

Statistical bulletin

Index of Production, UK: December 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 0.3% between November and December 2021; this meant that output was 2.6% below its February 2020 level (the last month of “normal” trading conditions prior to the coronavirus (COVID-19) pandemic).
- The monthly rise in output was the result of growth in three of the four production sectors, with manufacturing growing by 0.2%, water supply and sewerage by 1.7%, and electricity and gas by 1.6%; in contrast, mining and quarrying saw a fall of 3.1%, as extraction of crude oil and natural gas fell by 2.7% in December 2021.
- Within manufacturing, the largest contributions to monthly growth were from manufacturing of basic pharmaceutical products and pharmaceutical preparations (with a month-on-month growth of 12.0%) and manufacturing of transport equipment (with a month-on-month growth of 3.1%).
- Output remained below pre-COVID-19 levels in three of the four production sectors; when compared with the February 2020 level, monthly manufacturing output remained 2.5% below, mining and quarrying 18.3% below, and electricity and gas 3.4% below, while in contrast, water supply and sewerage was 9.0% above.
- Production output for Quarter 4 (Oct to Dec) 2021 decreased by 0.4%, compared with Quarter 3 (July to Sept) 2021; falls of 3.2% in electricity and gas, and 4.5% in mining and quarrying, were partially offset by a rise of 1.8% in water supply and sewerage.
- Manufacturing output for Quarter 4 (Oct to Dec) 2021 remained unchanged compared with Quarter 3 (July to Sept) 2021; the most notable increase was a rise of 12.5% in manufacturing of basic pharmaceutical products and pharmaceutical preparations, which was partially offset by a fall of 8.0% in manufacturing of machinery and equipment N.E.C.
- For further and detailed analysis of the effect on our monthly Index of Production estimate, please see [GDP monthly estimate, UK: December 2021](#), published today (11 February 2022).

2 . Index of Production data

[Index of Production time series](#)

Dataset DIOP | Released 11 February 2022

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 11 February 2022

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 11 February 2022

Monthly index values for production and the main IoP sectors in the UK to four decimal places.

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

Dataset | Released 11 February 2022

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 | 11 February 2022

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 Index of Production (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 (QMI) on strengths, limitations, appropriate uses, and how the data were created is available in the UK [IoP QMI](#).

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 coronavirus (COVID-19) on the UK economy and population are now available on a [new webpage](#). This will be the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place that will support the adoption and implementation of high-quality standards for UK economic statistics. These governance arrangements will promote international comparability and add to the credibility and independence of the UK's statistical system.

At the centre of this new governance framework will be the new National Statistician's Committee for Advice on Standards for Economic Statistics (NSCASE). The NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world leading. The advice that the NSCASE provides to the National Statistician will span the full range of domains in economic statistics. This includes the National Accounts, fiscal statistics, prices, trade, and the balance of payments and labour market statistics.

You can access [further information on the NSCASE on the UK Statistics Authority's website](#).

4 . Related links

[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 among 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: December 2021](#)

Bulletin | Released 11 February 2022

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: December 2021 including services, October to December 2021](#)

Bulletin | Released 19 January 2022

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: 2020 results](#)

Bulletin | Released 11 August 2021

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

[Energy trends and prices statistical release: 27 January 2022](#)

