

Statistical bulletin

# Index of Production, UK: May 2020

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.



Contact:  
Mark Stephens  
[indexofproduction@ons.gov.uk](mailto:indexofproduction@ons.gov.uk)  
+44 (0)1633 456387

Release date:  
14 July 2020

Next release:  
12 August 2020

## Table of contents

1. [Main points](#)
2. [Index of Production data](#)
3. [Measuring the data](#)
4. [Related links](#)

# 1 . Main points

- In May 2020 the index of production remains 19.1% below February 2020, the previous month of "normal" trading conditions, prior to the coronavirus (COVID-19) pandemic.
- Production output rose by 6.0% between April 2020 and May 2020, with manufacturing providing the largest upward contribution, rising by 8.4%, the largest month-on-month rise since February 1979 (9.5%); there were also rises from mining and quarrying (5.0%) and water and waste (0.5%), which was offset by a fall in electricity and gas (down by negative 2.5%).
- The monthly increase of 8.4% in manufacturing output was led by rubber and plastic products (32.5%); of the 13 subsectors, 11 displayed upward contributions.
- Total production output decreased by 15.5% for the three months to May 2020, compared with the three months to February 2020; this was led by manufacturing output, which fell by 18.0%.
- The three-monthly fall in manufacturing is because of widespread weakness, with 12 of the 13 subsectors providing downward contributions; this was led by transport equipment which fell by 45.7%.
- For the three months to May 2020, compared with the three months to May 2019, production output decreased by 17.0%; this was led by a fall in manufacturing of 19.9% where 12 of the 13 subsectors displayed downward contributions.
- The coronavirus had a significant negative impact on our estimates of monthly, three-monthly and three-monthly on a year ago growth for production output during May 2020, resulting in record falls for the latter two estimates; 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: May 2020](#), published today (14 July 2020).

## 2 . Index of Production data

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

Dataset DIOP | Released 14 July 2020

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 14 July 2020

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 14 July 2020

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 14 July 2020

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 14 July 2020

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](#).

### After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK Gross National Income (a fundamental component of the national accounts, which includes gross domestic product (GDP)) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

### 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 come 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: May 2020](#)

Article | Released 14 July 2020

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

### [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 ONS data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

### [GDP monthly estimate, UK: May 2020](#)

Bulletin | Released 14 July 2020

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: May 2020](#)

Bulletin | Released 17 June 2020

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 \(ProdCom\): 2018 revised results](#)

Bulletin | Released 2 December 2019

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: June 2020](#)

Bulletin | Released 25 June 2020

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.



- [Page 1](#) Output by Broad industry groups and Main industrial groupings  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 2](#) Percentage change, latest month on previous month  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 3](#) Percentage change, latest 3 months on previous 3 months
- [Page 4](#) Output by Manufacturing sub-sectors part 1  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 5](#) Output by Manufacturing sub-sectors part 2  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 6](#) Percentage change, latest month on previous month part 1  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 7](#) Percentage change, latest month on previous month part 2  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 8](#) Percentage change, latest 3 months on previous 3 months part 1
- [Page 9](#) Percentage change, latest 3 months on previous 3 months part 2
- [Enquiries](#)

