

Statistical bulletin

# Index of Production, UK: July 2021

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



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Release date:  
10 September 2021

Next release:  
13 October 2021

## Correction

### 10 September 2021 12:30

Please note that Q3 2021 test data was incorrectly published on the PDF release tables (IoP5), time series and output of the production industries datasets and should not be used as an indicator of Q3 2021 output.

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# 1 . Main points

- Monthly production rose by 1.2% between June 2021 and July 2021 meaning output was 2.1% below its February 2020 level, the last month of "normal" trading conditions prior to the coronavirus (COVID-19) pandemic; the coronavirus pandemic has generally had a negative impact on production output, although each sector has been affected differently.
- The rise in production between June 2021 and July 2021 came from an increase of 21.9% in mining and quarrying; extraction of crude petroleum and natural gas increased because of some pipelines re-opening after a period of closure for maintenance.
- Manufacturing remained flat over the month at 0.0% growth, with 4 of the 13 manufacturing subsectors seeing rises; a rise of 5.9% in manufacture of transport equipment was offset by a fall of 4.3% in manufacture of machinery and equipment.
- Production output for the three months to July 2021 increased by 0.4% compared with the three months to April 2021.
- Manufacturing output remains 2.3% below its February 2020 level, and mining & quarrying is 16.6% below, but electricity and gas is now 4.4% above its February 2020 level, and water supply & sewerage is 4.8% above; for further and detailed analysis of the effect on our monthly Index of Production estimate, please see our article [Coronavirus and the impact on output in the UK economy, UK: July 2021](#), published 10 September 2021.

# 2 . Index of Production data

## [Index of Production time series](#)

Dataset DIOP | Released 10 September 2021

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

## [Output of the production industries](#)

Dataset | Released 10 September 2021

Index values and growth rates for production, manufacturing and the main industrial groupings in the UK.

## [Index of Production and industry sectors to four decimal places](#)

Dataset | Released 10 September 2021

Monthly index values for production and the main Index of Production (IoP) sectors in the UK to four decimal places.

## [Monthly Business Survey turnover in production industries](#)

Dataset | Released 10 September 2021

Monthly Business Survey (MBS) production industries' total turnover, domestic sales and exports in the UK. Figures are in current price and non-seasonally adjusted.

## [Export proportions for manufacturing industries](#)

Dataset | Released 10 September 2021

Monthly, three-monthly and annual export data for the manufacturing industries, collected by the MBS at industry level in the UK.

All data related to the IoP are available on the [Related data page](#).

## 3 . Measuring the data

The Index of Production (IoP) uses data from a variety of sources and is calculated by taking turnover and removing the impact of price changes or by using direct volume estimates.

The majority of these data are collected as "turnover values" through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Business, Energy and Industrial Strategy (BEIS) and the International Steel Statistics Bureau (ISSB) for steel industries.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small and medium-sized businesses. For more information, see [VAT turnover data in national accounts: background and methodology](#).

A comprehensive list of the IoP source data can be found in the [Gross domestic product \(GDP\(O\)\) source catalogue \(XLS, 715KB\)](#).

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [UK IoP QMI](#).

### Blue Book 2021

In Blue Book 2021 [a new framework](#) will be introduced to improve how we produce volume estimates of gross domestic product (GDP) for balanced years as part of the supply use process. This framework includes the implementation of double-deflated industry-level gross value added (GVA) for the first time. This improvement will be reflected in the September quarterly national accounts and October monthly GDP estimates. On 8 September 2021, we published [Impact of Blue Book 2021 changes on quarterly and monthly volume estimates of GDP by industry](#), and these changes will be taken on in the next GDP monthly release, on 13 October 2021.

### Coronavirus (COVID-19)

The Office for National Statistics' (ONS') Monthly Business Survey (MBS) is fully online, meaning that business owners can logon from any location and submit their data at an appropriate time. Most other data in the IoP comes from the BEIS and therefore will be less impacted than survey data.

Our latest data and analysis on the impact of the coronavirus (COVID-19) on the UK economy and population is now available on a [new web page](#). This will be the hub for all special coronavirus-related publications, including the fortnightly Business Impact of Coronavirus (COVID-19) Survey (BICS).

The ONS has released a [public statement](#) on COVID-19 and the production of statistics. Specific queries must be directed to the [Media Relations Office](#).

## 4 . Related links

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

Article | Released 10 September 2021

Analysis of monthly growth for the production, services and construction industries in the UK economy between June 2021 and July 2021, highlighting the early impact from the coronavirus (COVID-19) pandemic.

### [International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#)

Article | Released 1 February 2021

The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in volume GDP amongst the G7 countries. However, international comparisons have also been complicated by how National Statistical Institutes (NSIs) record non-market output.

### [Comparison of motor vehicle manufacturing output statistics, UK: 1997 to 2019](#)

Article | Released 10 January 2020

A comparison of the methodologies used to estimate motor vehicle manufacturing outputs by the Office for National Statistics (ONS) and the Society of Motor Manufacturers and Traders (SMMT).

### [A comparison between official estimates of UK output and diffusion indices](#)

Article | Released 21 October 2019

The level of correlation between the ONS' data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

### [GDP monthly estimate, UK: July 2021](#)

Bulletin | Released 10 September 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 and includes the Index of Production (IoP), Index of Services (IoS) and construction output in Great Britain.

### [Producer price inflation, UK: July 2021](#)

Bulletin | Released 18 August 2021

The corresponding price indices used to deflate the IoP are published in the monthly publication of [UK producer price inflation](#).

### [UK manufacturers' sales by product \(ProdCom\): 2020 results](#)

Bulletin | Released 11 August 2021

Product sales by manufacturers are published on an annual basis in [ProdCom](#) statistical bulletins; estimates are in current prices, unlike the chained volume measures published in the IoP release.

### [Energy Trends: August 2021](#)

Bulletin | Released 26 August 2021

The data published by the Department for Business, Energy and Industrial Strategy (BEIS) in [Energy Trends](#) are used to measure the mining and quarrying, electricity and gas, and manufacture of coke and refined petroleum products sectors within this release.



