

Statistical bulletin

Index of Production, UK: March 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.



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1 . Main points

- Production output fell by 4.2% between February 2020 and March 2020, with manufacturing providing the largest downward contribution, falling by 4.6%; there were also falls from mining and quarrying (11.5%), electricity and gas (1.5%) and water and waste (0.5%).
- The monthly decrease of 4.6% in manufacturing output was led by transport equipment, which fell by 20.5%, with the motor vehicles, trailers and semi-trailers industry falling by a record 34.3%; of the 13 subsectors, 10 displayed downward contributions, indicating that overall weakness was widespread.
- Total production output decreased by 2.1% for Quarter 1 (Jan to Mar) 2020, compared with Quarter 4 (Oct to Dec) 2019; this was led by manufacturing output, which fell by 1.7%.
- The quarterly fall in manufacturing is because of widespread weakness, with 9 of the 13 subsectors providing downward contributions; this was led by transport equipment which fell by 9.9%.
- For Quarter 1 2020, production output decreased by 4.9%, compared with Quarter 1 2019; this was led by a fall in manufacturing of 6.0% where 12 of the 13 subsectors displayed downward contributions.
- The coronavirus (COVID-19) had a strong negative impact on our estimates of monthly, three monthly and three monthly on a year ago growth for March 2020; 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: March 2020, published today \(13 May 2020\)](#).

2 . Changes to this bulletin

We have changed the format for the Index of Services and the Index of Production statistical bulletins.

Monthly, three monthly and quarterly growth rates will be discussed in detail in [GDP monthly estimate, UK: March 2020](#). In fulfilment of the commitment made in [Meeting the challenge of measuring the economy through the COVID-19 Pandemic](#), we have published an article on [Coronavirus and the impact on output in the UK economy, UK: March 2020](#), which will discuss monthly movements in output in services, production and construction.

Please see [COVID-19 and the production of statistics](#) for further information on how the Office for National Statistics (ONS) is working to ensure that the UK has the vital information needed to respond to the impact of the coronavirus (COVID-19) pandemic on our economy and society.

3 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 13 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.

[Output of the production industries](#)

Dataset | Released 13 May 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 13 May 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 13 May 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 13 May 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.

4 . Glossary

Index number

The index number is a measure of the average level of prices, quantities or other measurable characteristics relative to their level for a defined time period or location.

Industrial classification or breakdown

The industrial classification or breakdown is the internationally standardised method for classifying the wide range of industrial sectors in an economy. We use the [Standard Industrial Classification 2007 \(SIC 2007\)](#) for industrial breakdowns.

Manufacturing

The manufacturing sector includes the output of manufacturing industries and is broken down into 13 subsectors.

Monthly Business Survey

The Monthly Business Survey (MBS) collects information on the monthly turnover of UK businesses within the production and services sectors from various industrial sectors and regions in the UK.

Production

The production sector includes the output in the manufacturing (the largest component of production), mining and quarrying, energy supply, and water supply and waste management industries.

Turnover

The turnover of a company is the value of the goods or services sold during a particular time period. It includes total takings or invoiced sales and receipts. Interest and similar income, other operating income, and extra ordinary income is excluded. Value Added Tax (VAT) invoiced to the customer is excluded.

5 . 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 webpage](#). This will be the hub for all special COVID-19-related publications, including the fortnightly Business Impact on 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](#).

6 . Strengths and limitations

Seasonal adjustment

The data published in the Index of Production (IoP) release are all seasonally adjusted (although non-seasonally adjusted estimates are also available). This aids interpretation by removing annually recurring fluctuations, for example, those caused by holidays or other seasonal patterns.

Data volatility

Care should be taken when using the month-on-month growth rates as data can be volatile. Longer-term growth rates and examination of the time series allow for better interpretation of the statistics.

Comparability with UK trade statistics

The [Monthly Business Survey \(MBS\) turnover in production industries dataset](#) produces the proportion of turnover from exports by industry and level of turnover and exports (British pounds, millions). However, this is not always comparable with UK trade statistics. Further information on UK trade and how data on it are compiled can be found in the [UK trade release](#).

7 . Related links

[Coronavirus and the impact on output in the UK economy: March 2020](#)

Article | Released 13 May 2020

Analysis of monthly growth for the production, services and construction industries in the UK economy between February 2020 and March 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: March 2020](#)

Bulletin | Released 13 May 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: March 2020](#)

Bulletin | Released 22 April 2020

The corresponding price indices used to deflate the Index of Production 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: March 2020](#)

Bulletin | Released 26 March 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.