# IOP5 Output of the production industries

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

Seasonally adjusted 2016 = 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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
2015	K222 98.9	K224 102.0	K22A 99.8	K248 96.4	K24C 93.3	K226 96.3	K24Q 99.2	K24R 100.1	K24S 97.9	K24O 102.7	K24T 97.3
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	101.7	101.7	102.2	98.2	102.0	101.6	103.8	99.0	105.4	101.7	99.3
2018	102.5	107.1	103.1	96.7	102.5	109.2	115.6	100.4	107.7	100.7	100.0
2019	101.3 <sup>†</sup>	108.5 <sup>†</sup>	101.3 <sup>†</sup>	95.0 <sup>†</sup>	104.2 <sup>†</sup>	111.4 <sup>†</sup>	116.2 <sup>†</sup>	101.8 <sup>†</sup>	102.8 <sup>†</sup>	99.1 <sup>†</sup>	99.5 <sup>†</sup>
2019 Q1	102.9	108.7 <sup>†</sup>	103.9 <sup>†</sup>	94.1 <sup>†</sup>	102.3 <sup>†</sup>	111.9 <sup>†</sup>	117.6 <sup>†</sup>	104.5 <sup>†</sup>	105.4 <sup>†</sup>	101.8 <sup>†</sup>	98.8 <sup>†</sup>
Q2	101.1 <sup>†</sup>	108.2	101.0	95.9	104.4	111.1	116.3	101.0	102.3	99.3	99.8
Q3	100.8	109.8	100.7	93.6	105.0	112.7	115.2	101.5	102.5	98.0	98.8
Q4	100.2	107.4	99.7	96.5	105.2	110.0	115.7	100.2	101.0	97.4	100.3
2020 Q1	98.8	105.1	98.6	90.9	105.6	106.2	114.4	102.9	96.7	97.4	96.2
2019 Mar	103.7 <sup>†</sup>	113.1 <sup>†</sup>	105.0 <sup>†</sup>	92.4 <sup>†</sup>	102.5 <sup>†</sup>	118.1 <sup>†</sup>	118.7 <sup>†</sup>	107.2 <sup>†</sup>	106.0 <sup>†</sup>	101.8 <sup>†</sup>	98.9 <sup>†</sup>
Apr	100.5	108.1	100.4	95.4	102.9	111.0	114.8	102.3	99.1	99.9	99.4
May	101.5	108.6	101.3	95.9	105.3	111.5	118.3	100.1	103.9	99.2	100.2
Jun	101.4	108.0	101.2	96.3	105.0	110.8	115.8	100.7	104.0	98.8	99.8
Jul	101.2	107.3	101.4	94.9	104.2	109.7	115.6	103.2	102.7	98.3	99.0
Aug	100.5	107.6	100.6	93.1	105.3	109.5	115.0	100.6	102.9	97.9	98.1
Sep	100.5	114.6	100.1	92.7	105.5	119.0	114.9	100.7	101.9	97.9	99.4
Oct	100.9	106.8	100.7	96.3	104.7	108.8	118.0	101.1	102.8	98.0	100.0
Nov	100.0	108.8	99.1	97.6	105.2	111.6	115.3	100.3	100.1	96.8	101.2
Dec	99.8	106.5	99.2	95.7	105.6	109.6	113.7	99.3	100.2	97.6	99.9
2020 Jan	100.0	107.7	99.8	92.0	106.7	109.4	115.0	100.9	99.9	98.6	97.4
Feb	100.3	107.4	100.7	91.1	104.7	108.7	116.1	103.5	100.7	98.3	96.9
Mar	96.0	100.1	95.4	89.8	105.4	100.4	112.0	104.5	89.5	95.1	94.5
Apr	76.5	91.3	72.1	81.8	98.2	98.4	84.5	93.4	61.3	68.6	88.3
May	81.1	95.9	78.2	79.7	98.7	100.1	92.8	95.9	68.0	77.1	87.8
<b>Percentage change, latest year on previous year</b>											
2015	1.0	5.1	-0.1	2.2	4.6	7.5	-0.7	0.2	-1.6	0.7	3.7
2016	1.1	-2.0	0.2	3.7	7.1	3.8	0.8	-0.1	2.1	-2.6	2.8
2017	1.7	1.7	2.2	-1.8	2.0	1.6	3.8	-1.0	5.4	1.7	-0.7
2018	0.8	5.3	0.9	-1.6	0.5	7.6	11.4	1.4	2.2	-1.0	0.7
2019	-1.3 <sup>†</sup>	1.3 <sup>†</sup>	-1.7	-1.8 <sup>†</sup>	1.7 <sup>†</sup>	2.0 <sup>†</sup>	0.5 <sup>†</sup>	1.5 <sup>†</sup>	-4.5 <sup>†</sup>	-1.5 <sup>†</sup>	-0.5 <sup>†</sup>
<b>Percentage change, latest month on same month a year ago</b>											
2018 Mar	2.3	-1.5	2.2	10.4	-3.9	-0.3	18.1	0.5	6.3	-0.7	5.8
Apr	1.6	8.3	1.4	1.6	-0.2	13.0	14.5	-0.5	5.7	-1.6	3.3
May	0.9	5.5	1.8	-8.0	1.5	7.5	16.1	1.9	4.7	-1.4	-3.8
Jun	1.8	1.3	2.2	-4.1	4.7	1.4	9.8	3.3	3.5	0.1	-2.1
Jul	1.9	7.9	1.8	-1.1	2.6	11.0	15.9	3.7	1.0	0.9	2.7
Aug	1.6	10.3	1.2	-1.7	3.5	13.2	11.7	1.1	2.4	0.2	2.3
Sep	-0.2	2.5	-0.1	-4.1	2.5	3.1	4.5	2.2	-1.5	-0.6	-1.2
Oct	-0.6	4.3	-1.2	-0.5	1.5	5.1	9.3	1.8	-2.5	-2.2	1.1
Nov	-0.8	-	-0.9	-2.6	1.3	0.8	10.6	1.7	-1.0	-3.3	-0.6
Dec	-1.1	23.2	-2.0	-6.0	1.1	35.1	6.5	1.7	-3.5	-3.6	2.0
2019 Jan	-0.2	0.8	-0.9 <sup>†</sup>	1.4 <sup>†</sup>	2.4 <sup>†</sup>	0.9 <sup>†</sup>	1.9 <sup>†</sup>	5.4 <sup>†</sup>	-5.8 <sup>†</sup>	-0.4 <sup>†</sup>	2.2 <sup>†</sup>
Feb	-0.3 <sup>†</sup>	5.2 <sup>†</sup>	0.2	-8.0	2.5	6.8	2.7	3.7	-4.1	1.7	-3.4
Mar	0.9	13.7	1.8	-10.8	1.4	17.7	2.3	8.3	-3.1	1.9	-3.2
Apr	-1.8	-0.1	-2.2	-3.3	2.4	-0.4	0.1	3.1	-8.4	0.2	-1.9
May	-0.4	2.0	-1.7	4.5	3.3	3.2	0.8	-0.4	-4.1	-0.6	3.8
Jun	-1.5	1.5	-2.5	2.2	0.4	3.4	-0.3	-2.2	-2.8	-2.3	1.4
Jul	-2.0	-3.4	-2.0	-2.4	-0.1	-3.7	-0.4	2.0	-4.1	-3.6	-2.8
Aug	-2.5	-4.0	-2.6	-4.0	1.3	-4.7	-0.7	0.5	-4.7	-3.2	-3.5
Sep	-1.9	6.1	-2.8	-2.3	1.2	8.4	1.5	0.1	-4.1	-3.7	0.1
Oct	-1.4	-4.1	-1.8	0.1	1.0	-5.1	2.0	0.1	-2.7	-2.7	-0.8
Nov	-2.1	0.8	-3.4	1.9	2.0	0.9	-1.7	-1.2	-5.5	-3.2	1.6
Dec	-1.8	-0.7	-2.8	1.2	2.6	-0.8	-2.4	-1.5	-4.6	-2.4	1.1
2020 Jan	-2.4	2.4	-3.3	-4.9	4.5	2.5	-1.4	-2.4	-4.5	-2.6	-2.4
Feb	-2.2	-0.4	-2.9	-2.2	2.5	-1.8	-1.2	0.4	-4.5	-3.9	-0.9
Mar	-7.5	-11.5	-9.1	-2.8	2.9	-15.0	-5.6	-2.5	-15.6	-6.6	-4.5
Apr	-23.8	-15.5	-28.2	-14.3	-4.6	-11.3	-26.4	-8.7	-38.2	-31.3	-11.2
May	-20.0	-11.7	-22.8	-16.8	-6.3	-10.2	-21.5	-4.2	-34.5	-22.3	-12.4

