

Statistical bulletin

Index of Production, UK: August 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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1 . Main points

- Monthly production rose by 0.8% between July 2021 and August 2021, meaning output was 1.3% below its February 2020 level, the last month of "normal" trading conditions prior to the coronavirus (COVID-19) pandemic.
- The monthly rise in production was led by an increase of 16.0% in the mining and quarrying sector; this was offset partially by decreases of 2.8% in the electricity and gas sector and 0.8% in the water supply and sewerage sector.
- The 0.5% rise in manufacturing was driven by an increase in 9 of the 13 manufacturing subsectors and was led by a rise of 3.9% in the manufacture of transport equipment, although output in this subsector remains 24.2% below its February 2020 level; this was offset by a fall of 5.1% in the manufacture of basic pharmaceutical products and pharmaceutical preparations.
- Production output for the three months to August 2021 increased by 0.3%, compared with the three months to May 2021.
- Manufacturing output remains 2.4% below its February 2020 level and mining and quarrying is 5.8% below, while electricity and gas is now 2.9% above its February 2020 level and water supply and sewerage is 5.3% above; for further and detailed analysis of how the Index of Production has changed since February 2020 please see our article [Coronavirus and the impact on output in the UK economy: August 2021](#), published 13 October 2021.

2 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 13 October 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 13 October 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 13 October 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 13 October 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 13 October 2021

Monthly, quarterly 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 in [our previous Index of production bulletins](#).

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 Index of Production 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 for the first time. This improvement was reflected in the September quarterly national accounts. Our articles [Impact of double deflation on industry chain volume measure annual estimates](#) and [Impact of Blue Book 2021 changes on quarterly volume estimates of gross domestic product by industry](#) provide information and indicative impacts of this change to industry level gross value added volume.

Coronavirus (COVID-19)

The Office for National Statistics' (ONS') Monthly Business Survey (MBS) is fully online, meaning that business owners can log on from any location and submit their data at an appropriate time. Most other data in the IoP come from the BEIS and therefore will be less affected 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 coronavirus 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](#). If you have specific queries, please [email the Media Relations Office](#).

Consultation on the Code of Practice for Statistics – proposed change to 9: 30am release practice

On behalf of the UK Statistics Authority, the Office for Statistics Regulation (OSR) is conducting a [consultation on the Code of Practice for Statistics, proposing changes to the 9.30am release practice](#). Please send comments by 21 December 2021 to: regulation@statistics.gov.uk

4 . Related links

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

Article | Released 13 October 2021

Analysis of monthly growth for the production, services and construction industries in the UK economy between July 2021 and August 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).

[Comparing ONS's economic data with IHS Markit and CIPS Purchasing Managers' Index surveys](#)

Article | Released 21 October 2019

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

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

Bulletin | Released 13 October 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: August 2021](#)

Bulletin | Released 15 September 2021

Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

[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.