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# IOP5 Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2016	97.3	94.3	96.6	103.3	99.2	92.6	87.0	98.4	92.6	99.7	99.9
2017	99.1	95.0	98.9	101.2	101.5	93.6	90.0	98.6	97.3	100.8	98.9
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2019	98.8	99.1	98.2	101.1	100.4	99.1	100.5	102.3	94.6	98.6	100.6
2020	90.9	91.6	88.9	97.1	99.1	92.0	87.6	101.5	79.0	91.0	95.8
2020 Q2	80.1	92.2	75.2	91.8	95.2	94.5	73.6	96.5	61.1	76.1	93.8
Q3	92.9	91.6	91.2	99.4	99.9	91.6	90.6	104.5	80.6	93.5	96.3
Q4	94.8	88.1	94.2	98.6	100.5	87.7	92.6	101.7	85.9	98.5	95.1
2021 Q1	94.3	85.3	93.3	101.1	102.7	82.6	91.4	102.1	84.4	98.2	94.1
Q2	94.7	71.1	94.9	103.7	104.0	66.2	93.1	105.4	84.1	99.9	90.6
2020 May	78.9	90.6	74.0	90.9	93.5	92.7	74.0	96.5	58.6	75.4	92.9
Jun	87.2	97.5	83.5	94.7	99.0	98.6	81.6	99.7	71.4	86.6	96.2
Jul	92.1	94.8	89.7	99.5	100.1	94.9	89.5	105.3	77.9	91.8	97.3
Aug	93.0	91.2	91.4	99.7	99.7	91.4	90.0	105.5	80.5	93.5	96.3
Sep	93.5	88.8	92.5	99.1	100.0	88.4	92.3	102.7	83.4	95.3	95.4
Oct	94.2	89.5	93.6	97.6	100.1	89.4	92.9	102.9	84.7	96.8	95.0
Nov	95.0	85.6	94.9	98.8	100.1	84.3	94.2	101.5	86.9	99.5	94.0
Dec	95.0	89.2	94.3	99.5	101.4	89.5	90.8	100.6	86.2	99.3	96.3
2021 Jan	93.5	85.8	92.2	101.1	101.6	84.2	89.5	101.7	82.0	97.6	94.8
Feb	94.0	83.8	93.0	101.6	102.9	80.5	91.9	101.2	84.5	97.9	93.7
Mar	95.4	86.1	94.6	100.6	103.6	83.0	92.9	103.3	86.7	98.9	93.8
Apr	94.6	72.7	94.8	102.1	103.4	67.4	93.6	101.9	86.7	100.1	89.9
May	95.2	74.8	94.9	105.5	103.7	71.2	91.5	108.9	81.7	99.5	92.9
Jun	94.5	65.9	95.1	103.5	104.9	60.0	94.3	105.3	83.9	100.1	88.8
Jul	95.6	80.4	95.1	102.6	105.1	76.8	96.3	105.4	84.3	99.1	93.5
<b>Percentage change, latest year on previous year</b>											
2016	1.1	-2.3	0.3	3.6	6.3	3.8	0.3	0.1	2.2	-2.7	2.6
2017	1.8	0.7	2.3	-2.1	2.3	1.2	3.5	0.2	5.1	1.2	-0.9
2018	0.9	5.3	1.1	-1.2	-1.4	6.8	11.1	1.4	2.8	-0.8	1.1
2019	-1.2	-0.9	-1.8	1.1	0.4	-0.9	0.5	2.3	-5.4	-1.4	0.6
2020	-8.0	-7.6	-9.5	-4.0	-1.3	-7.1	-12.8	-0.7	-16.5	-7.7	-4.7
<b>Percentage change, latest month on same month a year ago</b>											
2019 May	-0.2	0.2	-1.5	7.3	2.1	0.8	3.7	0.5	-4.4	-0.9	4.6
Jun	-1.2	-1.7	-2.4	7.1	0.1	-0.7	-2.9	-0.2	-4.4	-2.2	2.8
Jul	-1.9	-7.9	-1.9	0.7	-0.2	-8.3	0.4	2.9	-4.6	-3.3	-2.1
Aug	-2.6	-6.8	-2.9	-	0.3	-7.7	-0.4	0.7	-5.4	-3.4	-2.3
Sep	-2.2	5.5	-3.7	-0.1	0.7	7.1	-0.8	0.3	-6.5	-3.6	1.3
Oct	-0.8	-2.2	-1.6	5.6	-0.2	-2.4	5.3	1.0	-2.6	-3.1	2.1
Nov	-1.3	-0.4	-2.7	5.9	0.4	-0.7	0.6	-0.4	-4.9	-2.3	2.8
Dec	-1.7	-2.7	-2.6	3.3	0.9	-2.8	-1.1	-1.9	-4.6	-1.5	1.3
2020 Jan	-2.2	-0.5	-3.1	-1.8	2.3	0.5	-4.3	-2.2	-4.0	-2.8	-1.0
Feb	-2.3	-2.8	-3.1	0.6	0.7	-2.1	-4.5	0.5	-4.6	-4.6	0.1
Mar	-8.6	-12.7	-10.5	-0.2	1.0	-13.3	-14.7	-2.6	-17.4	-9.0	-4.0
Apr	-24.4	-8.7	-30.3	-11.4	-6.9	-4.1	-35.8	-8.9	-42.4	-32.9	-7.8
May	-20.6	-9.1	-24.9	-11.5	-8.2	-7.2	-28.7	-3.8	-39.3	-23.4	-8.7
Jun	-11.9	0.2	-14.9	-8.6	-3.2	1.1	-17.1	-1.8	-25.2	-11.9	-4.7
Jul	-6.7	-1.7	-8.8	-1.1	-0.8	-1.6	-11.4	1.9	-18.0	-5.8	-2.0
Aug	-4.7	-7.1	-5.6	0.1	-1.4	-6.5	-9.0	5.1	-14.0	-3.9	-3.0
Sep	-4.8	-16.4	-4.6	-0.1	-0.8	-17.8	-5.9	1.4	-10.5	-2.3	-6.2
Oct	-4.6	-9.7	-4.5	-5.9	0.4	-9.7	-10.3	0.9	-10.7	-1.0	-6.8
Nov	-2.7	-14.0	-1.4	-5.0	0.6	-15.3	-4.1	0.1	-5.6	3.2	-8.1
Dec	-2.3	-7.4	-2.2	-2.2	1.3	-7.7	-7.1	0.9	-6.6	2.1	-4.3
2021 Jan	-4.1	-11.1	-4.8	2.0	0.6	-12.6	-7.9	0.6	-11.6	-0.4	-4.0
Feb	-3.7	-13.0	-4.5	3.4	2.6	-16.5	-4.6	-2.9	-8.3	0.8	-5.0
Mar	3.1	-4.7	4.1	2.5	2.6	-7.8	7.0	-1.7	8.2	7.5	-2.9
Apr	27.4	-17.8	39.4	13.7	10.9	-26.9	43.7	9.0	63.0	51.3	-2.4
May	20.7	-17.5	28.2	16.1	11.0	-23.2	23.7	12.8	39.3	32.0	-
Jun	8.3	-32.4	13.9	9.2	5.9	-39.2	15.6	5.6	17.6	15.6	-7.7
Jul	3.8	-15.3	6.0	3.1	5.1	-19.1	7.6	0.1	8.2	7.9	-3.9