<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

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

continued

Seasonally adjusted 2016 = 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 MG-CAG	Intermediate goods MIG-IG	Energy MG-NRG
Latest weight	1 000.0	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
<b>Percentage change, latest month on previous month</b>											
2018 Mar	-0.1	-3.0	-0.4	2.3	1.5	-3.2	1.5	-0.5	-0.5	-0.6	0.9
Apr	-0.5	8.8	-0.4	-4.7	-0.7	11.0	-1.2	0.3	-1.1	-0.3	-0.7
May	-0.4	-1.6	0.4	-7.1	1.5	-3.1	2.3	1.3	-	0.2	-4.8
Jun	1.0	-0.1	0.7	2.8	2.6	-0.8	-1.1	2.4	-1.1	1.3	2.0
Jul	0.3	4.4	-0.3	3.1	-0.3	6.4	0.1	-1.8	-	0.8	3.5
Aug	-0.2	0.9	-0.2	-0.2	-0.2	0.8	-0.3	-1.0	0.8	-0.7	-0.3
Sep	-0.6	-3.6	-0.2	-2.2	0.2	-4.4	-2.3	0.5	-1.6	0.4	-2.3
Oct	-0.1	3.1	-0.5	1.3	-0.5	4.3	2.2	0.4	-0.5	-1.0	1.5
Nov	-0.2	-3.1	0.1	-0.5	-0.6	-3.5	1.4	0.5	0.3	-0.7	-1.1
Dec	-0.5	-0.6	-0.5	-1.2	-0.3	-0.1	-0.6	-0.6	-0.9	-	-0.8
2019 Jan	0.9	-2.0	1.1 <sup>†</sup>	2.3 <sup>†</sup>	-0.7 <sup>†</sup>	-3.4 <sup>†</sup>	0.1 <sup>†</sup>	2.5 <sup>†</sup>	-0.3 <sup>†</sup>	1.3 <sup>†</sup>	1.0 <sup>†</sup>
Feb	0.1 <sup>†</sup>	2.5 <sup>†</sup>	0.5	-3.7	-	3.8	0.7	-0.4	0.8	1.0	-2.0
Mar	1.1	4.9	1.2	-0.8	0.4	6.7	1.0	4.0	0.5	-0.5	1.1
Apr	-3.2	-4.4	-4.3	3.3	0.4	-6.1	-3.3	-4.5	-6.5	-1.9	0.6
May	1.0	0.4	0.9	0.4	2.4	0.5	3.0	-2.1	4.8	-0.7	0.8
Jun	-0.1	-0.5	-0.1	0.5	-0.4	-0.6	-2.2	0.6	0.2	-0.5	-0.4
Jul	-0.1	-0.6	0.2	-1.5	-0.7	-1.0	-0.1	2.4	-1.3	-0.5	-0.8
Aug	-0.7	0.2	-0.8	-1.9	1.1	-0.2	-0.6	-2.5	0.2	-0.3	-1.0
Sep	-	6.5	-0.4	-0.4	0.1	8.7	-0.1	0.1	-1.0	-	1.4
Oct	0.4	-6.8	0.6	3.9	-0.7	-8.6	2.7	0.4	0.9	-	0.6
Nov	-0.9	1.9	-1.6	1.3	0.5	2.6	-2.3	-0.7	-2.6	-1.2	1.2
Dec	-0.2	-2.1	0.1	-2.0	0.4	-1.8	-1.3	-1.0	0.1	0.9	-1.3
2020 Jan	0.2	1.1	0.6	-3.9	1.0	-0.2	1.2	1.6	-0.2	1.0	-2.5
Feb	0.4	-0.2	0.9	-1.0	-1.9	-0.6	0.9	2.5	0.8	-0.3	-0.5
Mar	-4.3	-6.9	-5.2	-1.4	0.7	-7.7	-3.5	1.0	-11.1	-3.3	-2.5
Apr	-20.2	-8.8	-24.4	-8.9	-6.9	-2.0	-24.5	-10.6	-31.5	-27.9	-6.6
May	6.0	5.0	8.4	-2.5	0.5	1.8	9.8	2.6	10.9	12.4	-0.5
<b>Percentage change, latest 3 months on same 3 months a year ago</b>											
2018 Mar	1.5	1.2	2.1	2.7	-4.2	2.4	12.9	-0.1	6.0	-0.2	1.6
Apr	1.8	3.3	1.9	5.1	-2.9	5.8	14.3	0.6	5.6	-0.8	3.9
May	1.6	4.1	1.8	1.2	-0.9	6.7	16.2	0.6	5.6	-1.2	1.7
Jun	1.4	5.0	1.8	-3.5	2.0	7.2	13.4	1.6	4.6	-1.0	-0.9
Jul	1.5	4.9	1.9	-4.4	2.9	6.6	13.8	3.0	3.0	-0.1	-1.1
Aug	1.7	6.5	1.8	-2.3	3.6	8.5	12.4	2.7	2.3	0.4	0.9
Sep	1.1	6.9	1.0	-2.3	2.9	9.0	10.5	2.3	0.6	0.2	1.3
Oct	0.3	5.6	-	-2.1	2.5	7.0	8.4	1.7	-0.6	-0.9	0.7
Nov	-0.5	2.3	-0.7	-2.4	1.8	3.0	8.1	1.9	-1.7	-2.0	-0.2
Dec	-0.9	8.2	-1.4	-3.1	1.3	11.7	8.8	1.7	-2.4	-3.0	0.8
2019 Jan	-0.7	7.0	-1.3 <sup>†</sup>	-2.4 <sup>†</sup>	1.6	10.2 <sup>†</sup>	6.2 <sup>†</sup>	2.9 <sup>†</sup>	-3.5 <sup>†</sup>	-2.5	1.2 <sup>†</sup>
Feb	-0.6 <sup>†</sup>	9.0 <sup>†</sup>	-0.9	-4.3	2.0 <sup>†</sup>	12.6	3.7	3.6	-4.5	-0.8 <sup>†</sup>	0.2
Mar	0.1	6.5	0.4	-6.0	2.1	8.3	2.3	5.8	-4.3	1.1	-1.5
Apr	-0.4	6.1	-0.1	-7.4	2.1	7.7	1.7	5.0	-5.2	1.3	-2.8
May	-0.4	5.0	-0.7	-3.5	2.4	6.5	1.1	3.6	-5.2	0.5	-0.5
Jun	-1.2	1.1	-2.1	1.0	2.0	2.1	0.2	0.1	-5.1	-0.9	1.0
Jul	-1.3	-	-2.1	1.3	1.2	0.9	-	-0.2	-3.7	-2.2	0.7
Aug	-2.0	-2.0	-2.4	-1.5	0.5	-1.8	-0.5	0.1	-3.9	-3.0	-1.7
Sep	-2.1	-0.5	-2.5	-2.9	0.8	-0.1	0.1	0.9	-4.3	-3.5	-2.1
Oct	-1.9	-0.8	-2.4	-2.1	1.1	-0.6	0.9	0.2	-3.8	-3.2	-1.4
Nov	-1.8	0.9	-2.7	-0.1	1.4	1.3	0.6	-0.3	-4.1	-3.2	0.3
Dec	-1.8	-1.4	-2.7	1.1	1.9	-1.7	-0.7	-0.9	-4.3	-2.8	0.6
2020 Jan	-2.1	0.8	-3.2	-0.6	3.0	0.8	-1.8	-1.7	-4.9	-2.7	0.1
Feb	-2.2	0.4	-3.0	-2.0	3.2	-0.1	-1.7	-1.2	-4.6	-3.0	-0.7
Mar	-4.1	-3.4	-5.1	-3.3	3.3	-5.1	-2.7	-1.5	-8.2	-4.4	-2.6
Apr	-11.1	-9.2	-13.2	-6.5	0.3	-9.5	-10.9	-3.6	-19.0	-13.8	-5.6
May	-17.0	-12.9	-19.9	-11.4	-2.7	-12.3	-17.7	-5.1	-29.2	-20.0	-9.4

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.