IOP5 Output of the production industries

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MIG-NRG
Latest weight	1 000.0	78.4 [†]	724.6 [†]	109.7 [†]	87.4 [†]	65.8 [†]	66.6 [†]	193.8 [†]	269.3 [†]	243.0 [†]	220.1 [†]
2016	K222, 93.2 [†]	K224, 103.1 [†]	K22A, 92.1 [†]	K248, 91.6 [†]	K24C, 99.2 [†]	K226, 101.1 [†]	K24Q, 88.6 [†]	K24R, 91.8 [†]	K24S, 91.3 [†]	K24O, 93.3 [†]	K24T, 96.4 [†]
2017	93.3	94.0	93.3	86.9	100.0 [†]	93.6	92.1	89.3	97.6	91.9	91.6
2018	96.6	98.7	97.0	88.6	100.5	99.0	97.7	96.0	101.6	93.9	93.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	91.8	80.5	91.2	97.9	98.2	78.6	86.2	100.0	84.0	93.4	92.3
2020 Q2	80.1	80.6 [†]	76.6 [†]	91.5 [†]	94.4 [†]	80.7 [†]	71.9 [†]	94.9 [†]	64.2 [†]	78.1 [†]	89.2 [†]
Q3	93.8 [†]	80.8	93.5	100.5	98.9	78.2	88.7	102.8	85.7	96.3	93.0
Q4	96.1	77.5	97.2	99.1	99.8	75.1	91.0	100.6	91.8	101.4	91.7
2021 Q1	95.7	73.5	96.2	102.4	102.7	70.6	90.4	100.5	90.2	100.6	91.6
Q2	96.6	61.8	97.9	106.9	103.6	56.6	91.1	103.3	89.7	103.4	90.2
2020 Jun	87.5 [†]	85.6 [†]	85.3 [†]	94.7	98.2 [†]	84.2 [†]	77.9 [†]	98.1 [†]	75.1 [†]	89.3 [†]	91.9 [†]
Jul	92.6	83.4	91.7	100.3 [†]	99.1	81.0	86.8	103.6	82.0	94.4	93.8
Aug	94.0	80.4	93.9	100.6	98.7	78.1	89.5	103.5	86.2	96.4	93.0
Sep	94.7	78.5	95.0	100.7	99.0	75.5	89.8	101.1	88.8	98.2	92.2
Oct	95.5	79.0	96.4	98.0	99.5	76.4	92.0	101.4	90.8	99.8	91.3
Nov	96.5	75.7	98.1	98.3	99.5	72.3	94.5	100.5	93.2	102.4	90.5
Dec	96.3	77.9	97.0	101.0	100.4	76.6	86.5	100.0	91.3	102.0	93.3
2021 Jan	94.9	75.1	95.2	102.5	101.1	72.1	90.0	100.0	88.1	99.9	92.2
Feb	95.5	72.0	96.1	102.8	102.7	68.8	91.3	99.8	90.8	100.1	91.3
Mar	96.6	73.5	97.4	102.0	104.4	70.9	89.8	101.8	91.6	101.8	91.4
Apr	96.2	62.4	97.9	103.4	103.3	57.5	88.3	100.7	92.0	103.7	88.3
May	97.1	64.4	98.0	109.6	103.1	60.7	91.0	106.4	88.0	102.9	92.9
Jun	96.5	58.6	97.9	107.7	104.3	51.6	93.9	102.9	89.1	103.5	89.5
Jul	96.7	69.0	97.3	105.6	105.4	63.7	94.4	104.1	88.0	101.7	91.9
Aug	97.5	80.0	97.8	102.6	104.5	76.6	93.7	104.0	90.0	101.1	94.6
Percentage change, latest year on previous year											
2016	0.2 [†]	10.1 [†]	-0.7 [†]	-1.1 [†]	3.1 [†]	24.5 [†]	6.4 [†]	2.4 [†]	-1.7 [†]	-4.8 [†]	6.8 [†]
2017	0.1	-8.8	1.4	-5.2	0.9	-7.4	3.9	-2.7	6.9	-1.5	-5.0
2018	3.5	5.0	3.9	2.0	0.5	5.7	6.1	7.5	4.1	2.2	1.8
2019	3.6	1.3	3.1	12.9	-0.5	1.0	2.4	4.1	-1.6	6.4	7.3
2020	-8.3	-19.5	-8.8	-2.1	-1.8	-21.4	-13.8	-	-16.0	-6.6	-7.7
Percentage change, latest month on same month a year ago											
2019 Jun	2.3 [†]	-13.4 [†]	2.0 [†]	20.5 [†]	-0.7 [†]	-15.5 [†]	0.5 [†]	0.9 [†]	-1.3 [†]	6.0 [†]	4.8 [†]
Jul	2.6	-8.7	2.7	14.0	-1.1	-10.5	1.3	3.3	-1.5	5.0	4.4
Aug	0.5	-22.0	1.8	10.9	-0.5	-26.2	1.2	1.1	-2.1	5.4	-2.9
Sep	0.8	-24.1	2.2	13.9	-1.4	-28.8	5.9	1.4	-0.4	5.8	-3.7
Oct	0.5	-36.5	3.9	15.4	-1.5	-42.6	6.9	1.7	1.8	6.6	-9.3
Nov	-0.8	-36.8	1.7	17.7	-0.3	-42.9	5.5	-0.3	-1.5	6.1	-8.4
Dec	-1.3	-37.9	1.6	14.7	-0.6	-43.4	1.8	-2.2	-1.2	6.4	-9.1
2020 Jan	-2.1	-32.4	0.3	6.0	1.2	-37.5	-1.8	-1.8	-1.0	2.7	-9.9
Feb	-2.2	-29.5	-0.3	7.3	-0.2	-34.0	-4.0	1.3	-2.0	-1.1	-7.2
Mar	-8.7	-32.2	-8.9	6.2	-0.1	-36.4	-14.6	-1.8	-16.6	-6.2	-8.6
Apr	-25.3	-24.8	-30.0	-9.1	-8.1	-23.4	-36.9	-8.7	-43.0	-31.1	-12.0
May	-21.4	-20.2	-24.7	-11.4	-8.3	-20.2	-26.5	-3.4	-38.8	-23.0	-12.9
Jun	-12.1	-5.0	-14.7	-7.4	-3.2	-4.8	-22.3	-0.8	-25.9	-10.4	-5.2
Jul	-7.2	-11.1	-8.6	-0.2	-1.4	-12.5	-12.1	2.8	-18.1	-5.4	-4.5
Aug	-5.0	-13.8	-5.5	2.2	-1.9	-14.7	-10.5	5.2	-13.8	-3.6	-3.9
Sep	-5.0	-18.2	-4.7	-0.3	-0.9	-20.2	-9.8	1.9	-10.8	-2.5	-6.5
Oct	-4.7	-11.4	-4.3	-6.5	0.4	-11.5	-9.3	1.8	-9.9	-1.2	-7.2
Nov	-2.8	-13.9	-1.4	-7.2	0.3	-14.9	-6.0	1.5	-5.9	2.0	-8.8
Dec	-2.6	-8.1	-2.5	-2.8	1.4	-7.3	-12.0	2.2	-7.0	0.7	-4.8
2021 Jan	-3.9	-11.7	-4.6	1.1	0.8	-12.3	-5.7	1.0	-11.0	-0.6	-4.1
Feb	-3.4	-15.3	-4.1	3.1	3.5	-16.4	-4.9	-2.9	-8.0	1.3	-4.6
Mar	3.4	-7.8	4.5	2.1	4.6	-7.7	2.6	-1.7	7.9	8.0	-3.0
Apr	29.9	-18.8	41.7	14.6	11.8	-27.0	41.7	9.9	66.4	51.7	0.2
May	23.3	-18.7	30.0	22.4	11.2	-23.3	20.5	12.0	41.4	34.3	6.1
Jun	10.3	-31.5	14.8	13.7	6.2	-38.7	20.6	4.9	18.7	15.9	-2.6
Jul	4.4	-17.3	6.1	5.3	6.4	-21.3	8.8	0.4	7.2	7.8	-2.1
Aug	3.7	-0.5	4.1	2.0	5.8	-1.9	4.6	0.4	4.5	4.9	1.6