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>												
2019	May	1.2	3.0	1.0	1.3	1.6	3.8	2.3	-2.2	4.6	-0.3	1.8
	Jun	-0.3	-2.4	-0.4	1.0	0.5	-2.3	-5.2	1.2	-1.2	-	-0.8
	Jul	-0.4	-0.9	0.2	-3.0	-1.4	-1.1	2.7	1.9	-0.5	-0.8	-1.6
	Aug	-1.0	1.7	-1.5	-1.0	0.3	1.4	-2.1	-2.9	-1.4	-0.3	-
	Sep	0.6	8.3	-	-0.4	-0.3	10.0	-0.8	1.0	-0.5	0.3	2.4
	Oct	0.6	-6.8	1.1	4.6	-1.1	-8.0	5.5	0.5	1.8	0.3	0.3
	Nov	-1.2	0.5	-1.8	0.3	-0.1	0.6	-5.1	-0.6	-3.0	-1.5	0.3
	Dec	-0.4	-3.2	0.1	-2.2	0.5	-2.7	-0.5	-1.6	0.2	1.0	-1.7
2020	Jan	0.3	0.2	0.6	-2.6	1.0	-0.6	-0.6	1.4	0.5	0.7	-1.8
	Feb	0.2	-0.2	0.5	-0.9	-0.8	0.1	-0.8	3.1	-0.6	-1.0	-0.1
	Mar	-5.2	-6.2	-6.6	-0.1	0.7	-6.6	-10.0	0.9	-13.1	-5.2	-2.1
	Apr	-19.8	-2.2	-25.2	-8.5	-7.7	2.5	-25.0	-11.1	-33.6	-28.0	-4.6
	May	6.3	2.6	8.8	1.2	0.2	0.4	13.6	3.2	10.2	13.8	0.8
	Jun	10.6	7.6	12.8	4.3	5.9	6.3	10.2	3.3	21.7	14.9	3.6
	Jul	5.6	-2.7	7.4	5.0	1.1	-3.8	9.7	5.6	9.1	6.0	1.1
	Aug	1.0	-3.8	1.9	0.3	-0.3	-3.6	0.6	0.2	3.4	1.8	-1.1
	Sep	0.6	-2.6	1.1	-0.7	0.3	-3.3	2.5	-2.6	3.6	1.9	-0.9
	Oct	0.8	0.8	1.2	-1.5	0.1	1.1	0.6	0.1	1.5	1.6	-0.4
	Nov	0.8	-4.4	1.4	1.3	-	-5.6	1.5	-1.4	2.6	2.7	-1.1
	Dec	-	4.2	-0.6	0.7	1.3	6.1	-3.6	-0.8	-0.9	-0.1	2.4
2021	Jan	-1.6	-3.8	-2.1	1.6	0.2	-5.9	-1.5	1.1	-4.9	-1.7	-1.5
	Feb	0.6	-2.3	0.8	0.5	1.3	-4.4	2.7	-0.5	3.1	0.3	-1.2
	Mar	1.5	2.8	1.8	-1.0	0.7	3.1	1.0	2.1	2.5	1.0	0.1
	Apr	-0.9	-15.7	0.2	1.5	-0.1	-18.7	0.8	-1.4	-	1.2	-4.1
	May	0.6	3.0	0.1	3.3	0.3	5.6	-2.2	6.8	-5.8	-0.7	3.3
	Jun	-0.7	-11.9	0.2	-1.9	1.1	-15.8	3.0	-3.3	2.8	0.6	-4.4
	Jul	1.2	21.9	-	-0.9	0.3	28.0	2.2	0.2	0.4	-1.0	5.3
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2019	May	-0.5	1.6	-0.9	-1.0	1.5	1.7	1.0	4.9	-6.4	0.2	0.6
	Jun	-1.3	-2.3	-2.2	4.3	1.3	-2.2	-	1.3	-6.2	-1.1	1.8
	Jul	-1.1	-3.2	-1.9	5.0	0.7	-2.9	0.4	1.0	-4.5	-2.2	1.7
	Aug	-1.9	-5.5	-2.4	2.6	0.1	-5.7	-1.0	1.1	-4.8	-3.0	-0.6
	Sep	-2.2	-3.2	-2.8	0.2	0.3	-3.1	-0.2	1.3	-5.5	-3.5	-1.1
	Oct	-1.8	-1.2	-2.7	1.8	0.2	-1.1	1.4	0.7	-4.9	-3.4	0.4
	Nov	-1.4	1.0	-2.7	3.8	0.3	1.4	1.7	0.3	-4.7	-3.0	2.1
	Dec	-1.2	-1.7	-2.3	4.9	0.3	-1.9	1.6	-0.4	-4.0	-2.3	2.1
2020	Jan	-1.7	-1.2	-2.8	2.4	1.2	-1.0	-1.6	-1.5	-4.5	-2.2	1.0
	Feb	-2.1	-2.0	-2.9	0.7	1.3	-1.5	-3.3	-1.2	-4.4	-3.0	0.1
	Mar	-4.4	-5.4	-5.6	-0.5	1.3	-5.1	-7.9	-1.4	-8.7	-5.5	-1.6
	Apr	-11.7	-8.1	-14.4	-3.8	-1.7	-6.6	-18.3	-3.6	-21.2	-15.4	-3.9
	May	-17.8	-10.2	-21.8	-7.8	-4.7	-8.3	-26.4	-5.1	-32.9	-21.7	-6.8
	Jun	-19.0	-5.9	-23.4	-10.5	-6.1	-3.4	-27.3	-4.9	-35.6	-22.8	-7.1
	Jul	-13.1	-3.6	-16.2	-7.1	-4.0	-2.6	-19.2	-1.2	-27.6	-13.7	-5.1
	Aug	-7.8	-2.9	-9.8	-3.2	-1.8	-2.3	-12.5	1.7	-19.1	-7.2	-3.2
	Sep	-5.4	-8.6	-6.3	-0.4	-1.0	-9.0	-8.8	2.7	-14.2	-4.0	-3.8
	Oct	-4.7	-11.2	-4.9	-2.0	-0.6	-11.5	-8.4	2.4	-11.7	-2.4	-5.4
	Nov	-4.0	-13.5	-3.5	-3.7	0.1	-14.4	-6.8	0.8	-8.9	-	-7.0
	Dec	-3.2	-10.4	-2.7	-4.4	0.8	-10.9	-7.2	0.6	-7.7	1.4	-6.4
2021	Jan	-3.0	-10.9	-2.8	-1.8	0.8	-11.9	-6.3	0.5	-7.9	1.6	-5.5
	Feb	-3.4	-10.5	-3.8	1.0	1.5	-12.2	-6.5	-0.5	-8.8	0.8	-4.4
	Mar	-1.7	-9.7	-1.9	2.6	1.9	-12.4	-2.2	-1.3	-4.5	2.5	-4.0
	Apr	7.4	-11.8	10.2	6.3	5.2	-17.2	12.1	1.2	14.4	16.3	-3.4
	May	16.1	-13.3	22.1	10.5	8.0	-19.4	23.0	6.4	32.9	27.8	-1.7
	Jun	18.3	-22.8	26.3	12.9	9.2	-30.0	26.6	9.1	37.7	31.4	-3.4
	Jul	10.5	-21.9	15.3	9.3	7.2	-27.3	15.1	6.0	20.2	17.7	-3.9