<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

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

continued

Seasonally adjusted 2016 = 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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5
<b>Percentage change, latest 3 months on previous 3 months</b>											
2018 Mar	-0.1	1.5	-0.2	1.6	-1.8	3.1	7.4	-0.6	1.9	-2.6	1.4
Apr	-0.2	3.6	-0.8	3.2	-0.7	6.1	4.6	0.1	0.2	-2.8	3.4
May	-0.5	6.9	-1.0	-1.1	0.8	9.8	2.9	0.7	-1.2	-2.1	1.5
Jun	-0.4	4.8	-0.4	-5.1	2.2	5.4	0.9	2.1	-2.1	-0.5	-1.5
Jul	-	4.4	0.3	-6.7	3.2	4.3	1.3	2.4	-1.6	0.9	-2.6
Aug	0.7	4.9	0.5	-1.8	3.1	5.1	-	1.9	-1.2	1.6	0.7
Sep	0.6	3.2	0.1	1.6	1.8	3.7	-0.8	-0.3	-0.7	1.4	2.2
Oct	-	2.3	-0.5	1.7	0.4	3.1	-1.4	-1.0	-0.8	0.2	1.6
Nov	-0.7	-0.7	-0.8	-0.6	-0.6	-0.3	-0.6	-0.4	-1.3	-0.6	-0.8
Dec	-0.9	-1.4	-0.8	-0.9	-0.9	-0.9	1.2	0.5	-1.4	-1.4	-1.2
2019 Jan	-0.6 <sup>†</sup>	-3.3	-0.3	-0.4 <sup>†</sup>	-1.2 <sup>†</sup>	-3.4	1.7	1.3 <sup>†</sup>	-1.3	-0.7 <sup>†</sup>	-1.1 <sup>†</sup>
Feb	-0.1	-2.1 <sup>†</sup>	0.3 <sup>†</sup>	-0.8	-1.3	-2.1 <sup>†</sup>	1.4 <sup>†</sup>	1.4	-0.8	0.4	-1.1
Mar	0.9	-0.1	1.5	-1.5	-1.0	-	1.0	3.4	-0.2 <sup>†</sup>	1.6	-0.9
Apr	0.2	2.7	0.4	-2.1	-0.2	3.7	0.2	2.2	-1.6	0.9	-0.7
May	-0.3	3.0	-0.8	-0.2	1.2	3.8	0.3	0.8	-1.9	-0.9	0.7
Jun	-1.8	-0.4	-2.9	1.9	2.1	-0.7	-1.1	-3.3	-2.9	-2.5	1.0
Jul	-0.9	-1.6	-1.7	2.2	2.3	-2.3	-0.4	-2.7	-	-2.5	1.0
Aug	-0.8	-2.1	-1.1	0.2	1.2	-3.1	-1.5	-1.6	0.2	-2.0	-0.5
Sep	-0.3	1.5	-0.3	-2.4	0.6	1.5	-1.0	0.5	0.2	-1.2	-1.0
Oct	-0.7	1.5	-0.8	-1.7	0.3	1.6	-0.5	-0.5	-1.0	-0.8	-0.6
Nov	-0.6	2.2	-1.1	0.8	0.3	2.8	0.5	-0.8	-1.6	-0.8	1.2
Dec	-0.5	-2.2	-1.0	3.2	0.2	-2.5	0.4	-1.2	-1.4	-0.6	1.5
2020 Jan	-0.7	-1.8	-1.1	1.1	0.6	-2.0	-1.1	-0.6	-2.4	-0.3	0.3
Feb	-0.4	-2.6	-0.1	-2.8	0.5	-3.4	-0.9	0.5	-1.3	0.7	-2.1
Mar	-1.5	-2.1	-1.1	-5.8	0.4	-3.5	-1.1	2.7	-4.3	-0.1	-4.1
Apr	-9.0	-7.5	-10.0	-7.9	-2.9	-7.0	-9.1	0.3	-16.2	-10.6	-6.3
May	-15.5	-10.7	-18.0	-9.8	-4.6	-8.8	-16.1	-3.3	-27.3	-18.3	-8.0

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.