¹ 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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 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	MG-CND	MG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	78.4 [†]	724.6 [†]	109.7 [†]	87.4 [†]	65.8 [†]	66.6 [†]	193.8 [†]	269.3 [†]	243.0 [†]	220.1 [†]
Percentage change, latest month on previous month											
2019 Jun	-0.7 [†]	-9.2 [†]	-0.1 [†]	1.1 [†]	0.3 [†]	-10.8 [†]	-2.4 [†]	0.6 [†]	-0.3 [†]	0.2 [†]	-3.5 [†]
Jul	0.3	4.1	0.4	-1.7	-1.0	4.7	-1.5	2.0	-1.1	0.2	1.3
Aug	-0.9	-0.5	-0.9	-2.0	0.1	-1.1	1.3	-2.4	-0.2	0.1	-1.5
Sep	0.6	2.9	0.3	2.6	-0.8	3.4	-0.5	0.8	-0.4	0.7	1.9
Oct	0.5	-7.1	1.0	3.8	-0.6	-8.9	2.0	0.4	1.3	0.3	-0.3
Nov	-0.9	-1.4	-1.2	1.1	-	-1.5	-1.0	-0.6	-1.8	-0.6	0.8
Dec	-0.4	-3.5	0.1	-2.0	-0.2	-2.6	-2.2	-1.1	-0.9	1.0	-1.1
2020 Jan	-	0.3	0.2	-2.4	1.3	-0.6	-2.8	1.1	0.8	-0.8	-1.9
Feb	-	-0.1	0.4	-1.6	-1.0	0.2	0.5	3.9	-0.2	-1.7	-0.5
Mar	-5.5	-6.2	-7.0	0.2	0.6	-6.6	-8.8	0.7	-14.1	-4.6	-1.6
Apr	-20.7	-3.5	-25.8	-9.7	-7.5	2.5	-28.8	-11.5	-34.8	-27.5	-6.5
May	6.3	3.0	9.0	-0.8	0.4	0.4	21.2	3.6	12.5	12.0	-0.6
Jun	11.1	8.0	13.1	5.8	5.9	6.4	3.2	3.3	20.7	16.6	5.0
Jul	5.9	-2.5	7.5	5.8	0.9	-3.8	11.4	5.7	9.3	5.7	2.1
Aug	1.5	-3.6	2.4	0.4	-0.4	-3.7	3.2	-0.1	5.0	2.1	-0.8
Sep	0.7	-2.3	1.2	0.1	0.3	-3.3	0.3	-2.3	3.1	1.9	-0.9
Oct	0.8	0.6	1.4	-2.7	0.6	1.1	2.5	0.2	2.3	1.7	-1.1
Nov	1.1	-4.2	1.8	0.3	-	-5.4	2.7	-0.9	2.6	2.6	-0.9
Dec	-0.3	2.9	-1.1	2.7	0.9	6.0	-8.5	-0.4	-2.1	-0.4	3.1
2021 Jan	-1.4	-3.6	-1.9	1.5	0.6	-5.9	4.1	-	-3.5	-2.1	-1.2
Feb	0.6	-4.1	0.9	0.3	1.6	-4.5	1.4	-0.2	3.1	0.2	-1.0
Mar	1.2	2.1	1.4	-0.8	1.6	3.1	-1.6	2.0	0.8	1.7	-
Apr	-0.4	-15.0	0.6	1.4	-1.1	-18.9	-1.7	-1.1	0.5	1.9	-3.4
May	0.9	3.1	-	6.0	-0.1	5.5	3.1	5.6	-4.4	-0.8	5.3
Jun	-0.6	-8.9	-0.1	-1.7	1.1	-15.0	3.2	-3.2	1.3	0.6	-3.7
Jul	0.3	17.7	-0.6	-2.0	1.0	23.5	0.5	1.1	-1.3	-1.7	2.7
Aug	0.8	16.0	0.5	-2.8	-0.8	20.2	-0.8	-0.1	2.3	-0.6	2.9
Percentage change, latest 3 months on same 3 months a year ago											
2019 Jun	4.5 [†]	9.9 [†]	2.8 [†]	17.9 [†]	0.3 [†]	12.7 [†]	2.0 [†]	3.4 [†]	-2.2 [†]	6.7 [†]	13.2 [†]
Jul	3.5	-4.1	2.7	18.9	-0.2	-4.7	1.9	2.2	-1.1	6.0	8.6
Aug	1.8	-15.1	2.1	15.1	-0.8	-17.9	1.0	1.7	-1.6	5.4	2.0
Sep	1.3	-18.8	2.2	12.9	-1.0	-22.7	2.8	1.9	-1.3	5.4	-0.8
Oct	0.6	-27.9	2.7	13.4	-1.1	-33.1	4.6	1.4	-0.2	5.9	-5.4
Nov	0.2	-32.7	2.6	15.7	-1.1	-38.4	6.1	0.9	-	6.2	-7.2
Dec	-0.5	-37.0	2.4	15.9	-0.8	-42.9	4.7	-0.3	-0.3	6.4	-9.0
2020 Jan	-1.4	-35.8	1.2	12.6	0.1	-41.4	1.8	-1.4	-1.2	5.0	-9.2
Feb	-1.9	-33.4	0.5	9.3	0.1	-38.5	-1.4	-0.9	-1.4	2.6	-8.8
Mar	-4.4	-31.3	-3.0	6.5	0.3	-36.0	-6.9	-0.8	-6.6	-1.6	-8.6
Apr	-12.0	-29.0	-13.0	1.2	-2.8	-31.7	-18.4	-3.0	-20.2	-12.8	-9.2
May	-18.4	-26.1	-21.1	-5.0	-5.5	-27.3	-25.9	-4.6	-32.6	-20.0	-11.2
Jun	-19.6	-17.1	-23.1	-9.3	-6.5	-16.6	-28.5	-4.3	-35.8	-21.5	-10.1
Jul	-13.6	-12.3	-16.0	-6.3	-4.3	-12.8	-20.4	-0.4	-27.6	-12.9	-7.6
Aug	-8.1	-10.0	-9.6	-1.8	-2.2	-10.7	-15.0	2.4	-19.3	-6.5	-4.5
Sep	-5.7	-14.4	-6.3	0.6	-1.4	-15.8	-10.8	3.3	-14.2	-3.8	-5.0
Oct	-4.9	-14.5	-4.8	-1.6	-0.8	-15.6	-9.8	3.0	-11.5	-2.4	-5.9
Nov	-4.1	-14.6	-3.4	-4.7	-0.1	-15.7	-8.4	1.7	-8.9	-0.6	-7.5
Dec	-3.4	-11.2	-2.7	-5.5	0.7	-11.3	-9.1	1.8	-7.6	0.5	-6.9
2021 Jan	-3.1	-11.3	-2.8	-3.1	0.8	-11.5	-7.9	1.6	-8.0	0.7	-5.9
Feb	-3.3	-11.7	-3.7	0.4	1.9	-12.0	-7.6	0.1	-8.7	0.5	-4.5
Mar	-1.4	-11.7	-1.5	2.1	3.0	-12.2	-2.8	-1.2	-4.3	2.8	-3.9
Apr	8.3	-13.9	11.0	6.3	6.5	-17.1	9.6	1.4	14.9	16.9	-2.5
May	17.7	-15.1	23.4	12.6	9.1	-19.4	19.4	6.5	34.2	28.9	1.0
Jun	20.6	-23.3	27.9	16.9	9.7	-29.8	26.7	8.9	39.7	32.3	1.2
Jul	12.1	-22.6	16.2	13.5	7.8	-28.0	16.3	5.6	20.8	18.3	0.4
Aug	6.0	-16.7	8.2	6.9	6.1	-21.1	10.9	1.9	9.8	9.3	-1.0