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>2</sup> Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

		Broad industry groups					Main industrial groupings					
		Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	80.9	725.1	102.2	91.8	68.2	67.9	199.0	278.7	231.6	213.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>												
2019	May	-	1.6	-0.6	1.7	1.5	2.0	1.9	0.7	-1.3	-1.1	1.6
	Jun	-1.5	-1.9	-2.5	3.6	1.9	-1.5	-0.2	-3.3	-2.0	-2.8	1.3
	Jul	-0.8	-2.0	-1.5	3.2	1.7	-1.6	-0.3	-2.8	0.3	-2.5	1.0
	Aug	-1.1	-2.7	-1.4	0.5	0.8	-2.7	-2.8	-1.8	-0.7	-1.7	-0.9
	Sep	-0.7	2.4	-0.7	-2.7	-0.5	2.8	-1.8	0.3	-1.0	-1.0	-0.8
	Oct	-0.8	3.4	-1.1	-1.4	-1.1	3.6	-0.9	-0.5	-1.9	-0.6	0.3
	Nov	-0.2	4.5	-0.8	1.0	-1.4	5.0	0.5	-0.2	-1.4	-0.5	2.1
	Dec	-0.3	-1.9	-0.5	3.4	-1.1	-2.1	0.5	-0.7	-0.9	-0.3	1.5
2020	Jan	-0.8	-3.7	-0.8	0.8	-0.3	-3.8	-2.5	-0.5	-1.6	-0.3	-0.4
	Feb	-0.8	-5.2	-0.2	-2.5	0.4	-5.4	-2.9	0.1	-1.0	0.3	-2.6
	Mar	-2.0	-4.0	-1.8	-4.5	1.0	-4.3	-6.4	2.4	-5.1	-1.5	-3.5
	Apr	-9.6	-5.9	-11.5	-6.2	-2.0	-4.8	-15.3	0.2	-18.6	-12.5	-4.7
	May	-16.0	-6.9	-19.9	-6.8	-4.5	-5.0	-22.4	-3.3	-30.8	-20.1	-5.5
	Jun	-16.5	-2.4	-20.9	-6.8	-5.5	0.3	-21.3	-6.7	-30.9	-20.5	-4.3
	Jul	-2.4	2.9	-3.5	-0.4	-0.7	2.7	-1.3	-0.4	-7.8	-0.6	-0.3
	Aug	10.9	5.2	13.6	5.4	3.8	3.6	15.6	5.2	19.7	16.4	2.9
	Sep	16.0	-0.6	21.3	8.3	4.9	-3.1	23.2	8.3	32.0	23.0	2.8
	Oct	8.8	-4.8	12.2	4.0	2.5	-5.9	12.3	3.2	19.6	12.6	0.1
	Nov	3.8	-6.9	6.1	0.5	0.5	-8.0	7.0	-1.1	11.0	7.2	-1.9
	Dec	2.0	-3.8	3.3	-0.8	0.6	-4.2	2.2	-2.7	6.6	5.3	-1.3
2021	Jan	1.0	-3.3	1.4	1.0	1.1	-4.1	-0.2	-2.3	2.6	3.8	-0.6
	Feb	-0.1	-1.9	-0.5	2.3	1.9	-3.0	-2.6	-1.1	-0.9	1.1	0.1
	Mar	-0.5	-3.2	-1.0	2.5	2.1	-5.9	-1.3	0.4	-1.8	-0.4	-1.0
	Apr	0.2	-6.9	0.4	1.6	2.2	-10.5	1.4	0.9	1.1	0.2	-2.7
	May	0.9	-9.7	1.7	1.9	1.6	-12.8	2.1	3.5	0.9	1.3	-2.9
	Jun	0.5	-16.6	1.8	2.5	1.3	-19.8	1.9	3.2	-0.4	1.8	-3.8
	Jul	0.4	-8.9	0.9	2.4	1.2	-9.9	1.3	4.3	-3.1	0.6	-0.8