<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

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

continued

Seasonally adjusted 2016 = 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	119.1	22.9	54.0	8.1	47.0	55.1	
	K22B	K22P	K22T	K22X	K22Z	K239	
2015	100.8	102.3	101.5	101.4	106.6	95.5	
2016	100.0	100.0	100.0	100.0	100.0	100.0	
2017	99.7	100.1	101.1	101.4	102.6	98.2	
2018	101.4	96.9	100.7	97.6	104.9	100.9	
2019	102.6 <sup>†</sup>	95.9 <sup>†</sup>	99.8 <sup>†</sup>	100.4 <sup>†</sup>	101.9 <sup>†</sup>	104.2 <sup>†</sup>	
2019 Q1	104.4 <sup>†</sup>	97.0 <sup>†</sup>	102.7 <sup>†</sup>	103.6	108.6 <sup>†</sup>	109.1 <sup>†</sup>	
Q2	101.8	95.8	100.3	99.2 <sup>†</sup>	102.1	102.6	
Q3	102.1	96.2	99.1	96.7	98.7	104.0	
Q4	102.1	94.5	97.3	102.0	98.2	101.0	
2020 Q1	101.8	86.4	96.7	97.8	102.4	113.6	
2019 Mar	105.7 <sup>†</sup>	99.3 <sup>†</sup>	105.1 <sup>†</sup>	101.4 <sup>†</sup>	108.0 <sup>†</sup>	113.6 <sup>†</sup>	
Apr	103.5	98.2	102.5	100.9	101.9	100.8	
May	101.9	95.1	98.8	102.6	103.2	99.5	
Jun	100.0	94.1	99.4	94.1	101.3	105.6	
Jul	101.1	96.5	98.3	101.0	99.0	112.7	
Aug	102.4	94.9	99.7	97.3	98.3	100.8	
Sep	102.9	97.3	99.2	91.8	98.9	98.6	
Oct	103.3	97.0	98.9	101.9	99.9	101.1	
Nov	102.1	94.2	96.7	99.8	95.3	102.5	
Dec	100.9	92.4	96.2	104.3	99.2	99.4	
2020 Jan	101.3	90.1	97.7	100.6	102.7	105.4	
Feb	102.3	92.0	96.5	100.5	100.4	112.9	
Mar	102.0	77.2	95.8	92.5	104.2	122.5	
Apr	89.7	38.6	69.5	69.5	94.7	126.2	
May	92.4	53.8	76.7	68.4	95.7	124.1	
<b>Percentage change, latest year on previous year</b>							
2015	-0.2	-2.2	0.7	2.4	5.1	0.6	
2016	-0.8	-2.3	-1.4	-1.3	-6.2	4.7	
2017	-0.3	0.1	1.1	1.4	2.6	-1.8	
2018	1.7	-3.2	-0.4	-3.8	2.3	2.7	
2019	1.2 <sup>†</sup>	-1.1 <sup>†</sup>	-0.9 <sup>†</sup>	2.9 <sup>†</sup>	-2.9 <sup>†</sup>	3.3 <sup>†</sup>	
<b>Percentage change, latest month on same month a year ago</b>							
2018 Mar	-0.8	-2.6	-2.5	-8.2	0.7	4.6	
Apr	-1.0	-1.8	-2.0	-6.5	-1.2	1.5	
May	3.3	-2.4	0.5	-9.5	1.2	0.8	
Jun	2.2	-0.5	0.6	-5.7	2.5	6.4	
Jul	4.4	0.7	3.8	3.6	4.3	0.5	
Aug	4.3	-3.3	-1.7	1.0	-0.3	-0.6	
Sep	3.3	-5.4	-0.2	0.5	4.3	3.5	
Oct	3.0	-6.0	-1.3	-2.4	3.9	2.7	
Nov	1.5	-6.2	0.8	1.0	3.5	3.1	
Dec	2.8	-7.3	-1.9	0.9	6.4	2.7	
2019 Jan	4.7 <sup>†</sup>	-2.5 <sup>†</sup>	0.4	12.0 <sup>†</sup>	6.2 <sup>†</sup>	9.2 <sup>†</sup>	
Feb	4.3	0.3	1.7 <sup>†</sup>	16.4	5.0	5.4	
Mar	5.8	1.1	5.5	7.1	5.1	16.2	
Apr	3.3	0.6	3.4	3.6	-0.3	3.4	
May	0.3	-2.7	-2.4	8.1	-0.6	-0.8	
Jun	-2.4	-3.9	-1.6	-4.8	-3.8	-1.1	
Jul	-2.5	-3.1	-4.3	2.6	-7.1	17.3	
Aug	-0.7	-3.3	0.6	-6.3	-4.5	1.9	
Sep	1.1	1.6	-1.9	-10.7	-9.0	-2.9	
Oct	1.0	3.3	-1.8	2.7	-6.0	-2.3	
Nov	0.6	-1.2	-5.9	1.4	-10.4	-2.3	
Dec	-0.8	-2.6	-3.9	5.4	-8.3	-3.1	
2020 Jan	-2.3	-6.0	-2.9	-3.4	-5.5	-2.5	
Feb	-1.5	-4.1	-5.6	-4.5	-7.9	7.0	
Mar	-3.6	-22.2	-8.9	-8.8	-3.6	7.8	
Apr	-13.3	-60.7	-32.2	-31.1	-7.0	22.9	
May	-9.4	-43.4	-22.4	-33.3	-7.3	24.7	

<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

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

continued

Seasonally adjusted 2016 = 100

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	
Section	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
2015	K23B 98.1	K23G 102.9	K23N 100.1	K23P 104.2	K23R 100.6	K23T 96.2	K23Z 95.7	
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2017	99.6	101.4	104.9	102.7	107.2	103.1	106.7	
2018	97.5 <sup>†</sup>	99.8	119.9 <sup>†</sup>	96.6	110.3 <sup>†</sup>	101.8	105.0	
2019	94.1 <sup>†</sup>	99.4	119.8 <sup>†</sup>	98.4	103.2 <sup>†</sup>	95.9 <sup>†</sup>	101.7 <sup>†</sup>	
2019 Q1	96.2 <sup>†</sup>	101.7 <sup>†</sup>	121.9 <sup>†</sup>	98.6 <sup>†</sup>	106.8 <sup>†</sup>	98.4 <sup>†</sup>	102.5 <sup>†</sup>	
Q2	94.5	99.1	119.8	100.1	104.2	92.7	104.0	
Q3	92.8	99.0	118.4	97.8	101.8	97.3	100.6	
Q4	93.0	97.8	119.2	96.9	100.0	95.1	99.5	
2020 Q1	93.7	97.0	119.4	94.0	91.3	88.3	98.2	
2019 Mar	96.8 <sup>†</sup>	101.3 <sup>†</sup>	122.8 <sup>†</sup>	97.7 <sup>†</sup>	106.5 <sup>†</sup>	99.3 <sup>†</sup>	103.8 <sup>†</sup>	
Apr	95.2	99.0	117.6	100.7	104.7	84.2	106.2	
May	94.1	100.0	121.9	99.5	103.9	95.3	104.4	
Jun	94.3	98.2	120.0	100.2	104.0	98.7	101.4	
Jul	93.5	99.7	119.0	99.0	102.1	97.3	100.1	
Aug	92.4	98.7	117.9	97.0	102.3	98.0	101.3	
Sep	92.5	98.5	118.2	97.4	100.9	96.5	100.4	
Oct	92.6	97.2	122.1	97.1	101.4	97.2	99.6	
Nov	92.2	97.4	118.5	96.1	100.0	93.0	100.0	
Dec	94.3	98.8	116.9	97.6	98.6	95.1	98.7	
2020 Jan	95.5	98.6	118.5	95.4	95.9	94.3	99.5	
Feb	95.6	99.1	119.9	95.9	94.8	95.5	100.4	
Mar	90.1	93.3	119.9	90.8	83.1	75.0	94.8	
Apr	52.4	67.7	101.1	67.6	53.1	38.0	66.8	
May	69.4	73.4	107.7	75.9	64.2	41.7	76.0	
<b>Percentage change, latest year on previous year</b>								
2015	1.5	-0.4	-2.2	0.3	-12.8	6.2	-0.9	
2016	1.9	-2.8	-0.1	-4.1	-0.6	4.0	4.5	
2017	-0.4	1.4	4.9	2.7	7.2	3.1	6.7	
2018	-2.1	-1.6	14.3	-5.9	2.9	-1.3	-1.6	
2019	-3.5 <sup>†</sup>	-0.4	-0.1 <sup>†</sup>	1.8	-6.4 <sup>†</sup>	-5.8 <sup>†</sup>	-3.1 <sup>†</sup>	
<b>Percentage change, latest month on same month a year ago</b>								
2018 Mar	-4.4	3.8	23.6	-3.0	10.4	0.8	-1.7	
Apr	-5.5	1.7	18.7	-5.5	10.6	-1.3	3.1	
May	-2.4	-3.1	20.3	-3.4	3.2	0.1	2.2	
Jun	2.1	-0.7	11.3	-11.9	7.5	2.9	-3.0	
Jul	0.8	1.6	19.4	-9.4	2.0	-4.8	-2.6	
Aug	-1.0	0.1	15.9	-4.0	2.1	-0.5	-2.6	
Sep	-1.5	-1.3	4.7	-9.4	-2.9	-0.8	-4.8	
Oct	-2.2	-6.0	10.9	-5.5	-3.1	-9.2	0.4	
Nov	-3.4	-8.1	12.3	-5.3	-4.0	-3.7	-2.2	
Dec	-3.9	-9.7	8.3	-7.4	-5.9	-4.2	-6.9	
2019 Jan	-2.9 <sup>†</sup>	-0.8 <sup>†</sup>	2.3 <sup>†</sup>	-1.7 <sup>†</sup>	-9.2 <sup>†</sup>	-8.1 <sup>†</sup>	-5.7 <sup>†</sup>	
Feb	-0.1	-0.4	3.1	1.4	-3.9	-7.4	-3.2	
Mar	1.2	-1.0	2.0	3.0	-7.0	-3.4	-1.8	
Apr	0.4	-2.1	-0.9	4.5	-7.2	-17.7	1.0	
May	-3.9	3.0	-0.3	2.8	-5.3	-7.0	-0.9	
Jun	-5.8	-2.0	-0.1	8.2	-5.2	-2.6	-2.7	
Jul	-5.9	-1.0	-1.2	3.2	-5.9	-3.9	-4.5	
Aug	-6.0	-1.9	-2.6	1.3	-6.3	-4.4	-3.0	
Sep	-5.8	-1.6	1.5	2.4	-6.1	-5.1	-3.7	
Oct	-5.3	-0.5	1.9	-1.1	-5.6	-1.1	-5.2	
Nov	-5.5	1.9	-2.5	-1.7	-7.4	-5.1	-5.0	
Dec	-1.5	1.8	-3.6	-0.1	-8.1	-3.4	-3.0	
2020 Jan	-0.4	-2.3	-1.8	-3.5	-10.3	-3.4	-1.7	
Feb	-0.4	-3.5	-1.7	-3.3	-11.5	-2.9	-2.1	
Mar	-7.0	-7.9	-2.4	-7.0	-22.0	-24.5	-8.7	
Apr	-45.0	-31.7	-14.1	-32.9	-49.3	-54.8	-37.1	
May	-26.3	-26.6	-11.6	-23.8	-38.2	-56.3	-27.2	