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

2 Any apparent inconsistencies between these tables and the latest GDP estimate 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 added¹

Seasonally adjusted 2019 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MG-NRG
Latest weight	1 000.0	78.4 [†]	724.6 [†]	109.7 [†]	87.4 [†]	65.8 [†]	66.6 [†]	193.8 [†]	269.3 [†]	243.0 [†]	220.1 [†]
Percentage change, latest 3 months on previous 3 months											
2019 Jun	-1.8 [†]	-19.8 [†]	-1.1 [†]	7.1 [†]	1.5 [†]	-23.0 [†]	0.7 [†]	-3.3	-0.8 [†]	- [†]	-4.9 [†]
Jul	-1.0	-16.8	-0.4	6.1	1.1	-19.6	0.2	-3.0 [†]	1.2	-0.3	-3.4
Aug	-1.1	-13.1	-0.5	2.2	0.4	-15.6	-1.6	-1.9	0.4	0.1	-3.8
Sep	-0.1	-2.9	0.2	-0.9	-0.7	-4.0	-1.2	0.3	-0.1	0.7	-1.3
Oct	-0.3	-1.7	-0.2	0.2	-1.1	-2.8	-0.2	-0.3	-0.9	0.9	-0.7
Nov	0.2	-1.5	0.1	3.5	-1.4	-2.5	0.8	-0.1	-0.6	0.9	1.4
Dec	-0.1	-7.5	0.1	4.9	-1.2	-8.9	0.7	-0.7	-0.5	0.8	0.6
2020 Jan	-0.6	-7.4	-0.3	2.3	-0.4	-8.3	-2.2	-0.4	-1.4	0.2	-0.1
Feb	-0.9	-6.7	-0.1	-2.2	0.1	-7.0	-3.9	0.6	-1.2	-0.5	-2.1
Mar	-2.4	-4.6	-2.2	-4.4	0.6	-4.9	-7.1	3.0	-5.2	-3.0	-3.2
Apr	-10.3	-6.3	-12.2	-6.9	-2.4	-4.7	-16.5	0.7	-19.3	-13.5	-5.3
May	-16.9	-7.4	-20.6	-8.3	-4.6	-5.0	-22.2	-3.2	-31.6	-20.4	-7.0
Jun	-17.4	-3.2	-21.6	-8.8	-5.4	0.3	-22.7	-6.8	-31.9	-20.2	-6.5
Jul	-2.8	2.8	-3.8	-1.9	-0.5	2.7	-2.3	-0.4	-8.2	-0.5	-1.7
Aug	11.3	5.7	14.0	5.7	3.9	3.6	12.8	5.2	20.2	17.1	3.3
Sep	17.1	0.3	22.1	9.9	4.7	-3.1	23.4	8.3	33.5	23.3	4.3
Oct	9.8	-4.1	13.1	5.2	2.5	-5.9	13.0	3.2	21.2	13.1	1.2
Nov	4.6	-6.5	6.9	0.5	0.7	-7.9	8.7	-0.7	12.2	7.3	-1.7
Dec	2.5	-4.0	3.9	-1.4	0.9	-4.0	2.6	-2.1	7.1	5.3	-1.5
2021 Jan	1.2	-3.9	1.8	0.8	1.3	-3.9	-0.1	-1.8	2.5	3.4	-0.2
Feb	-	-3.5	-0.4	3.1	2.1	-2.9	-3.1	-1.0	-1.0	0.6	1.1
Mar	-0.4	-5.2	-1.0	3.4	2.9	-5.9	-0.7	-0.1	-1.7	-0.8	-0.1
Apr	0.2	-9.1	0.4	2.2	3.1	-10.7	-0.6	0.6	0.7	0.4	-1.8
May	1.1	-11.0	1.7	2.9	2.2	-13.0	0.5	3.0	0.5	2.1	-1.6
Jun	1.0	-15.9	1.8	4.4	0.8	-19.8	0.8	2.8	-0.6	2.7	-1.5
Jul	0.7	-7.6	0.6	4.8	0.8	-10.8	3.7	3.7	-3.4	0.8	1.3
Aug	0.3	3.7	-0.1	0.3	1.1	1.5	4.8	0.7	-1.7	-0.7	1.3