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>2</sup> Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	113.5	26.0	47.2	10.9	42.9	48.6
	K22B	K22P	K22T	K22X	K22Z	K239
2016	96.4	102.2	100.3	103.2	96.6	99.3
2017	98.2	101.8	101.1	104.3	98.7	97.9
2018	100.0	100.0	100.0	100.0	100.0	100.0
2019	101.6	99.7	100.9	103.0	98.7	106.5
2020	96.4	89.2	90.4	83.3	102.0	121.0
2020 Q2	90.8	60.8	75.5	72.8	96.5	127.7
Q3	98.2	101.5	92.7	77.3	101.6	124.3
Q4	96.4	104.6	95.4	82.7	109.0	115.8
2021 Q1	94.5	102.4	94.3	76.2	108.2	122.4
Q2	100.6	103.6	98.9	87.0	108.5	117.9
2020 May	90.6	59.4	73.4	71.2	97.8	127.9
Jun	93.4	84.2	84.3	72.6	96.1	126.4
Jul	98.4	98.7	92.5	75.1	99.7	129.7
Aug	98.7	104.0	91.7	74.8	103.1	125.7
Sep	97.7	102.0	93.8	82.1	102.0	117.4
Oct	97.6	104.0	94.5	82.9	104.8	117.7
Nov	96.7	103.9	96.0	82.4	108.5	114.8
Dec	94.9	106.0	95.8	82.9	113.8	115.0
2021 Jan	94.2	102.6	93.9	77.5	110.1	122.1
Feb	94.3	99.5	93.9	74.0	107.1	121.4
Mar	95.2	105.1	95.2	77.0	107.3	123.5
Apr	99.7	103.0	98.1	79.9	109.9	105.9
May	100.8	104.2	99.0	87.4	108.1	132.1
Jun	101.3	103.5	99.8	93.6	107.5	115.8
Jul	100.9	101.6	102.5	92.8	105.6	117.7
<b>Percentage change, latest year on previous year</b>						
2016	0.2	-2.2	-1.2	-1.0	-6.2	2.9
2017	1.9	-0.4	0.8	1.1	2.1	-1.4
2018	1.8	-1.8	-1.1	-4.1	1.4	2.1
2019	1.6	-0.3	0.9	3.0	-1.3	6.5
2020	-5.1	-10.5	-10.4	-19.1	3.4	13.6
<b>Percentage change, latest month on same month a year ago</b>						
2019 May	1.0	-2.9	-1.7	11.2	-	3.7
Jun	-1.5	-2.8	-0.3	-3.6	-1.1	6.1
Jul	-1.1	-1.4	-3.2	1.7	-6.6	20.4
Aug	0.4	-3.4	2.6	-7.7	-2.1	1.5
Sep	1.6	-0.4	0.2	-15.4	-5.6	-2.4
Oct	1.2	3.3	2.3	0.9	-4.2	-
Nov	0.3	-0.1	-1.9	-0.1	-11.2	-0.4
Dec	-1.1	-4.0	-1.4	5.1	-6.0	-5.1
2020 Jan	-2.7	-6.2	0.1	-5.5	-3.9	-3.8
Feb	-2.0	-2.5	-4.1	-5.7	-6.9	5.5
Mar	-4.7	-21.5	-9.8	-9.1	-0.8	6.7
Apr	-13.3	-61.3	-33.2	-29.6	-1.5	21.0
May	-10.5	-39.5	-25.9	-34.1	-1.2	26.0
Jun	-6.0	-14.4	-15.5	-25.6	-2.9	16.2
Jul	-1.8	-1.7	-6.2	-25.7	5.2	12.2
Aug	-2.6	5.4	-9.0	-23.4	8.4	24.8
Sep	-4.4	-0.4	-6.7	-8.2	5.1	18.1
Oct	-4.4	1.0	-7.5	-20.0	7.1	14.8
Nov	-4.1	4.6	-4.4	-19.4	18.5	9.6
Dec	-4.9	10.7	-2.9	-22.4	16.3	15.2
2021 Jan	-5.7	10.3	-7.1	-24.0	8.8	15.9
Feb	-6.6	2.9	-4.6	-28.2	9.3	5.0
Mar	-4.6	32.0	0.7	-20.2	3.5	-2.9
Apr	12.9	164.9	42.6	7.4	15.1	-17.8
May	11.3	75.6	34.9	22.7	10.5	3.3
Jun	8.4	22.9	18.4	29.0	11.9	-8.4
Jul	2.6	2.9	10.7	23.6	6.0	-9.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	51.4	75.4	51.2	18.1	60.7	110.5	68.7
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2016	102.5	99.8	83.9	102.3	91.6	97.6	92.9
2017	101.7	100.4	87.8	105.3	97.7	100.7	98.7
2018	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2019	97.1	97.7	99.5	98.8	92.5	93.8	96.0
2020	89.2	87.9	89.9	89.4	74.3	71.4	86.7
2020 Q2	69.0	74.5	81.7	74.4	58.4	42.6	72.5
Q3	94.8	88.0	91.6	92.2	75.3	73.8	89.2
Q4	98.7	93.4	93.4	96.3	81.6	82.6	90.7
2021 Q1	99.4	91.0	92.7	100.9	83.8	76.2	92.2
Q2	102.1	94.6	93.7	101.2	90.2	68.7	96.7
2020 May	68.9	73.7	81.8	74.8	57.7	36.5	72.9
Jun	86.1	83.2	87.2	82.1	69.8	57.7	79.4
Jul	92.4	85.8	90.8	88.2	74.5	68.2	87.8
Aug	95.3	87.4	90.6	94.0	75.1	73.1	91.0
Sep	96.8	90.9	93.4	94.4	76.3	80.0	88.9
Oct	97.6	92.3	93.5	95.7	79.2	81.1	90.4
Nov	99.7	94.8	94.7	99.3	81.9	83.8	91.6
Dec	98.9	93.2	92.0	93.9	83.6	82.7	90.0
2021 Jan	97.2	91.0	89.6	98.8	80.7	74.5	90.9
Feb	98.5	90.1	93.2	102.9	81.8	77.5	92.6
Mar	102.4	92.0	95.3	101.1	89.0	76.6	93.0
Apr	104.2	93.3	95.7	102.2	89.2	75.0	95.3
May	101.6	94.2	91.5	101.3	90.4	63.2	96.9
Jun	100.7	96.3	93.8	100.1	91.0	67.9	97.8
Jul	100.4	94.0	94.2	97.8	87.1	71.8	97.4
<b>Percentage change, latest year on previous year</b>							
2016	2.3	-3.2	-0.9	-4.3	-0.8	4.3	4.7
2017	-0.8	0.6	4.6	2.9	6.7	3.2	6.3
2018	-1.7	-0.4	13.9	-5.1	2.3	-0.7	1.3
2019	-2.9	-2.3	-0.5	-1.2	-7.5	-6.2	-4.0
2020	-8.1	-10.0	-9.6	-9.5	-19.7	-24.0	-9.7
<b>Percentage change, latest month on same month a year ago</b>							
2019 May	-3.0	-0.4	2.8	0.4	-5.6	-7.3	-2.5
Jun	-5.4	-4.1	-3.7	3.7	-5.9	-1.5	-6.6
Jul	-4.6	-3.1	-0.5	1.3	-7.7	-3.7	-5.5
Aug	-5.2	-5.0	-3.4	-3.1	-7.4	-4.3	-3.7
Sep	-5.4	-3.6	-2.3	-2.0	-8.2	-6.7	-5.6
Oct	-5.1	-3.6	5.8	-6.1	-7.3	-2.1	-4.1
Nov	-4.9	3.9	-	-5.5	-7.9	-5.5	-3.2
Dec	-1.6	3.6	-2.0	-0.5	-8.9	-4.6	-1.7
2020 Jan	-1.8	-1.6	-4.9	-2.5	-10.7	-1.8	0.1
Feb	-2.2	-2.8	-5.9	-4.1	-10.6	-3.3	0.4
Mar	-11.8	-8.2	-13.1	-8.5	-21.9	-24.1	-7.0
Apr	-46.8	-31.3	-24.3	-34.5	-49.6	-60.6	-34.0
May	-28.6	-24.7	-20.7	-25.3	-38.4	-61.8	-25.2
Jun	-11.2	-13.8	-10.5	-18.7	-25.4	-40.5	-16.5
Jul	-4.5	-12.1	-9.2	-12.0	-18.8	-29.0	-6.6
Aug	-0.3	-9.3	-6.1	-3.6	-17.8	-23.0	-3.6
Sep	1.1	-6.2	-3.0	-3.3	-15.1	-14.0	-7.6
Oct	2.1	-3.9	-9.9	-0.2	-12.0	-14.0	-5.0
Nov	4.8	-1.7	-2.2	4.5	-8.5	-7.4	-4.8
Dec	2.1	-5.1	-4.8	-4.2	-5.5	-10.0	-5.2
2021 Jan	-0.3	-6.9	-7.2	2.6	-5.8	-20.6	-4.7
Feb	1.4	-7.9	-1.7	8.0	-4.4	-16.4	-4.1
Mar	16.8	1.0	8.5	9.2	19.5	4.9	2.4
Apr	100.6	40.1	26.0	54.0	87.3	123.8	45.9
May	47.4	27.8	11.9	35.4	56.8	73.0	33.0
Jun	16.9	15.8	7.5	21.9	30.4	17.5	23.3
Jul	8.7	9.6	3.8	10.9	17.0	5.3	10.9