<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

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

continued

Seasonally adjusted 2016 = 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	119.1	22.9	54.0	8.1	47.0		55.1
<b>Percentage change, latest month on previous month</b>							
2018 Mar	0.4	2.6	-0.9	4.7	-1.0		-2.3
Apr	0.2	-0.6	-0.5	2.9	-0.6		1.5
May	1.4	0.1	2.1	-2.6	1.7		1.0
Jun	0.7	0.2	-0.3	4.1	1.4		6.5
Jul	1.2	1.7	1.7	-0.4	1.2		-10.0
Aug	-0.5	-1.5	-3.6	5.6	-3.5		3.0
Sep	-1.3	-2.4	2.0	-1.1	5.7		2.6
Oct	0.6	-2.0	-0.4	-3.4	-2.3		2.0
Nov	-0.9	1.6	2.0	-0.8	0.1		1.3
Dec	0.4	-0.6	-2.5	0.5	1.7		-2.3
2019 Jan	1.8 <sup>†</sup>	1.1 <sup>†</sup>	0.5 <sup>†</sup>	5.3 <sup>†</sup>	0.4 <sup>†</sup>		5.5 <sup>†</sup>
Feb	0.2	-	1.6 <sup>†</sup>	1.0	0.4		-2.4
Mar	1.8	3.5	2.9	-3.7	-1.0		7.7
Apr	-2.1	-1.1	-2.5	-0.5	-5.7		-9.6
May	-1.5	-3.2	-3.6	1.7	1.3		-3.2
Jun	-1.9	-1.1	0.6	-8.3	-1.9		6.2
Jul	1.1	2.6	-1.1	7.4	-2.2		6.7
Aug	1.3	-1.7	1.5	-3.7	-0.8		-10.6
Sep	0.5	2.5	-0.5	-5.7	0.7		-2.2
Oct	0.4	-0.3	-0.3	11.1	1.0		2.6
Nov	-1.2	-2.8	-2.2	-2.1	-4.6		1.3
Dec	-1.1	-1.9	-0.5	4.5	4.0		-3.1
2020 Jan	0.3	-2.5	1.5	-3.6	3.5		6.1
Feb	1.0	2.1	-1.2	-0.1	-2.2		7.1
Mar	-0.3	-16.1	-0.8	-8.0	3.7		8.5
Apr	-12.1	-50.0	-27.4	-24.9	-9.0		3.0
May	3.0	39.4	10.3	-1.5	1.0		-1.7
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2018 Mar	-1.2	-1.8	-1.1	-9.0	1.1		4.0
Apr	-0.8	-2.7	-1.2	-8.5	1.0		4.8
May	0.5	-2.3	-1.4	-8.1	0.2		2.3
Jun	1.5	-1.6	-0.3	-7.2	0.8		2.9
Jul	3.3	-0.7	1.6	-4.1	2.6		2.6
Aug	3.6	-1.1	0.9	-0.5	2.1		2.1
Sep	4.0	-2.7	0.6	1.6	2.7		1.2
Oct	3.5	-4.9	-1.1	-0.3	2.6		1.9
Nov	2.6	-5.9	-0.2	-0.3	3.9		3.1
Dec	2.5	-6.5	-0.8	-0.2	4.6		2.8
2019 Jan	3.0 <sup>†</sup>	-5.4 <sup>†</sup>	-0.2	4.5 <sup>†</sup>	5.4		5.0 <sup>†</sup>
Feb	4.0	-3.2	0.1	9.6	5.9		5.7
Mar	4.9	-0.4	2.5 <sup>†</sup>	11.8	5.4 <sup>†</sup>		10.2
Apr	4.5	0.7	3.5	8.9	3.3		8.3
May	3.1	-0.3	2.1	6.2	1.4		6.2
Jun	0.4	-2.0	-0.3	2.2	-1.6		0.5
Jul	-1.5	-3.2	-2.8	1.9	-3.9		4.8
Aug	-1.8	-3.4	-1.8	-2.9	-5.1		5.7
Sep	-0.7	-1.6	-1.9	-4.9	-6.9		5.3
Oct	0.5	0.5	-1.0	-4.9	-6.5		-1.1
Nov	0.9	1.2	-3.2	-2.3	-8.5		-2.5
Dec	0.3	-0.2	-3.9	3.2	-8.2		-2.6
2020 Jan	-0.8	-3.3	-4.3	1.1	-8.1		-2.6
Feb	-1.5	-4.2	-4.2	-1.0	-7.2		0.5
Mar	-2.4	-10.9	-5.9	-5.6	-5.7		4.1
Apr	-6.1	-29.2	-15.5	-14.7	-6.2		12.4
May	-8.7	-42.0	-21.0	-24.4	-5.9		18.0