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

2 Any apparent inconsistencies between these tables and the latest GDP estimate 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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors						
	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	110.8 [†]	25.5 [†]	48.0 [†]	14.2 [†]	44.3 [†]	49.0 [†]	
2016	K22B 89.8 [†]	K22P 80.9 [†]	K22T 94.4 [†]	K22X 106.4 [†]	K22Z 85.4 [†]	K239 96.1 [†]	
2017	86.5	87.6	93.1	99.4	80.6	94.1	
2018	96.7	92.6	94.6	78.8	86.5	94.8	
2019	100.0	100.0	100.0	100.0	100.0	100.0	
2020	94.7	92.6	90.9	87.1	107.0	113.6	
2020 Q2	88.8 [†]	63.1 [†]	74.8 [†]	75.5 [†]	101.3 [†]	120.0 [†]	
Q3	96.0	105.6	93.2	80.2	107.0	116.7	
Q4	95.2	111.2	97.4	84.8	113.3	108.7	
2021 Q1	94.1	105.9	97.9	78.5	111.2	114.9	
Q2	99.6	110.8	104.1	88.0	111.5	110.7	
2020 Jun	91.3 [†]	88.8 [†]	84.3	74.3 [†]	101.2 [†]	118.7 [†]	
Jul	96.5	103.6	92.8 [†]	77.7	105.0	121.7	
Aug	96.0	107.6	92.5	77.4	108.8	118.0	
Sep	95.5	105.7	94.4	85.4	107.1	110.3	
Oct	95.6	108.6	95.8	85.1	109.4	110.4	
Nov	95.8	110.6	98.4	85.1	113.7	107.6	
Dec	94.2	114.5	98.1	84.1	116.9	108.1	
2021 Jan	93.2	105.0	96.6	79.6	111.9	114.7	
Feb	94.1	103.1	97.6	77.1	111.4	114.0	
Mar	94.9	109.6	99.4	78.9	110.4	116.0	
Apr	99.6	108.6	102.8	82.0	113.2	99.4	
May	99.3	109.9	104.2	89.6	111.2	124.0	
Jun	99.8	113.9	105.3	92.4	110.2	108.6	
Jul	100.0	111.5	104.7	92.1	109.7	113.1	
Aug	100.8	110.6	106.3	93.3	110.1	107.3	
Percentage change, latest year on previous year							
2016	7.3 [†]	1.5 [†]	7.0 [†]	26.3 [†]	-18.0 [†]	-9.7 [†]	
2017	-3.7	8.3	-1.4	-6.6	-5.7	-2.1	
2018	11.7	5.8	1.7	-20.7	7.3	0.7	
2019	3.5	7.9	5.7	27.0	15.7	5.6	
2020	-5.3	-7.3	-9.1	-12.9	7.0	13.6	
Percentage change, latest month on same month a year ago							
2019 Jun	-0.4 [†]	6.2 [†]	4.1 [†]	22.0 [†]	16.4 [†]	3.2 [†]	
Jul	-0.8	5.3	1.2	32.1	12.6	19.1	
Aug	-	5.0	6.9	19.7	16.4	1.4	
Sep	1.3	8.6	5.9	12.8	11.3	-2.6	
Oct	0.2	12.3	7.3	32.6	12.5	1.5	
Nov	-0.7	5.7	2.6	30.7	5.1	0.8	
Dec	-2.1	3.4	1.6	31.7	6.9	-7.5	
2020 Jan	-3.5	-2.0	2.6	17.2	7.9	-4.0	
Feb	-1.6	0.5	-1.5	14.2	2.3	6.1	
Mar	-4.6	-19.7	-7.7	7.6	6.4	6.6	
Apr	-13.9	-60.2	-33.7	-20.7	2.7	21.8	
May	-11.0	-37.7	-25.6	-28.9	2.8	24.4	
Jun	-6.4	-10.6	-14.6	-21.9	1.5	16.9	
Jul	-2.2	1.7	-5.4	-22.8	6.9	13.6	
Aug	-3.4	7.5	-7.3	-21.4	10.2	22.7	
Sep	-4.8	2.3	-6.5	-7.0	6.5	18.0	
Oct	-4.8	4.1	-6.2	-19.7	7.6	14.2	
Nov	-3.3	9.1	-2.1	-20.3	15.2	10.1	
Dec	-4.1	15.8	-1.1	-24.9	13.7	15.2	
2021 Jan	-4.8	11.6	-4.1	-26.8	4.7	15.8	
Feb	-5.9	5.9	-0.7	-30.4	8.0	5.0	
Mar	-3.5	36.2	4.7	-24.1	1.3	-2.9	
Apr	15.1	173.8	51.9	4.3	12.6	-17.9	
May	12.1	80.4	43.8	21.6	8.7	3.2	
Jun	9.2	28.2	24.9	24.3	8.9	-8.5	
Jul	3.6	7.6	12.9	18.5	4.5	-7.1	
Aug	4.9	2.8	15.0	20.6	1.2	-9.0	