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE	CF	
Latest weight	113.5	26.0	47.2	10.9	42.9	48.6	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest month on previous month</b>							
2019	May	-0.7	-2.5	-3.9	2.2	2.1	-4.8
	Jun	-1.7	0.3	0.8	-9.7	-	7.3
	Jul	0.7	2.0	-1.2	3.6	-4.3	6.3
	Aug	1.1	-1.7	2.2	-3.4	0.4	-12.9
	Sep	0.9	3.8	-0.2	-8.5	1.9	-1.3
	Oct	-0.1	0.6	1.5	16.0	0.8	3.1
	Nov	-1.3	-3.5	-1.6	-1.4	-6.4	2.1
	Dec	-1.1	-3.6	-1.7	4.5	6.9	-4.6
2020	Jan	0.1	-2.8	2.4	-4.6	3.5	5.5
	Feb	1.1	3.9	-2.7	1.2	-3.3	9.8
	Mar	-1.2	-17.6	-3.9	-6.4	5.8	10.0
	Apr	-11.5	-51.2	-27.2	-22.9	-7.9	1.3
	May	2.6	52.7	6.7	-4.3	2.4	-0.7
	Jun	3.2	41.8	14.8	1.9	-1.8	-1.1
	Jul	5.3	17.2	9.8	3.5	3.7	2.6
	Aug	0.3	5.4	-0.9	-0.4	3.5	-3.1
	Sep	-0.9	-1.9	2.3	9.7	-1.1	-6.6
	Oct	-0.1	1.9	0.7	1.0	2.7	0.2
	Nov	-0.9	-0.1	1.6	-0.6	3.6	-2.5
	Dec	-1.9	2.0	-0.2	0.6	4.9	0.3
2021	Jan	-0.7	-3.2	-2.0	-6.5	-3.2	6.2
	Feb	0.1	-3.0	-	-4.5	-2.8	-0.6
	Mar	1.0	5.7	1.4	4.1	0.2	1.7
	Apr	4.7	-1.9	3.0	3.8	2.4	-14.3
	May	1.1	1.2	1.0	9.4	-1.7	24.7
	Jun	0.4	-0.7	0.8	7.1	-0.5	-12.4
	Jul	-0.3	-1.9	2.7	-0.8	-1.8	1.7
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2019	May	3.4	1.5	3.0	9.1	2.3	12.0
	Jun	0.8	-1.2	0.9	4.7	-0.7	6.0
	Jul	-0.5	-2.4	-1.7	3.0	-2.6	9.9
	Aug	-0.7	-2.5	-0.3	-3.3	-3.3	9.2
	Sep	0.3	-1.8	-0.2	-7.3	-4.8	6.3
	Oct	1.1	-0.2	1.7	-7.5	-4.0	-0.3
	Nov	1.0	0.9	0.2	-5.0	-7.0	-0.9
	Dec	0.1	-0.3	-0.3	1.9	-7.1	-1.8
2020	Jan	-1.2	-3.4	-1.1	-0.3	-7.0	-3.1
	Feb	-1.9	-4.2	-1.8	-2.2	-5.6	-1.1
	Mar	-3.1	-10.1	-4.7	-6.8	-3.9	2.9
	Apr	-6.6	-28.6	-15.7	-14.7	-3.1	10.8
	May	-9.5	-40.7	-22.8	-24.3	-1.1	17.3
	Jun	-10.0	-38.6	-24.9	-29.9	-1.9	20.9
	Jul	-6.1	-18.4	-15.9	-28.6	0.3	17.8
	Aug	-3.5	-3.6	-10.2	-24.9	3.4	17.4
	Sep	-3.0	1.1	-7.3	-19.5	6.2	18.1
	Oct	-3.8	1.9	-7.7	-17.5	6.9	19.2
	Nov	-4.3	1.7	-6.2	-16.2	10.1	14.1
	Dec	-4.5	5.3	-5.0	-20.6	13.9	13.2
2021	Jan	-4.9	8.5	-4.8	-21.9	14.4	13.6
	Feb	-5.8	7.9	-4.9	-24.8	11.4	11.7
	Mar	-5.6	14.0	-3.8	-24.2	7.2	5.4
	Apr	0.1	42.9	9.7	-15.7	9.2	-5.6
	May	6.1	75.6	23.5	0.9	9.5	-5.8
	Jun	10.8	70.3	31.1	19.6	12.5	-7.7
	Jul	7.3	27.7	20.4	25.1	9.4	-4.8