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IOP5 Output of the production industries

Chained volume indices of gross value added¹

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	101.1	106.8	101.4	94.1	103.9	109.2	116.5	102.4	102.7	99.0	98.3
2019 Q1	102.9	107.1	104.1	93.5	101.9	109.9	118.0	105.4	105.5	101.6	98.1
Q2	100.8	106.3	101.0	94.7	103.3	108.7	116.5	101.8	102.1	99.1	98.2
Q3	100.7	108.4	100.7	93.2	105.0	110.9	115.5	101.9	102.3	98.0	98.2
Q4	99.9	105.5	99.6	94.9	105.3	107.3	116.1	100.6	100.8	97.3	98.8
2020 Q1	97.8	99.9	97.9	89.4	105.9	99.8	114.9	102.5	95.4	97.0	94.0
2019 Jan	102.5	105.2	103.3	96.4	102.0	106.8	116.8	104.0	104.8	101.0	99.6
Feb	102.7	107.5	104.0	92.4	101.6	110.4	118.4	104.1	105.6	102.1	97.4
Mar	103.5	108.7	105.1	91.8	102.0	112.4	118.8	107.9	106.1	101.6	97.4
Apr	100.1	105.5	100.4	94.7	101.4	107.7	115.2	103.1	98.9	99.6	97.7
May	101.1	106.8	101.3	94.7	104.1	109.4	118.4	100.7	103.6	99.0	98.5
Jun	101.1	106.5	101.3	94.8	104.4	109.1	115.9	101.7	103.8	98.5	98.4
Jul	101.0	105.8	101.4	94.0	104.0	107.8	115.8	103.7	102.4	98.4	98.0
Aug	100.4	106.1	100.6	92.8	105.2	107.7	115.2	101.3	102.7	97.9	97.3
Sep	100.5	113.2	100.1	92.7	105.9	117.3	115.4	100.7	101.8	97.9	99.3
Oct	100.7	105.9	100.6	95.3	104.8	107.6	118.6	101.4	102.6	97.7	99.0
Nov	99.6	106.6	99.1	95.6	105.1	108.5	115.5	100.9	99.7	106.5	99.4
Dec	99.4	103.9	99.1	93.8	106.1	105.8	114.1	99.5	100.0	97.6	97.9
2020 Jan	99.3 [†]	104.2 [†]	99.3 [†]	90.5 [†]	107.3 [†]	105.0 [†]	115.5 [†]	100.7 [†]	98.9 [†]	98.5 [†]	95.5 [†]
Feb	99.2	103.7	99.5	89.4	105.5	104.2	116.9	102.3	98.7	98.0	95.0
Mar	95.0	91.9	94.9	88.1	104.9	90.4	112.3	104.4	88.7	94.5	91.4
Percentage change, latest year on previous year											
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	-1.4	-0.3	-1.7	-2.7	1.4	-	0.8	2.1	-4.7	-1.7	-1.6
Percentage change, latest month on same month a year ago											
2018 Jan	0.6	1.9	1.9	-5.4	-4.2	2.6	10.3	-2.4	7.1	0.3	-3.5
Feb	1.7	3.1	2.1	3.6	-4.4	4.9	10.4	1.9	4.8	-0.2	2.6
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	-0.7	1.1	2.3	1.0	2.0	6.0	-5.7	-0.7	2.0
Feb	-0.2	4.8	0.5	-8.7	2.0	6.5	3.5	4.8	-4.0	1.5	-3.8
Mar	0.7	9.2	1.9	-11.4	0.9	12.0	2.4	9.1	-3.1	1.7	-4.6
Apr	-2.1	-2.5	-2.2	-4.1	1.0	-3.3	0.4	3.9	-8.6	-	-3.6
May	-0.8	0.4	-1.7	3.2	2.2	1.3	0.9	0.2	-4.3	-0.9	2.1
Jun	-1.8	0.1	-2.4	0.6	-0.2	1.8	-0.1	-1.3	-3.1	-2.5	-0.1
Jul	-2.1	-4.8	-2.0	-3.3	-0.2	-5.4	-0.3	2.6	-4.4	-3.5	-3.9
Aug	-2.5	-5.3	-2.6	-4.3	1.1	-6.3	-0.5	1.2	-4.9	-3.3	-4.3
Sep	-2.0	4.9	-2.8	-2.3	1.6	6.8	2.0	0.1	-4.2	-3.7	0.1
Oct	-1.7	-4.9	-1.9	-0.9	1.0	-6.1	2.6	0.4	-2.9	-3.0	-1.7
Nov	-2.5	-1.3	-3.4	-0.1	1.9	-1.9	-1.4	-0.6	-5.9	-3.3	-0.2
Dec	-2.1	-3.2	-2.9	-0.8	3.1	-4.3	-2.1	-1.3	-4.8	-2.4	-0.9
2020 Jan	-3.1 [†]	-0.9 [†]	-3.9 [†]	-6.1 [†]	5.2 [†]	-1.8 [†]	-1.1 [†]	-3.2 [†]	-5.6 [†]	-2.5 [†]	-4.1 [†]
Feb	-3.4	-3.5	-4.3	-3.2	3.8	-5.6	-1.3	-1.8	-6.5	-4.0	-2.4
Mar	-8.2	-15.5	-9.7	-3.9	2.9	-19.6	-5.5	-3.3	-16.4	-7.0	-6.2