[†] 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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors							
	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	52.8 [†]	81.3 [†]	50.5 [†]	18.0 [†]	54.6 [†]	108.3 [†]	67.4 [†]	
2016	K23B 90.6 [†]	K23G 103.6 [†]	K23N 88.2 [†]	K23P 86.8 [†]	K23R 90.3 [†]	K23T 93.8 [†]	K23Z 90.9 [†]	
2017	91.2	100.8	92.2	90.4	97.7	101.0	95.6	
2018	94.4	100.2	98.5	89.1	106.7	101.9	98.5	
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2020	93.2	89.4	88.8	92.2	79.8	77.1	93.9	
2020 Q2	71.8 [†]	76.3 [†]	80.0 [†]	76.6 [†]	62.7 [†]	45.2 [†]	78.5 [†]	
Q3	99.1	90.2	90.5	96.3	80.9	79.9	95.9	
Q4	103.4	95.5	91.4	97.5	87.7	89.8	99.5	
2021 Q1	103.8	93.0	91.3	101.2	90.1	82.7	101.9	
Q2	108.0	95.5	91.2	100.9	96.9	74.2	108.3	
2020 Jun	90.2 [†]	85.2 [†]	83.6 [†]	84.9 [†]	75.0 [†]	62.1 [†]	85.3 [†]	
Jul	97.0	87.5	88.2	91.2	80.0	73.9	92.8	
Aug	99.3	89.4	91.7	98.7	80.6	79.1	98.6	
Sep	100.9	93.6	91.5	98.9	82.0	86.6	96.4	
Oct	102.1	95.0	93.1	98.4	85.0	88.2	98.6	
Nov	104.5	96.1	95.4	101.3	88.1	91.3	100.2	
Dec	103.6	95.4	85.7	92.9	89.9	90.0	99.7	
2021 Jan	101.2	93.2	90.4	99.4	86.7	80.7	101.9	
Feb	102.2	91.6	92.8	103.0	87.9	84.2	103.2	
Mar	108.0	94.3	90.8	101.3	95.7	83.1	100.5	
Apr	110.8	95.4	89.2	102.3	95.8	81.3	106.8	
May	107.5	95.4	92.0	101.5	97.1	68.7	108.0	
Jun	105.8	95.7	92.4	98.9	97.7	72.5	110.2	
Jul	105.2	93.1	90.5	95.5	93.0	73.4	110.4	
Aug	104.0	92.6	91.2	99.6	95.3	76.2	110.4	
Percentage change, latest year on previous year								
2016	-6.5 [†]	1.2 [†]	8.8 [†]	-0.6 [†]	-8.4 [†]	-1.1 [†]	-2.9 [†]	
2017	0.6	-2.7	4.5	4.2	8.2	7.6	5.2	
2018	3.5	-0.6	6.8	-1.5	9.1	0.8	3.1	
2019	6.0	-0.2	1.6	12.3	-6.2	-1.8	1.5	
2020	-6.8	-10.6	-11.2	-7.8	-20.2	-22.9	-6.2	
Percentage change, latest month on same month a year ago								
2019 Jun	3.6 [†]	-2.1 [†]	-0.8 [†]	21.1 [†]	-5.0 [†]	-0.1 [†]	0.1 [†]	
Jul	4.2	-0.8	-0.2	16.0	-6.5	-0.3	0.9	
Aug	4.4	-1.3	-2.1	12.1	-7.8	0.3	1.4	
Sep	4.1	0.5	6.8	12.9	-6.8	0.8	-0.6	
Oct	3.5	3.8	8.0	8.1	-6.2	4.8	0.8	
Nov	1.7	8.1	5.7	7.8	-7.6	-3.0	1.5	
Dec	6.2	8.6	1.8	8.2	-9.1	-	4.3	
2020 Jan	4.1	-0.2	-1.9	4.5	-11.4	1.7	7.2	
Feb	1.9	-3.4	-5.4	2.0	-11.1	0.1	6.2	
Mar	-8.9	-8.8	-13.1	-1.7	-22.4	-22.3	-4.7	
Apr	-46.3	-29.7	-26.6	-32.3	-49.9	-61.3	-30.0	
May	-28.0	-25.6	-18.0	-24.1	-39.0	-62.0	-22.1	
Jun	-9.3	-13.7	-17.0	-17.0	-25.8	-39.9	-14.2	
Jul	-3.0	-13.0	-10.2	-11.5	-19.1	-28.0	-5.9	
Aug	-0.4	-10.4	-6.8	-1.7	-18.1	-22.1	-0.7	
Sep	0.2	-6.7	-7.8	-2.1	-16.4	-13.9	-4.0	
Oct	1.8	-5.1	-9.0	-1.2	-13.1	-13.6	-1.9	
Nov	5.0	-4.4	-5.4	1.7	-8.9	-6.2	-1.8	
Dec	1.5	-6.8	-12.8	-8.8	-6.1	-9.3	-0.8	
2021 Jan	-0.7	-5.5	-5.5	-1.0	-5.7	-20.6	-1.9	
Feb	0.6	-5.6	-2.7	4.4	-4.2	-16.3	-1.7	
Mar	17.1	3.4	1.9	5.5	19.7	5.9	5.1	
Apr	105.5	38.2	23.7	49.8	87.2	132.0	49.1	
May	50.8	28.0	9.1	32.4	57.0	78.1	37.4	
Jun	17.2	12.3	10.5	16.5	30.3	16.7	29.1	
Jul	8.4	6.3	2.6	4.8	16.3	-0.7	19.0	
Aug	4.7	3.5	-0.5	1.0	18.2	-3.7	12.0	

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IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors					
	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	110.8 [†]	25.5 [†]	48.0 [†]	14.2 [†]	44.3 [†]	49.0 [†]
Percentage change, latest month on previous month						
2019 Jun	-1.9 [†]	1.6 [†]	1.3 [†]	-8.3 [†]	0.2 [†]	5.1 [†]
Jul	1.1	2.6	-0.6	5.8	-1.5	5.5
Aug	0.8	-1.8	1.8	-2.1	0.5	-10.2
Sep	0.9	3.2	1.2	-6.8	1.9	-2.9
Oct	-	1.0	1.2	15.3	1.1	3.5
Nov	-1.2	-2.8	-1.7	0.9	-2.9	1.1
Dec	-0.9	-2.5	-1.3	4.9	4.1	-4.1
2020 Jan	-0.3	-4.8	1.6	-3.0	4.0	5.6
Feb	2.2	3.4	-2.4	2.0	-3.5	9.7
Mar	-1.7	-17.3	-3.4	-6.1	5.7	10.0
Apr	-12.0	-50.7	-28.8	-24.4	-7.7	1.3
May	2.3	53.6	7.1	-6.2	1.7	-0.8
Jun	3.1	45.8	16.4	0.8	-1.1	-1.2
Jul	5.6	16.7	10.0	4.5	3.8	2.5
Aug	-0.4	3.8	-0.3	-0.4	3.6	-3.1
Sep	-0.6	-1.7	2.1	10.3	-1.5	-6.5
Oct	0.1	2.7	1.5	-0.4	2.1	0.2
Nov	0.3	1.9	2.6	-	3.9	-2.6
Dec	-1.8	3.5	-0.3	-1.1	2.8	0.4
2021 Jan	-1.0	-8.3	-1.5	-5.5	-4.3	6.1
Feb	1.0	-1.8	1.0	-3.1	-0.4	-0.6
Mar	0.8	6.3	1.9	2.4	-0.9	1.8
Apr	5.0	-0.9	3.4	3.9	2.6	-14.4
May	-0.4	1.3	1.4	9.3	-1.8	24.8
Jun	0.5	3.6	1.0	3.1	-0.9	-12.4
Jul	0.2	-2.1	-0.6	-0.3	-0.4	4.2
Aug	0.8	-0.8	1.6	1.3	0.4	-5.1
Percentage change, latest 3 months on same 3 months a year ago						
2019 Jun	3.2 [†]	7.6 [†]	5.9 [†]	30.0 [†]	17.9 [†]	4.8 [†]
Jul	0.5	6.0	2.9	30.7	15.9	8.2
Aug	-0.4	5.5	4.0	24.5	15.1	7.6
Sep	0.1	6.3	4.6	21.3	13.4	5.7
Oct	0.5	8.6	6.7	21.6	13.3	0.1
Nov	0.2	8.8	5.2	25.3	9.6	-0.1
Dec	-0.9	7.1	3.8	31.6	8.1	-1.8
2020 Jan	-2.1	2.4	2.2	26.2	6.7	-3.6
Feb	-2.4	0.6	0.9	20.6	5.7	-1.8
Mar	-3.2	-7.2	-2.3	12.9	5.5	3.0
Apr	-6.6	-26.7	-14.4	0.2	3.8	11.3
May	-9.8	-39.2	-22.2	-14.4	4.0	17.1
Jun	-10.5	-36.2	-24.7	-23.9	2.3	21.0
Jul	-6.6	-15.3	-15.2	-24.6	3.7	18.1
Aug	-4.0	-0.5	-9.1	-22.0	6.2	17.6
Sep	-3.5	3.8	-6.4	-17.4	7.9	17.9
Oct	-4.3	4.6	-6.7	-16.3	8.1	18.3
Nov	-4.3	5.1	-4.9	-16.1	9.7	14.0
Dec	-4.1	9.6	-3.1	-21.7	12.2	13.1
2021 Jan	-4.1	12.1	-2.4	-24.0	11.1	13.7
Feb	-5.0	11.1	-2.0	-27.3	8.7	11.7
Mar	-4.8	16.8	-0.2	-27.2	4.6	5.4
Apr	1.3	47.7	14.9	-18.9	7.1	-5.7
May	7.4	81.2	30.3	-2.3	7.4	-5.9
Jun	12.1	75.5	39.1	16.5	10.1	-7.8
Jul	8.2	32.3	25.9	21.4	7.3	-4.1
Aug	5.9	12.0	17.4	21.1	4.8	-8.2