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	51.4	75.4	51.2	18.1	60.7	110.5	68.7	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest month on previous month</b>								
2019	May	-1.1	1.0	2.8	-1.0	-0.9	12.5	-1.6
	Jun	0.4	-1.4	-5.5	0.9	-0.1	1.5	-2.5
	Jul	-0.2	1.1	2.6	-0.8	-2.0	-1.0	-1.0
	Aug	-1.2	-1.3	-3.6	-2.7	-0.3	-1.2	0.3
	Sep	0.2	0.5	-0.1	-	-1.5	-2.0	2.0
	Oct	-0.1	-0.8	7.7	-1.8	0.1	1.4	-1.0
	Nov	-0.5	0.4	-6.7	-0.9	-0.6	-4.1	1.1
	Dec	1.8	1.9	-0.2	3.1	-1.1	1.6	-1.3
2020	Jan	0.6	-0.6	-0.1	-1.8	-3.2	2.1	0.4
	Feb	-0.2	0.2	-1.7	-1.0	-0.1	-1.2	1.3
	Mar	-9.8	-7.0	-7.4	-2.8	-13.0	-21.2	-6.0
	Apr	-40.8	-26.9	-13.5	-28.4	-36.0	-54.1	-28.1
	May	32.7	10.7	7.6	12.8	21.1	9.0	11.6
	Jun	25.0	12.9	6.7	9.7	21.0	58.1	8.9
	Jul	7.3	3.1	4.1	7.4	6.7	18.2	10.6
	Aug	3.2	1.9	-0.2	6.6	0.8	7.2	3.6
	Sep	1.6	4.0	3.1	0.4	1.7	9.4	-2.3
	Oct	0.8	1.6	0.1	1.4	3.7	1.4	1.7
	Nov	2.2	2.6	1.3	3.8	3.4	3.4	1.2
	Dec	-0.8	-1.6	-2.9	-5.4	2.1	-1.3	-1.7
2021	Jan	-1.8	-2.5	-2.6	5.1	-3.5	-9.9	1.0
	Feb	1.4	-0.9	4.1	4.2	1.4	4.0	1.9
	Mar	3.9	2.0	2.2	-1.8	8.8	-1.2	0.4
	Apr	1.8	1.5	0.5	1.1	0.2	-2.1	2.4
	May	-2.5	1.0	-4.4	-0.9	1.4	-15.8	1.7
	Jun	-0.9	2.2	2.5	-1.2	0.6	7.4	0.9
	Jul	-0.3	-2.4	0.5	-2.3	-4.3	5.9	-0.5
<b>Percentage change, latest 3 months on same 3 months a year ago</b>								
2019	May	-1.0	-2.8	-0.2	1.9	-7.1	-10.0	-2.6
	Jun	-3.1	-2.9	-1.1	2.1	-6.4	-9.0	-3.4
	Jul	-4.4	-2.5	-0.5	1.8	-6.4	-4.2	-4.9
	Aug	-5.1	-4.0	-2.5	0.6	-7.0	-3.2	-5.3
	Sep	-5.1	-3.9	-2.1	-1.3	-7.7	-4.9	-4.9
	Oct	-5.2	-4.1	-	-3.8	-7.6	-4.4	-4.5
	Nov	-5.1	-1.2	1.2	-4.6	-7.8	-4.8	-4.3
	Dec	-3.9	1.2	1.3	-4.1	-8.0	-4.0	-3.0
2020	Jan	-2.8	1.9	-2.3	-2.8	-9.2	-4.0	-1.6
	Feb	-1.9	-0.3	-4.2	-2.4	-10.1	-3.2	-0.4
	Mar	-5.3	-4.2	-7.9	-5.1	-14.4	-9.8	-2.2
	Apr	-20.1	-13.9	-14.4	-15.8	-27.3	-28.1	-13.7
	May	-29.0	-21.3	-19.4	-22.8	-36.6	-48.3	-22.1
	Jun	-28.9	-23.3	-18.6	-26.2	-37.8	-54.0	-25.4
	Jul	-14.8	-16.9	-13.6	-18.7	-27.6	-43.7	-16.2
	Aug	-5.3	-11.7	-8.6	-11.5	-20.7	-30.9	-8.9
	Sep	-1.2	-9.2	-6.1	-6.3	-17.3	-22.1	-5.9
	Oct	1.0	-6.4	-6.4	-2.3	-15.0	-17.0	-5.4
	Nov	2.7	-3.9	-5.2	0.3	-11.9	-11.8	-5.8
	Dec	3.0	-3.6	-5.7	-	-8.7	-10.5	-5.0
2021	Jan	2.2	-4.6	-4.7	1.0	-6.6	-12.7	-4.9
	Feb	1.1	-6.6	-4.6	2.1	-5.2	-15.7	-4.7
	Mar	5.6	-4.8	-0.4	6.6	2.4	-11.9	-2.2
	Apr	28.8	7.8	9.9	20.4	25.2	15.0	11.1
	May	47.8	20.8	15.0	30.3	49.4	50.1	24.5
	Jun	48.0	27.0	14.7	36.0	54.6	61.3	33.3
	Jul	22.3	17.3	7.6	22.0	33.0	24.9	21.7