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 2016 = 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	47.5	748.5	108.7	95.3	34.6	68.2	211.6	272.3	252.2	182.5	
Percentage change, latest month on previous month												
2018 Jan	-0.1	19.7	-0.1	-5.2	-2.1	29.4	4.6	-1.0	2.1	-2.0	0.9	
Feb	0.2	-1.7	-0.5	6.1	-0.1	-2.0	-0.1	1.2	-1.0	-1.2	3.6	
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	1.2	2.0	-0.9	-3.3	0.2	3.1	-0.2	1.0	0.8	
Feb	0.2	2.2	0.7	-4.2	-0.4	3.3	1.4	0.2	0.7	1.0	-2.3	
Mar	0.8	1.1	1.0	-0.6	0.4	1.8	0.4	3.6	0.5	-0.4	-	
Apr	-3.3	-2.9	-4.5	3.2	-0.6	-4.2	-3.1	-4.5	-6.8	-2.0	0.3	
May	1.0	1.3	0.9	-	2.7	1.6	2.8	-2.3	4.8	-0.6	0.9	
Jun	-	-0.3	-	0.2	0.3	-0.3	-2.1	0.9	0.2	-0.5	-0.1	
Jul	-0.1	-0.7	0.1	-0.8	-0.4	-1.2	-0.1	2.1	-1.4	-0.2	-0.5	
Aug	-0.6	0.3	-0.8	-1.3	1.1	-0.1	-0.5	-2.3	0.3	-0.5	-0.7	
Sep	-	6.7	-0.5	-0.1	0.7	8.9	0.2	-0.6	-0.9	-	2.1	
Oct	0.2	-6.4	0.5	2.8	-1.1	-8.2	2.8	0.7	0.8	-0.2	-0.3	
Nov	-1.0	0.6	-1.5	0.3	0.3	0.8	-2.6	-0.5	-2.8	-1.0	0.4	
Dec	-0.2	-2.5	0.1	-1.8	0.9	-2.5	-1.2	-1.4	0.3	1.0	-1.5	
2020 Jan	-0.1 [†]	0.4 [†]	0.1 [†]	-3.5 [†]	1.2	-0.8 [†]	1.2 [†]	1.1 [†]	-1.1 [†]	0.9 [†]	-2.4 [†]	
Feb	-0.1	-0.5	0.3	-1.2	-1.7 [†]	-0.7	1.2	1.6	-0.2	-0.5	-0.5	
Mar	-4.2	-11.5	-4.6	-1.5	-0.5	-13.3	-3.9	2.1	-10.2	-3.6	-3.8	
Percentage change, latest 3 months on same 3 months a year ago												
2018 Jan	1.1	-1.6	2.3	-3.4	-1.5	-3.0	6.3	-1.8	6.6	1.6	-3.3	
Feb	0.9	-2.9	1.8	-0.4	-2.9	-4.2	8.1	-1.5	5.8	0.5	-1.5	
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	-1.2	-2.5	1.6	10.3	6.3	3.1	-3.4	-2.5	1.1	
Feb	-0.5	8.8	-0.8	-4.6	1.8	12.5	4.0	4.2	-4.4	-0.9	-	
Mar	0.1	4.9	0.5	-6.5	1.7	6.4	2.6	6.6	-4.3	0.9	-2.2	
Apr	-0.5	3.7	0.1	-8.1	1.3	4.8	2.1	5.9	-5.2	1.1	-4.0	
May	-0.7	2.2	-0.7	-4.4	1.3	3.0	1.2	4.4	-5.3	0.3	-2.1	
Jun	-1.6	-0.7	-2.1	-0.2	1.0	-0.1	0.4	0.9	-5.3	-1.2	-0.6	
Jul	-1.6	-1.5	-2.1	0.1	0.6	-0.9	0.2	0.5	-3.9	-2.3	-0.7	
Aug	-2.1	-3.4	-2.3	-2.4	0.2	-3.4	-0.3	0.8	-4.1	-3.1	-2.8	
Sep	-2.2	-1.8	-2.5	-3.3	0.8	-1.8	0.4	1.3	-4.5	-3.5	-2.7	
Oct	-2.1	-1.9	-2.4	-2.5	1.2	-2.0	1.4	0.6	-4.0	-3.3	-2.0	
Nov	-2.0	-0.5	-2.7	-1.1	1.5	-0.5	1.0	-	-4.3	-3.3	-0.6	
Dec	-2.1	-3.1	-2.7	-0.6	2.0	-4.1	-0.3	-0.5	-4.5	-2.9	-0.9	
2020 Jan	-2.6 [†]	-1.8 [†]	-3.4 [†]	-2.4 [†]	3.4	-2.7 [†]	-1.5	-1.7	-5.4 [†]	-2.7	-1.7 [†]	
Feb	-2.9	-2.5	-3.7	-3.4	4.0 [†]	-3.9	-1.5 [†]	-2.1	-5.6	-3.0 [†]	-2.5	
Mar	-4.9	-6.7	-6.0	-4.4	4.0	-9.1	-2.6	-2.8	-9.5	-4.5	-4.2	

