.19	0.08	0.18	0.14	0.01	-0.07	0.01
	Aug	1.22	0.05	-0.36	-0.08	-0.29	0.00	0.00	0.12	1.41	0.15	0.05	0.07	0.41	-0.12	0.09	0.21	0.17	0.06	0.19	0.12	0.06	-0.03	0.00
	Sep	1.23	0.06	-0.30	0.06	-0.37	0.00	0.01	0.09	1.39	0.22	0.05	0.06	0.41	-0.15	0.11	0.17	0.09	0.09	0.21	0.10	0.02	0.02	0.00
	Oct	1.17	0.05	-0.10	-0.02	-0.16	0.08	0.00	-0.09	1.31	0.20	0.03	0.02	0.50	-0.14	0.06	0.20	0.04	0.11	0.20	0.06	0.02	0.04	-0.01
	Nov	0.75	0.05	-0.18	0.00	-0.26	0.08	0.00	0.01	0.88	0.03	-0.01	0.02	0.33	-0.19	0.05	0.07	0.05	0.12	0.22	0.08	0.05	0.06	0.00
	Dec	0.99	0.04	-0.23	-0.03	-0.26	0.05	0.01	0.08	1.09	0.17	0.01	0.04	0.12	-0.15	0.08	0.16	0.16	0.13	0.23	0.11	0.02	0.04	0.00
2020	Jan	0.64	0.03	-0.31	0.00	-0.30	-0.03	0.03	-0.07	0.98	0.13	0.06	-0.01	-0.08	-0.17	0.08	0.31	0.08	0.09	0.28	0.14	0.04	0.02	0.02
	Feb	0.02	0.01	-0.32	-0.03	-0.30	0.01	0.01	-0.26	0.58	0.03	-0.09	0.02	0.08	-0.15	0.10	0.24	-0.02	0.08	0.14	0.15	0.01	0.00	0.00
	Mar	-7.33	-0.02	-1.18	-0.14	-1.05	0.00	0.01	-0.43	-5.69	-1.09	-0.61	-0.94	0.00	-0.16	0.05	0.11	-0.58	0.09	-1.43	-0.57	-0.28	-0.23	-0.07
	Apr	-24.35	-0.09	-3.26	-0.09	-2.94	-0.16	-0.09	-3.00	-18.01	-3.70	-1.53	-2.72	-0.77	-0.37	-0.24	-1.12	-1.77	0.10	-2.38	-1.88	-0.74	-0.79	-0.17
	May	-22.21	-0.10	-2.79	-0.09	-2.43	-0.17	-0.10	-2.52	-16.82	-2.84	-1.31	-2.65	-0.85	-0.32	-0.33	-1.19	-1.79	0.12	-2.28	-1.72	-0.77	-0.77	-0.18
	Jun	-15.19	-0.09	-1.60	0.00	-1.45	-0.12	-0.04	-1.63	-11.87	-0.63	-0.88	-2.35	-0.64	-0.31	-0.31	-0.84	-1.21	0.12	-1.89	-1.49	-0.66	-0.71	-0.15
	Jul	-9.30	-0.08	-0.89	-0.02	-0.86	-0.02	-0.01	-0.83	-7.50	0.08	-0.76	-1.19	-0.38	-0.34	-0.23	-0.60	-1.14	0.13	-1.31	-0.99	-0.48	-0.23	-0.10
	Aug	-7.19	-0.08	-0.63	-0.07	-0.54	0.00	-0.02	-0.62	-5.87	0.06	-0.68	-0.36	-0.38	-0.39	-0.20	-0.64	-1.03	0.13	-0.86	-0.61	-0.51	-0.37	-0.05
	Sep	-6.03	-0.07	-0.64	-0.18	-0.44	0.00	-0.01	-0.53	-4.80	0.05	-0.59	-0.69	-0.48	-0.28	-0.19	-0.33	-0.91	0.12	-0.40	-0.29	-0.42	-0.36	-0.05
	Oct	-5.44	-0.07	-0.62	-0.10	-0.43	-0.09	0.00	-0.33	-4.41	0.14	-0.59	-1.02	-0.23	-0.19	-0.18	-0.33	-0.84	0.10	-0.30	-0.12	-0.43	-0.37	-0.07
	Nov	-7.22	-0.08	-0.35	-0.15	-0.14	-0.07	0.01	-0.37	-6.42	-0.37	-0.53	-1.86	-0.24	-0.11	-0.21	-0.27	-0.99	0.10	-0.45	-0.13	-0.63	-0.68	-0.09
	Dec	-6.30	-0.09	-0.30	-0.07	-0.21	-0.03	0.02	-0.44	-5.48	-0.13	-0.43	-1.55	-0.37	-0.12	-0.20	-0.12	-0.89	0.09	-0.71	0.02	-0.57	-0.44	-0.08
2021	Jan	-8.79	-0.09	-0.54	-0.07	-0.47	0.01	0.01	-0.38	-7.84	-1.00	-0.65	-1.69	-0.05	-0.15	-0.22	-0.31	-0.91	0.10	-1.54	-0.10	-0.59	-0.63	-0.07
	Feb	-7.84	-0.08	-0.44	-0.09	-0.38	0.03	0.03	-0.20	-7.18	-0.67	-0.49	-1.69	-0.27	-0.09	-0.21	-0.24	-0.84	0.09	-1.49	-0.06	-0.55	-0.62	-0.05
	Mar	1.39	-0.05	0.46	-0.03	0.45	0.03	0.04	0.38	0.57	0.66	0.11	-0.83	-0.12	0.02	-0.16	0.13	-0.20	0.09	0.90	1.07	-0.28	-0.44	0.01
	Apr	2.32	0.01	-0.17	-0.10	-0.03	0.01	-0.01	-0.13	2.67	0.90	0.01	0.56	0.11	0.06	0.02	-0.08	0.04	0.00	0.72	0.02	0.03	0.32	-0.03