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations	
	CA	CB	CC	CD	CE	CF	
Latest weight	113.5	26.0	47.2	10.9	42.9	48.6	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest 3 months on previous 3 months</b>							
2019	May	0.4	0.7	1.0	0.4	-4.6	0.9
	Jun	-2.5	-0.9	-2.2	-3.7	-6.4	-6.4
	Jul	-2.8	-1.4	-4.2	-4.5	-4.5	-2.8
	Aug	-2.2	-0.9	-2.4	-7.4	-3.8	-0.6
	Sep	0.4	1.4	-0.6	-7.5	-2.7	-0.3
	Oct	1.6	2.4	2.1	-5.2	-0.9	-7.2
	Nov	1.5	2.4	1.3	-0.4	-0.9	-5.7
	Dec	-0.3	-1.1	0.4	8.5	0.1	-2.8
2020	Jan	-1.7	-5.2	-1.1	6.9	0.2	2.4
	Feb	-1.5	-6.3	-1.6	5.6	3.7	4.7
	Mar	-0.7	-9.6	-2.4	-3.6	5.4	13.5
	Apr	-3.9	-25.3	-12.9	-11.8	2.2	20.0
	May	-7.3	-37.7	-20.6	-22.3	-	19.6
	Jun	-9.4	-32.2	-23.0	-27.6	-4.4	10.0
	Jul	-2.3	12.6	-4.4	-20.1	-1.2	3.3
	Aug	4.2	61.2	13.5	-8.1	0.6	-0.5
	Sep	8.2	66.9	22.8	6.3	5.3	-2.7
	Oct	4.1	27.9	11.9	9.5	5.6	-6.0
	Nov	0.6	8.0	5.9	11.2	5.5	-8.4
	Dec	-1.9	3.0	2.9	7.0	7.3	-6.8
2021	Jan	-2.8	0.8	2.0	1.2	7.3	-2.5
	Feb	-3.0	-0.6	-0.3	-5.2	5.0	2.5
	Mar	-1.9	-2.1	-1.2	-7.9	-0.8	5.6
	Apr	1.2	-1.6	0.5	-4.9	-2.5	-0.3
	May	4.4	1.4	3.1	4.3	-1.7	0.8
	Jun	6.4	1.2	4.9	14.2	0.3	-3.6
	Jul	4.8	0.6	4.9	18.6	-1.0	4.2

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2018 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	51.4	75.4	51.2	18.1	60.7	110.5	68.7
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest 3 months on previous 3 months

2019	May	-1.2	-0.3	1.3	2.1	-1.9	-3.7	2.1	
	Jun	-2.3	-2.6	-0.7	1.1	-1.9	-3.4	0.8	
	Jul	-2.1	-1.6	-0.5	-0.1	-2.4	4.2	-2.2	
	Aug	-1.4	-1.2	-3.5	-1.3	-2.5	4.0	-3.6	
	Sep	-1.0	-0.2	-2.7	-2.3	-3.1	2.2	-2.4	
	Oct	-1.2	-1.0	-1.4	-3.5	-2.7	-2.3	-0.3	
	Nov	-1.0	-0.4	1.0	-3.5	-2.6	-3.5	1.5	
	Dec	-0.1	-	1.5	-2.2	-1.8	-2.5	0.6	
	2020	Jan	0.9	1.1	-2.2	-0.6	-2.8	-2.1	0.3
		Feb	1.8	1.6	-3.0	0.4	-3.6	0.2	-0.2
		Mar	-1.9	-1.4	-6.1	-1.7	-8.3	-6.2	-1.3
		Apr	-18.2	-12.6	-10.8	-12.1	-21.2	-27.9	-11.8
May		-28.5	-21.3	-14.7	-19.3	-30.8	-48.6	-20.2	
Jun		-26.7	-22.1	-12.2	-21.4	-28.8	-50.8	-23.1	
Jul		4.5	-5.1	0.4	-3.6	-2.8	-18.5	-5.0	
Aug		31.4	10.8	9.4	13.1	22.0	39.1	12.7	
Sep		37.5	18.2	12.2	23.9	29.0	73.3	23.0	
Oct		17.1	11.5	6.8	15.9	14.2	44.2	12.6	
Nov		7.4	8.4	4.8	9.5	8.3	23.1	4.9	
Dec		4.1	6.1	2.0	4.5	8.4	11.9	1.6	
2021	Jan	2.1	3.1	-0.4	2.8	6.8	2.9	0.8	
	Feb	0.2	-1.3	-2.4	2.1	3.7	-4.2	1.0	
	Mar	0.6	-2.6	-0.7	4.8	2.8	-7.7	1.7	
	Apr	3.1	-1.3	2.9	4.8	5.6	-5.0	3.1	
	May	4.5	1.9	2.8	3.0	9.1	-8.5	4.3	
	Jun	2.8	4.0	1.1	0.3	7.6	-9.8	4.9	
	Jul	-0.8	3.3	-1.6	-2.3	3.3	-11.4	4.0	

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**Next publication:** 13 October 2021  
**Issued by:** Office for National Statistics, Government Buildings, Cardiff Road, Newport NP10 8XG

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