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 2016 = 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	MIG-CAG	MIG-IG	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

Percentage change, latest 3 months on previous 3 months

2018 Jan	0.4	-4.6	0.9	-	-0.4	-6.2	3.8	0.1	1.7	0.9	-1.6
Feb	-0.1	-8.2	0.5	1.1	-1.5	-10.5	5.7	-0.3	2.1	-0.8	-1.5
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	-0.5	-3.3	-0.3	-0.5	-1.3	-3.4	1.7	1.5	-1.3	-0.8	-1.2
Feb	-0.1	-2.2	0.4	-1.2	-1.5	-2.2	1.6	1.9	-0.8	0.3	-1.3
Mar	0.9	-1.6	1.7	-2.1	-1.4	-1.8	1.3	4.2	-0.1	1.4	-1.6
Apr	-	0.4	0.5	-2.8	-1.0	0.8	0.5	2.9	-1.7	0.8	-1.9
May	-0.7	0.3	-0.9	-0.8	0.3	0.5	0.2	0.9	-2.2	-0.9	-0.7
Jun	-2.1	-0.7	-3.0	1.3	1.4	-1.0	-1.3	-3.4	-3.2	-2.5	0.1
Jul	-1.0	-0.8	-1.8	1.7	2.5	-1.3	-0.6	-2.9	-0.2	-2.4	0.8
Aug	-0.7	-0.8	-1.1	0.2	2.0	-1.5	-1.5	-1.6	0.1	-1.8	-
Sep	-0.1	2.0	-0.3	-1.6	1.7	2.0	-0.9	0.1	0.2	-1.0	-
Oct	-0.5	1.9	-0.9	-1.0	1.0	1.9	-0.3	-0.9	-0.9	-0.8	0.2
Nov	-0.6	2.3	-1.1	0.7	0.7	2.7	0.8	-1.2	-1.5	-0.9	1.4
Dec	-0.7	-2.7	-1.1	1.8	0.3	-3.3	0.5	-1.3	-1.5	-0.8	0.6
2020 Jan	-1.1 [†]	-3.3 [†]	-1.3 [†]	-0.3 [†]	0.8 [†]	-4.0 [†]	-1.2 [†]	-0.8	-2.8 [†]	-0.2	-0.9 [†]
Feb	-0.9	-4.3	-0.6	-3.5	1.0	-5.5	-0.9	-0.2	-2.1	0.7 [†]	-3.1
Mar	-2.1	-5.2	-1.7	-5.8	0.5	-6.9	-1.1	1.8	-5.3	-0.3	-4.9