[†] 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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors							
	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	52.8 [†]	81.3 [†]	50.5 [†]	18.0 [†]	54.6 [†]	108.3 [†]	67.4 [†]	
Percentage change, latest month on previous month								
2019 Jun	0.4	-1.5 [†]	-2.2 [†]	1.2 [†]	-0.3 [†]	2.0 [†]	-1.3 [†]	
Jul	0.6 [†]	1.9	-2.5	0.7	-2.0	-0.8	-0.9	
Aug	-0.2	-0.8	0.2	-2.6	-0.5	-1.0	0.8	
Sep	0.9	0.6	0.9	0.7	-0.4	-0.4	1.1	
Oct	-0.4	-0.3	3.1	-1.4	-0.2	1.4	0.1	
Nov	-0.7	0.5	-1.5	-	-1.1	-4.5	1.6	
Dec	2.6	1.8	-2.4	2.2	-1.1	1.9	-1.6	
2020 Jan	-0.2	-3.6	-2.8	-1.4	-3.9	2.5	3.4	
Feb	-0.3	-1.6	-0.3	-1.7	-0.1	-1.1	1.1	
Mar	-9.3	-6.0	-6.6	-2.7	-13.0	-21.9	-9.0	
Apr	-41.5	-24.3	-19.1	-28.9	-36.0	-55.3	-25.1	
May	32.2	8.0	17.1	12.4	20.8	10.1	9.7	
Jun	26.6	14.2	-0.9	10.7	21.2	61.1	8.6	
Jul	7.6	2.8	5.5	7.4	6.7	18.9	8.7	
Aug	2.4	2.1	4.0	8.2	0.8	7.1	6.3	
Sep	1.6	4.7	-0.2	0.2	1.7	9.4	-2.3	
Oct	1.1	1.4	1.8	-0.5	3.7	1.8	2.3	
Nov	2.4	1.2	2.4	2.9	3.7	3.6	1.6	
Dec	-0.9	-0.8	-10.1	-8.3	2.0	-1.5	-0.6	
2021 Jan	-2.3	-2.2	5.4	7.0	-3.5	-10.3	2.3	
Feb	1.0	-1.8	2.7	3.6	1.5	4.3	1.3	
Mar	5.6	3.0	-2.1	-1.6	8.8	-1.2	-2.6	
Apr	2.6	1.2	-1.8	1.0	0.2	-2.2	6.3	
May	-3.0	-	3.2	-0.7	1.3	-15.5	1.1	
Jun	-1.6	0.3	0.4	-2.6	0.6	5.6	2.0	
Jul	-0.5	-2.7	-2.0	-3.4	-4.7	1.2	0.2	
Aug	-1.1	-0.6	0.9	4.3	2.4	3.9	0.1	
Percentage change, latest 3 months on same 3 months a year ago								
2019 Jun	6.7 [†]	-2.0 [†]	0.9 [†]	17.2 [†]	-5.0 [†]	-4.5 [†]	2.8 [†]	
Jul	4.6	-0.6	0.8	17.3	-5.1	-1.0	1.5	
Aug	4.1	-1.4	-1.0	16.3	-6.4	-	0.8	
Sep	4.2	-0.5	1.4	13.7	-7.0	0.3	0.5	
Oct	4.0	1.0	4.1	11.0	-6.9	1.9	0.5	
Nov	3.1	4.0	6.8	9.6	-6.9	0.8	0.6	
Dec	3.8	6.8	5.1	8.1	-7.6	0.6	2.2	
2020 Jan	4.0	5.4	1.8	6.8	-9.4	-0.4	4.3	
Feb	4.0	1.5	-1.9	4.9	-10.5	0.6	5.9	
Mar	-1.0	-4.1	-6.9	1.6	-14.9	-6.9	2.8	
Apr	-17.8	-13.8	-14.9	-10.9	-27.7	-26.7	-9.7	
May	-27.7	-21.3	-19.1	-19.6	-37.0	-48.1	-19.0	
Jun	-27.9	-23.0	-20.5	-24.4	-38.2	-54.0	-22.2	
Jul	-13.4	-17.4	-15.2	-17.5	-28.0	-43.2	-14.1	
Aug	-4.2	-12.3	-11.4	-10.1	-21.0	-30.1	-6.9	
Sep	-1.0	-10.0	-8.3	-5.2	-17.9	-21.4	-3.5	
Oct	0.5	-7.4	-7.9	-1.7	-15.9	-16.5	-2.2	
Nov	2.3	-5.4	-7.4	-0.6	-12.8	-11.3	-2.6	
Dec	2.7	-5.4	-9.0	-2.8	-9.4	-9.7	-1.5	
2021 Jan	1.9	-5.5	-7.9	-2.7	-6.9	-12.1	-1.5	
Feb	0.4	-6.0	-7.1	-1.8	-5.4	-15.4	-1.5	
Mar	5.3	-2.7	-2.2	2.9	2.5	-11.6	0.4	
Apr	29.6	9.3	6.3	16.6	25.3	16.1	14.1	
May	50.1	21.4	10.8	26.6	49.6	53.3	28.3	
Jun	50.4	25.2	14.0	31.7	54.6	63.9	38.0	
Jul	23.2	14.9	7.3	17.1	32.7	22.9	28.0	
Aug	9.9	7.3	4.0	7.0	21.4	3.2	19.6	