<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

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

continued

Seasonally adjusted 2016 = 100

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	
Section	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
<b>Percentage change, latest month on previous month</b>								
2018 Mar	-0.4	-0.8	1.7	-3.1	2.8	-3.2	-0.2	
Apr	-0.9	-1.2	-1.4	1.7	-1.5	-0.4	-0.6	
May	3.3	-4.1	3.0	0.4	-2.7	-	0.2	
Jun	2.1	3.3	-1.8	-4.4	-	-1.1	-1.1	
Jul	-0.6	0.5	0.3	3.6	-1.1	-	0.6	
Aug	-1.2	-0.1	0.6	-0.2	0.5	1.2	-0.3	
Sep	-	-0.4	-3.9	-0.6	-1.5	-0.8	-0.2	
Oct	-0.5	-2.5	3.0	3.2	-0.1	-3.5	0.8	
Nov	-0.2	-2.1	1.5	-0.5	0.6	-0.1	0.2	
Dec	-1.9	1.6	-0.3	-	-0.6	0.4	-3.3	
2019 Jan	0.2 <sup>†</sup>	3.9 <sup>†</sup>	-0.4 <sup>†</sup>	1.2 <sup>†</sup>	-0.4 <sup>†</sup>	-0.9 <sup>†</sup>	-0.5 <sup>†</sup>	
Feb	0.1	1.8	1.0	0.3	0.1	0.8	1.2	
Mar	0.9	-1.4	0.7	-1.5	-0.5	0.9	1.3	
Apr	-1.7	-2.3	-4.2	3.1	-1.7	-15.2	2.2	
May	-1.1	0.9	3.6	-1.2	-0.8	13.2	-1.7	
Jun	0.1	-1.7	-1.6	0.6	0.1	3.6	-2.8	
Jul	-0.8	1.5	-0.8	-1.1	-1.8	-1.4	-1.3	
Aug	-1.2	-1.0	-0.9	-2.0	0.2	0.7	1.2	
Sep	0.1	-0.1	0.2	0.4	-1.4	-1.5	-0.9	
Oct	0.1	-1.4	3.4	-0.4	0.5	0.6	-0.8	
Nov	-0.4	0.2	-2.9	-1.0	-1.4	-4.3	0.4	
Dec	2.2	1.5	-1.4	1.6	-1.4	2.2	-1.3	
2020 Jan	1.3	-0.3	1.4	-2.3	-2.7	-0.8	0.8	
Feb	0.1	0.5	1.1	0.5	-1.2	1.3	0.8	
Mar	-5.7	-5.8	-	-5.2	-12.3	-21.5	-5.5	
Apr	-41.9	-27.5	-15.7	-25.6	-36.2	-49.3	-29.5	
May	32.5	8.4	6.6	12.2	20.9	9.6	13.7	
<b>Percentage change, latest 3 months on same 3 months a year ago</b>								
2018 Mar	-2.6	2.6	17.2	-2.9	9.0	2.2	-0.8	
Apr	-4.1	3.0	18.9	-4.6	7.8	0.9	-0.3	
May	-4.1	0.8	20.8	-4.0	8.0	-0.1	1.1	
Jun	-1.9	-0.7	16.6	-7.0	7.1	0.5	0.7	
Jul	0.2	-0.8	16.9	-8.3	4.2	-0.7	-1.2	
Aug	0.6	0.3	15.4	-8.5	3.8	-0.9	-2.7	
Sep	-0.6	0.1	13.1	-7.7	0.3	-2.1	-3.4	
Oct	-1.5	-2.5	10.4	-6.4	-1.3	-3.6	-2.4	
Nov	-2.4	-5.2	9.3	-6.8	-3.3	-4.7	-2.3	
Dec	-3.1	-8.0	10.5	-6.1	-4.3	-5.8	-3.0	
2019 Jan	-3.4 <sup>†</sup>	-6.3 <sup>†</sup>	7.5 <sup>†</sup>	-4.8 <sup>†</sup>	-6.4 <sup>†</sup>	-5.4 <sup>†</sup>	-4.9 <sup>†</sup>	
Feb	-2.3	-3.8	4.5	-2.7	-6.4	-6.6	-5.3	
Mar	-0.6	-0.7	2.5	0.8	-6.7	-6.3	-3.6	
Apr	0.5	-1.2	1.4	3.0	-6.0	-9.5	-1.4	
May	-0.8	-0.1	0.3	3.4	-6.5	-9.4	-0.6	
Jun	-3.2	-0.4	-0.4	5.1	-5.9	-9.1	-0.9	
Jul	-5.2	-	-0.5	4.7	-5.5	-4.5	-2.7	
Aug	-5.9	-1.6	-1.3	4.2	-5.8	-3.6	-3.4	
Sep	-5.9	-1.5	-0.8	2.3	-6.1	-4.5	-3.7	
Oct	-5.7	-1.3	0.2	0.8	-6.0	-3.5	-4.0	
Nov	-5.5	-0.1	0.3	-0.2	-6.4	-3.8	-4.6	
Dec	-4.1	1.1	-1.4	-1.0	-7.0	-3.2	-4.4	
2020 Jan	-2.5	0.4	-2.7	-1.8	-8.6	-4.0	-3.3	
Feb	-0.8	-1.4	-2.4	-2.3	-10.0	-3.2	-2.3	
Mar	-2.6	-4.6	-2.0	-4.6	-14.6	-10.3	-4.2	
Apr	-17.3	-14.2	-6.0	-14.5	-27.4	-26.0	-16.2	
May	-26.0	-22.0	-9.3	-21.3	-36.4	-44.5	-24.4	