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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 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	102.7	95.2	99.3	97.5	102.2	106.5	
2019 Q1	104.6	96.6	102.3	103.6	109.3	111.6	
Q2	101.8	94.7	99.6	94.7	102.4	106.0	
Q3	102.2	95.5	98.7	93.3	99.0	105.8	
Q4	102.1	93.8	96.6	98.4	98.4	102.7	
2020 Q1	101.9	84.4	96.0	94.4	101.7	112.1	
2019 Jan	103.9	94.5	100.6	103.9	108.8	110.2	
Feb	104.0	96.5	102.4	106.7	109.1	109.0	
Mar	106.0	98.9	103.8	100.1	110.0	115.5	
Apr	103.4	96.8	101.9	95.9	102.0	106.3	
May	101.8	94.0	98.2	98.0	103.5	102.4	
Jun	100.1	93.3	98.7	90.2	101.6	109.3	
Jul	101.1	95.5	98.5	94.5	99.4	115.2	
Aug	102.4	94.4	99.2	90.6	98.4	103.8	
Sep	103.1	96.5	98.5	94.6	99.1	98.4	
Oct	103.3	95.6	98.1	98.8	99.9	102.6	
Nov	102.1	94.2	96.0	97.9	95.7	104.8	
Dec	100.9	91.7	95.7	98.4	99.5	100.7	
2020 Jan	101.3 [†]	88.8	97.1 [†]	95.2 [†]	102.4 [†]	105.2 [†]	
Feb	102.2	90.3 [†]	96.2	96.2	99.9	109.6	
Mar	102.4	73.9	94.8	91.8	102.9	121.5	
Percentage change, latest year on previous year							
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	1.3	-1.8	-1.4	-0.1	-2.6	5.6	
Percentage change, latest month on same month a year ago							
2018 Jan	-2.2	1.0	-1.6	-8.2	-1.0	-0.8	
Feb	-0.7	-3.7	1.0	-10.7	3.6	8.5	
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	5.0	-3.9	0.4	11.7	6.4	11.2	
Feb	4.5	0.9	1.9	18.1	5.1	8.9	
Mar	6.0	0.8	4.1	5.7	6.9	18.1	
Apr	3.2	-0.8	2.7	-1.5	-0.2	7.0	
May	0.2	-3.9	-3.1	3.2	-0.3	2.1	
Jun	-2.3	-4.7	-2.3	-8.7	-3.5	2.3	
Jul	-2.4	-4.0	-4.1	-3.9	-6.8	19.9	
Aug	-0.7	-3.8	0.2	-12.7	-4.3	4.9	
Sep	1.4	0.8	-2.5	-7.9	-8.8	-3.1	
Oct	1.0	1.8	-2.6	-0.5	-6.0	-0.9	
Nov	0.6	-1.3	-6.5	-0.6	-10.0	-0.1	
Dec	-0.9	-3.3	-4.4	-0.5	-8.1	-1.8	
2020 Jan	-2.5 [†]	-6.0	-3.5 [†]	-8.4 [†]	-5.8 [†]	-4.5 [†]	
Feb	-1.7	-6.4 [†]	-6.3	-9.9	-8.5	0.5	
Mar	-3.4	-25.3	-8.6	-8.3	-6.4	5.2	