[†] 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

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors						
	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	CF
Latest weight	110.8 [†]	25.5 [†]	48.0 [†]	14.2 [†]	44.3 [†]		49.0 [†]
Percentage change, latest 3 months on previous 3 months							
2019 Jun	-2.8 [†]	1.3 [†]	-0.9 [†]	4.1 [†]	-1.7 [†]		-6.4
Jul	-3.1	0.8	-3.5	2.3	-1.2		-2.8
Aug	-2.5	1.2	-1.9	-1.7	-1.1		-1.1 [†]
Sep	0.3	2.8	0.2	-2.4	0.1		-0.2
Oct	1.5	2.8	3.0	-1.1	1.2		-6.2
Nov	1.4	2.5	2.3	3.4	1.5		-5.5
Dec	-0.2	-0.2	1.0	11.6	1.9		-2.8
2020 Jan	-1.6	-4.3	-0.8	10.5	2.4		1.5
Feb	-1.2	-6.1	-1.7	8.8	3.9		4.7
Mar	-0.5	-10.7	-2.5	-0.4	5.2		13.5
Apr	-3.5	-26.1	-13.1	-10.4	1.4		20.1
May	-7.6	-37.6	-21.2	-22.6	-0.3		19.7
Jun	-10.1	-30.4	-23.7	-29.9	-4.7		10.0
Jul	-3.0	16.5	-4.4	-23.0	-1.4		3.2
Aug	3.8	65.7	14.6	-10.5	1.0		-0.6
Sep	8.1	67.3	24.5	6.1	5.6		-2.8
Oct	3.9	27.0	13.3	9.8	5.5		-6.0
Nov	1.1	8.3	7.0	11.3	4.9		-8.4
Dec	-0.8	5.3	4.5	5.7	5.9		-6.8
2021 Jan	-1.4	2.6	3.7	0.4	5.2		-2.5
Feb	-1.9	-0.7	1.3	-5.7	3.0		2.6
Mar	-1.2	-4.8	0.5	-7.3	-1.9		5.7
Apr	1.9	-2.7	2.3	-4.3	-2.2		-0.3
May	4.4	1.7	4.8	4.1	-1.6		0.8
Jun	5.8	4.6	6.3	12.1	0.3		-3.7
Jul	3.6	4.3	4.8	15.2	-1.2		4.9
Aug	2.3	2.4	3.2	10.9	-1.4		-3.1

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IOP5 Output of the production industries

Chained volume indices of gross value added¹

continued

Seasonally adjusted 2019 = 100

Section	Manufacturing sub-sectors							
	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment n.e.c	Transport equipment	Other manufacturing and repair	
	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	52.8 [†]	81.3 [†]	50.5 [†]	18.0 [†]	54.6 [†]	108.3 [†]	67.4 [†]	
Percentage change, latest 3 months on previous 3 months								
2019 Jun	- [†]	-0.7 [†]	0.4 [†]	4.7 [†]	-1.8 [†]	-2.0 [†]	2.2 [†]	
Jul	-0.9	0.3	0.1	3.8	-2.3	5.4	-0.9	
Aug	-0.4	0.2	-2.1	2.0	-2.6	5.1	-2.0	
Sep	0.6	1.2	-2.0	0.1	-3.0	3.2	-1.4	
Oct	0.7	0.2	-0.6	-1.7	-2.3	-1.1	0.5	
Nov	0.4	0.6	1.7	-1.7	-1.9	-2.5	1.9	
Dec	0.5	0.7	1.9	-1.1	-1.8	-2.1	1.6	
2020 Jan	1.0	0.4	-1.7	0.2	-3.4	-2.0	2.0	
Feb	1.8	-1.0	-4.3	0.2	-4.5	0.5	2.1	
Mar	-2.0	-5.3	-7.1	-2.0	-9.1	-6.0	0.5	
Apr	-18.4	-14.6	-13.0	-12.9	-21.6	-28.2	-11.2	
May	-28.9	-21.2	-15.2	-19.9	-31.0	-49.5	-20.5	
Jun	-27.2	-20.2	-14.3	-22.1	-28.7	-51.6	-22.6	
Jul	4.4	-3.9	-0.2	-3.9	-2.7	-18.4	-5.7	
Aug	31.8	11.6	7.3	14.0	22.1	41.5	12.6	
Sep	38.0	18.2	13.0	25.6	29.0	76.5	22.2	
Oct	16.9	12.4	7.9	17.1	14.2	45.4	14.4	
Nov	7.3	8.6	6.3	8.7	8.3	23.7	6.7	
Dec	4.3	5.9	1.1	1.3	8.4	12.4	3.7	
2021 Jan	2.3	2.4	-1.7	-0.8	6.9	3.2	2.8	
Feb	-0.1	-1.6	-4.0	-1.1	3.7	-4.2	3.2	
Mar	0.4	-2.6	-0.1	3.8	2.8	-8.0	2.4	
Apr	3.8	-1.2	0.5	4.4	5.6	-5.1	2.9	
May	6.2	1.8	1.2	3.3	9.1	-8.5	3.4	
Jun	4.0	2.7	-0.2	-0.3	7.5	-10.3	6.3	
Jul	-0.8	1.0	0.8	-3.5	3.0	-13.7	5.8	
Aug	-3.5	-1.3	0.8	-3.6	-0.9	-4.7	5.0	

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