<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

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

continued

Seasonally adjusted 2016 = 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	119.1	22.9	54.0	8.1	47.0	55.1	
<b>Percentage change, latest 3 months on previous 3 months</b>							
2018 Mar	0.1	-3.8	-1.8	-6.5	0.7	-1.8	
Apr	0.6	-3.6	-1.6	-2.1	0.7	-1.1	
May	1.4	-0.9	-0.9	2.0	0.3	-0.5	
Jun	1.9	0.4	0.4	4.7	0.8	3.2	
Jul	2.7	1.3	1.9	3.4	2.2	2.0	
Aug	2.4	0.7	0.9	4.9	1.9	1.5	
Sep	1.4	-	0.4	4.8	2.2	-3.2	
Oct	-0.2	-2.5	-1.4	4.7	0.7	0.3	
Nov	-1.2	-3.6	0.6	-0.2	2.1	2.7	
Dec	-1.0	-3.2	0.2	-2.8	0.8	4.9	
2019 Jan	-0.1 <sup>†</sup>	-0.5 <sup>†</sup>	0.9	-1.4 <sup>†</sup>	1.7	3.8 <sup>†</sup>	
Feb	1.2	0.6	-0.5 <sup>†</sup>	2.6	1.4	2.0	
Mar	2.5	2.5	1.5	4.8	1.5 <sup>†</sup>	5.3	
Apr	2.0	2.6	2.1	2.0	-1.3	2.0	
May	0.6	2.1	1.2	-1.1	-3.9	-0.1	
Jun	-2.5	-1.3	-2.4	-4.3	-5.9	-6.0	
Jul	-3.2	-2.6	-4.3	-3.2	-4.8	-1.3	
Aug	-2.5	-2.5	-3.0	-4.1	-4.7	1.0	
Sep	0.4	0.4	-1.2	-2.5	-3.3	1.4	
Oct	1.9	1.2	0.5	-2.2	-2.1	-5.4	
Nov	1.6	1.0	-0.9	0.4	-1.5	-5.3	
Dec	-	-1.8	-1.8	5.5	-0.6	-2.9	
2020 Jan	-1.4	-4.3	-2.4	4.7	-	2.2	
Feb	-1.2	-4.8	-1.5	4.0	2.7	5.1	
Mar	-0.3	-8.5	-0.6	-4.1	4.3	12.5	
Apr	-3.4	-24.9	-9.9	-13.9	0.7	17.7	
May	-6.7	-38.2	-16.7	-24.6	-2.6	17.4	

<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

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

continued

Seasonally adjusted 2016 = 100

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	
Section	CG	CH	CI	CJ	CK	CL	CM	
Latest weight	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
<b>Percentage change, latest 3 months on previous 3 months</b>								
2018 Mar	-3.3	-2.6	8.7	-6.2	1.9	0.8	-0.8	
Apr	-4.2	-2.1	5.6	-6.5	-1.6	0.2	-2.3	
May	-2.0	-3.8	3.7	-5.2	-1.8	-2.4	-2.0	
Jun	0.8	-2.9	1.2	-2.5	-3.3	-2.9	-1.3	
Jul	3.8	-2.8	1.5	-1.3	-3.2	-2.1	-0.8	
Aug	3.2	0.3	0.1	-1.3	-2.8	-0.8	-0.9	
Sep	1.0	1.0	-0.9	0.4	-2.1	-0.2	-0.4	
Oct	-1.1	0.1	-1.5	1.3	-1.2	-0.9	-0.2	
Nov	-1.4	-2.7	-1.0	2.4	-1.4	-2.4	0.3	
Dec	-1.7	-3.7	1.3	2.3	-0.8	-3.6	-0.5	
2019 Jan	-1.8 <sup>†</sup>	-1.6 <sup>†</sup>	1.8 <sup>†</sup>	1.8	-0.5 <sup>†</sup>	-2.8 <sup>†</sup>	-1.8 <sup>†</sup>	
Feb	-2.1	2.5	1.7	1.6 <sup>†</sup>	-0.5	-1.2	-2.9	
Mar	-0.8	5.1	0.8	0.7	-0.7	0.2	-1.4	
Apr	-0.4	3.2	-0.3	1.1	-1.3	-4.1	1.4	
May	-0.5	-0.2	-0.5	0.7	-2.0	-5.3	2.9	
Jun	-1.7	-2.6	-1.7	1.6	-2.5	-5.8	1.4	
Jul	-2.1	-1.7	-0.4	0.4	-2.6	3.3	-2.1	
Aug	-2.1	-1.2	-1.5	-0.6	-2.1	5.5	-3.7	
Sep	-1.8	-0.1	-1.2	-2.3	-2.3	4.9	-3.2	
Oct	-1.6	-1.2	-0.7	-2.4	-1.7	0.1	-1.5	
Nov	-1.0	-1.2	0.5	-1.9	-2.0	-2.5	-0.9	
Dec	0.2	-1.2	0.7	-0.9	-1.7	-2.3	-1.2	
2020 Jan	1.6	0.1	-1.2	-0.9	-3.3	-3.2	-1.0	
Feb	2.9	1.2	-1.0	-0.6	-4.3	-0.6	-0.5	
Mar	0.7	-0.8	0.2	-3.0	-8.7	-7.2	-1.2	
Apr	-15.6	-11.8	-3.7	-12.0	-21.6	-26.1	-12.2	
May	-25.8	-21.0	-7.5	-18.9	-30.8	-45.7	-20.4	

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



**Next publication:** 12 August 2020

**Issued by:** Office for National Statistics, Government Buildings, Cardiff Road, Newport NP10 8XG

**Media contact:**

Tel: Media Relations Office +44 (0) 845 6041858

Emergency on-call +44 (0) 7867 906553

Email: [press.office@ons.gsi.gov.uk](mailto:press.office@ons.gsi.gov.uk)

**Statistical contact:**

Name: Mark Stephens

Tel: Mark Stephens +44 (0) 1633 456387

Email: [indexofproduction@ons.gsi.gov.uk](mailto:indexofproduction@ons.gsi.gov.uk)

**Contact us:**

Tel: +44 (0) 845 601 3034

Email: [info@ons.gsi.gov.uk](mailto:info@ons.gsi.gov.uk)

Website: [www.statistics.gov.uk](http://www.statistics.gov.uk)

Twitter: [www.twitter.com/statisticsONS](https://www.twitter.com/statisticsONS)