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

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	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
2015	98.1	102.9	100.1	104.2	100.6	96.2	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	99.8	119.9	96.6	110.3	101.8	105.0	
2019	93.9	99.4	120.3	98.4	102.9	95.2	101.8	
2019 Q1	95.7	101.6	122.5	99.0	106.4	98.2	102.9	
Q2	94.2	99.0	120.2	100.1	104.0	91.8	104.3	
Q3	92.8	99.2	118.9	97.9	101.5	96.5	100.8	
Q4	93.0	97.9	119.7	96.5	99.7	94.3	99.5	
2020 Q1	94.1	97.4	119.8	91.9	91.8	85.0	98.1	
2019 Jan	95.5	100.6	121.2	98.8	106.4	97.7	101.7	
Feb	95.6	103.0	123.2	98.4	106.5	97.9	102.8	
Mar	96.0	101.1	123.1	99.8	106.3	99.1	104.1	
Apr	94.9	98.9	118.2	100.6	104.4	83.5	106.3	
May	93.8	100.0	122.2	99.5	103.6	94.3	104.7	
Jun	93.9	98.3	120.3	100.2	103.8	97.8	101.8	
Jul	93.3	99.9	119.3	99.1	101.5	96.4	100.3	
Aug	92.3	98.9	118.3	97.1	102.2	97.2	101.5	
Sep	92.8	98.7	118.9	97.5	100.9	95.8	100.5	
Oct	92.4	97.2	122.9	97.3	101.0	96.6	99.4	
Nov	92.2	97.2	118.8	96.2	99.6	92.1	100.1	
Dec	94.4	99.2	117.2	96.1	98.5	94.3	99.0	
2020 Jan	95.8 [†]	98.7 [†]	118.9 [†]	93.8 [†]	96.4 [†]	91.6 [†]	99.3 [†]	
Feb	95.9	99.0	120.3	94.2	94.9	91.0	99.8	
Mar	90.5	94.4	120.1	87.7	83.9	72.4	95.2	
Percentage change, latest year on previous year								
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	-3.7	-0.4	0.4	1.8	-6.7	-6.5	-3.0	
Percentage change, latest month on same month a year ago								
2018 Jan	-0.7	0.7	13.5	-0.4	14.2	2.6	1.4	
Feb	-2.5	3.4	14.8	-5.3	2.7	3.1	-2.2	
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	-3.2	-1.2	2.6	-1.8	-9.6	-8.0	-5.2	
Feb	-0.6	-0.2	4.1	0.6	-4.3	-7.8	-2.9	
Mar	0.3	-1.2	2.3	5.3	-7.2	-3.6	-1.6	
Apr	0.1	-2.3	-0.4	4.4	-7.4	-18.5	1.1	
May	-4.3	3.1	-0.1	2.8	-5.5	-7.9	-0.6	
Jun	-6.2	-2.0	0.1	8.2	-5.4	-3.5	-2.4	
Jul	-6.2	-0.8	-0.9	3.2	-6.5	-4.8	-4.3	
Aug	-6.1	-1.7	-2.3	1.4	-6.4	-5.2	-2.9	
Sep	-5.5	-1.5	2.2	2.4	-6.2	-5.8	-3.6	
Oct	-5.5	-0.4	2.6	-0.9	-5.9	-1.6	-5.4	
Nov	-5.5	1.7	-2.3	-1.6	-7.7	-6.1	-4.9	
Dec	-1.3	2.1	-3.3	-1.7	-8.2	-4.1	-2.7	
2020 Jan	0.3 [†]	-1.9 [†]	-1.9 [†]	-5.0	-9.4 [†]	-6.2 [†]	-2.3 [†]	
Feb	0.4	-3.9	-2.3	-4.3 [†]	-10.9	-7.1	-3.0	
Mar	-5.7	-6.6	-2.5	-12.2	-21.1	-27.0	-8.5	

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IOP5 Output of the production industries

Chained volume indices of gross value added¹

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	
Percentage change, latest month on previous month							
2018 Jan	-0.1	-3.9	-1.7	-5.2	0.5	-0.7	
Feb	0.6	-2.7	0.3	-2.8	1.6	1.1	
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	2.1	-0.4	0.5	5.0	0.5	7.5	
Feb	0.1	2.2	1.8	2.7	0.4	-1.1	
Mar	1.9	2.5	1.3	-6.2	0.7	6.0	
Apr	-2.4	-2.1	-1.8	-4.1	-7.3	-8.0	
May	-1.6	-3.0	-3.6	2.1	1.5	-3.7	
Jun	-1.7	-0.6	0.5	-7.9	-1.9	6.7	
Jul	1.1	2.3	-0.2	4.8	-2.2	5.5	
Aug	1.2	-1.2	0.8	-4.1	-0.9	-9.9	
Sep	0.8	2.3	-0.7	4.4	0.7	-5.2	
Oct	0.2	-1.0	-0.4	4.4	0.8	4.3	
Nov	-1.2	-1.5	-2.1	-0.9	-4.2	2.1	
Dec	-1.2	-2.6	-0.3	0.6	3.9	-3.9	
2020 Jan	0.4 [†]	-3.2	1.5 [†]	-3.3 [†]	3.0 [†]	4.5 [†]	
Feb	0.9	1.7 [†]		-1.1	-2.5	4.2	
Mar	0.2	-18.2	-1.3	-4.6	3.1	10.9	
Percentage change, latest 3 months on same 3 months a year ago							
2018 Jan	-0.7	4.1	0.5	-6.9	1.4	-5.2	
Feb	-1.4	0.9	-	-7.6	1.2	-2.7	
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	3.1	-5.8	-0.2	4.4	5.4	5.6	
Feb	4.1	-3.5	0.1	10.0	5.9	7.6	
Mar	5.2	-0.8	2.1	11.7	6.1	12.7	
Apr	4.6	0.3	2.9	7.2	3.9	11.3	
May	3.1	-1.3	1.2	2.4	2.1	9.0	
Jun	0.4	-3.1	-0.9	-2.4	-1.4	3.8	
Jul	-1.5	-4.2	-3.2	-3.2	-3.6	7.8	
Aug	-1.8	-4.2	-2.1	-8.5	-4.9	8.8	
Sep	-0.6	-2.4	-2.2	-8.3	-6.7	7.0	
Oct	0.5	-0.4	-1.7	-7.1	-6.4	0.3	
Nov	1.0	0.4	-3.9	-3.1	-8.3	-1.3	
Dec	0.2	-0.9	-4.5	-0.5	-8.0	-0.9	
2020 Jan	-1.0	-3.5	-4.9	-3.2 [†]	-8.0 [†]	-2.2	
Feb	-1.7	-5.2 [†]	-4.8 [†]	-6.4	-7.5	-2.0 [†]	
Mar	-2.6	-12.7	-6.2	-8.9	-6.9	0.5	

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

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	56.4	82.3	51.6	19.4	58.1	108.5	66.1	
Percentage change, latest month on previous month								
2018 Jan	-0.9	-5.5	5.5	-4.6	3.2	3.3	-1.8	
Feb	-2.6	1.4	0.2	-2.8	-5.4	0.1	-1.3	
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	3.5	-0.1	1.1	-0.9	-0.7	-0.1	
Feb	-	2.4	1.7	-0.4	0.1	0.2	1.1	
Mar	0.5	-1.8	-0.1	1.5	-0.2	1.2	1.2	
Apr	-1.1	-2.3	-4.0	0.7	-1.8	-15.8	2.2	
May	-1.2	1.2	3.4	-1.1	-0.7	13.0	-1.5	
Jun	0.1	-1.7	-1.6	0.7	0.2	3.7	-2.8	
Jul	-0.6	1.7	-0.8	-1.1	-2.2	-1.3	-1.4	
Aug	-1.1	-1.0	-0.9	-2.0	0.7	0.7	1.1	
Sep	0.6	-0.2	0.5	0.4	-1.3	-1.4	-0.9	
Oct	-0.5	-1.5	3.4	-0.2	0.2	0.8	-1.1	
Nov	-0.1	-	-3.4	-1.1	-1.4	-4.7	0.7	
Dec	2.4	2.0	-1.3	-0.1	-1.1	2.5	-1.0	
2020 Jan	1.5	-0.5 [†]	1.4 [†]	-2.3	-2.1 [†]	-2.9 [†]	0.3 [†]	
Feb	0.1 [†]	0.3	1.2	0.4 [†]	-1.6	-0.7	0.4	
Mar	-5.6	-4.6	-0.2	-6.9	-11.6	-20.5	-4.6	
Percentage change, latest 3 months on same 3 months a year ago								
2018 Jan	0.1	3.0	8.0	0.4	11.9	1.8	6.2	
Feb	-1.1	2.5	10.4	-1.0	9.0	2.5	1.9	
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	-3.5	-6.4	7.6	-4.9	-6.5	-5.3	-4.8	
Feb	-2.5	-3.8	5.0	-3.0	-6.7	-6.7	-5.0	
Mar	-1.2	-0.8	3.0	1.3	-7.1	-6.5	-3.3	
Apr	-	-1.2	2.0	3.4	-6.3	-9.9	-1.1	
May	-1.3	-0.2	0.6	4.1	-6.7	-10.0	-0.4	
Jun	-3.5	-0.4	-0.1	5.1	-6.1	-10.0	-0.6	
Jul	-5.5	0.1	-0.3	4.7	-5.8	-5.4	-2.4	
Aug	-6.1	-1.5	-1.0	4.2	-6.1	-4.5	-3.2	
Sep	-5.9	-1.3	-0.4	2.3	-6.3	-5.3	-3.6	
Oct	-5.7	-1.2	0.8	0.9	-6.1	-4.2	-4.0	
Nov	-5.5	-0.1	0.8	-	-6.6	-4.5	-4.6	
Dec	-4.1	1.1	-1.0	-1.4	-7.3	-3.9	-4.4	
2020 Jan	-2.2	0.6 [†]	-2.5 [†]	-2.8 [†]	-8.5 [†]	-5.5 [†]	-3.3 [†]	
Feb	-0.2 [†]	-1.3	-2.5	-3.6	-9.5	-5.8	-2.7	
Mar	-1.7	-4.1	-2.2	-7.2	-13.8	-13.5	-4.6	

[†] 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 2016 = 100

Section	Manufacturing sub-sectors						Basic pharmaceutical products and preparations
	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		
	CA	CB	CC	CD	CE	CF	
Latest weight	119.1	22.9	54.0	8.1	47.0	55.1	
Percentage change, latest 3 months on previous 3 months							
2018 Jan	0.4	–	–	–6.0	–1.0	0.8	
Feb	–0.1	–2.1	–0.8	–6.6	–0.5	–0.5	
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	–	–1.0	0.9	–1.5	1.7	4.5	
Feb	1.4	0.3	–0.4	3.0	1.4	3.8	
Mar	2.7	2.0	1.1	4.7	2.2	7.7	
Apr	2.1	2.7	1.5	0.5	–0.7	4.2	
May	0.5	1.4	0.2	–5.0	–3.3	0.8	
Jun	–2.7	–2.0	–2.6	–8.6	–6.3	–5.0	
Jul	–3.3	–3.2	–4.1	–6.6	–5.2	–1.2	
Aug	–2.5	–2.2	–2.5	–6.3	–5.1	1.3	
Sep	0.4	0.8	–0.9	–1.5	–3.3	–0.2	
Oct	1.9	1.3	0.1	0.5	–2.3	–6.8	
Nov	1.6	1.1	–1.3	5.8	–1.5	–6.9	
Dec	–0.1	–1.7	–2.2	5.5	–0.6	–2.9	
2020 Jan	–1.5	–4.1	–2.4	2.6 [†]	0.1 [†]	1.9	
Feb	–1.4 [†]	–5.4 [†]	–1.3 [†]	–0.5	2.4	3.2 [†]	
Mar	–0.1	–10.1	–0.6	–4.1	3.4	9.2	

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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	
Percentage change, latest 3 months on previous 3 months								
2018 Jan	0.1	2.4	4.5	0.2	4.8	-0.9	0.9	
Feb	-2.1	1.0	6.4	-2.7	2.8	0.8	0.2	
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	-1.9	-1.7	1.9	1.8	-0.7	-2.7	-1.6	
Feb	-2.3	2.5	2.2	1.3	-0.8	-1.3	-2.6	
Mar	-1.3	5.0	1.3	1.1	-1.1	-	-1.1	
Apr	-0.8	3.3	0.1	1.6	-1.4	-4.6	1.5	
May	-0.7	-0.2	-0.6	1.7	-1.8	-5.8	2.9	
Jun	-1.6	-2.5	-1.9	1.1	-2.3	-6.5	1.3	
Jul	-1.9	-1.6	-0.8	-	-2.6	2.9	-2.1	
Aug	-1.8	-1.0	-1.5	-1.2	-2.2	5.2	-3.7	
Sep	-1.5	0.1	-1.1	-2.2	-2.3	5.0	-3.3	
Oct	-1.3	-1.1	-0.4	-2.3	-1.6	0.4	-1.8	
Nov	-0.8	-1.3	0.8	-1.8	-1.9	-2.4	-1.2	
Dec	0.2	-1.3	0.7	-1.4	-1.8	-2.2	-1.3	
2020 Jan	1.8	0.1 [†]	-1.5 [†]	-2.0	-3.1 [†]	-4.0 [†]	-1.0 [†]	
Feb	3.2 [†]	1.2	-1.2	-2.4 [†]	-3.9	-2.7	-0.6	
Mar	1.2	-0.5	0.1	-4.8	-8.0	-9.9	-1.4	

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