Bulletin | Released 27 January 2022

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 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 | MIG-CND | MIG-CAG | MIG-IG | 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 |
| | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T |
| 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 | 91.6 | 81.0 | 91.0 | 97.8 | 98.3 | 79.1 | 85.5 | 99.2 | 83.7 | 93.5 | 92.5 |
| 2021 | 96.0 | 70.1 | 97.3 | 99.6 | 103.5 | 65.4 | 90.2 | 104.6 | 88.9 | 101.9 | 89.3 |
| 2020 Q4 | 95.8 | 77.0 | 96.7 | 99.2 | 100.0 | 74.5 | 90.1 | 98.4 | 91.7 | 101.5 | 91.7 |
| 2021 Q1 | 95.4 [†] | 72.6 [†] | 96.2 [†] | 102.0 [†] | 101.3 [†] | 69.3 [†] | 90.2 [†] | 100.1 [†] | 91.0 [†] | 100.7 [†] | 91.1 |
| Q2 | 96.2 | 59.6 | 98.1 | 105.1 | 102.2 | 53.4 | 90.2 | 103.9 | 90.0 | 103.6 | 88.7 [†] |
| Q3 | 96.3 | 75.8 | 97.4 | 97.1 | 104.2 | 71.3 | 91.0 | 105.2 | 88.6 | 101.6 | 90.1 |
| Q4 | 95.9 | 72.4 | 97.4 | 94.0 | 106.1 | 67.4 | 89.4 | 109.2 | 86.1 | 101.7 | 87.2 |
| 2020 Oct | 95.2 | 78.5 | 95.9 | 98.3 | 99.7 | 75.9 | 91.1 | 99.3 | 90.3 | 100.1 | 91.7 |
| Nov | 96.2 | 75.4 | 97.7 | 98.4 | 99.7 | 72.1 | 93.5 | 98.3 | 93.1 | 102.2 | 90.4 |
| Dec | 95.9 | 77.2 | 96.5 | 101.0 | 100.5 | 75.6 | 85.8 | 97.5 | 91.7 | 102.1 | 93.1 |
| 2021 Jan | 94.7 [†] | 74.3 [†] | 95.1 [†] | 102.3 [†] | 100.1 [†] | 70.9 [†] | 89.9 [†] | 99.3 [†] | 89.2 [†] | 100.4 [†] | 91.8 [†] |
| Feb | 95.2 | 70.2 | 96.1 | 102.3 | 101.1 | 66.7 | 91.9 | 99.4 | 91.7 | 100.2 | 90.6 |
| Mar | 96.4 | 73.3 | 97.4 | 101.5 | 102.6 | 70.3 | 88.9 | 101.7 | 92.2 | 101.5 | 91.1 |
| Apr | 96.2 | 60.3 | 98.1 | 104.8 | 101.4 | 54.5 | 88.1 | 101.1 | 92.5 | 103.9 | 88.3 |
| May | 96.9 | 62.8 | 98.2 | 108.3 | 101.8 | 57.3 | 89.1 | 107.7 | 88.0 | 103.4 | 91.4 |
| Jun | 95.5 | 55.7 | 97.9 | 102.1 | 103.4 | 48.5 | 93.3 | 103.0 | 89.6 | 103.3 | 86.4 |
| Jul | 96.1 | 68.4 | 97.5 | 99.8 | 104.5 | 62.9 | 92.5 | 105.1 | 88.6 | 101.9 | 89.0 |
| Aug | 96.6 | 80.2 | 97.5 | 96.3 | 104.4 | 76.4 | 90.5 | 105.0 | 89.2 | 101.0 | 91.2 |
| Sep | 96.1 | 78.7 | 97.1 | 95.2 | 103.7 | 74.5 | 90.0 | 105.6 | 88.1 | 101.8 | 90.1 |
| Oct | 95.3 | 74.6 | 96.9 | 92.2 | 104.2 | 70.0 | 89.0 | 109.0 | 85.1 | 101.6 | 87.0 |
| Nov | 96.0 | 72.4 | 97.6 | 94.2 | 106.2 | 67.0 | 89.3 | 108.2 | 86.7 | 102.4 | 87.2 |
| Dec | 96.3 | 70.1 | 97.8 | 95.7 | 108.0 | 65.2 | 89.8 | 110.6 | 86.6 | 101.1 | 87.6 |
| Percentage change, latest year on previous year | | | | | | | | | | | |
| 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 | -8.4 | -19.0 | -9.0 | -2.3 | -1.7 | -20.9 | -14.5 | -0.8 | -16.3 | -6.5 | -7.5 |
| 2021 | 4.7 | -13.4 | 6.8 | 1.8 | 5.2 | -17.4 | 5.5 | 5.5 | 6.3 | 9.0 | -3.4 |
| Percentage change, latest month on same month a year ago | | | | | | | | | | | |
| 2019 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 | -32.2 | 0.4 | 4.9 | 1.2 | -37.3 | -2.6 | -1.2 | -1.3 | 2.8 | -10.1 |
| Feb | -2.2 | -28.7 | -0.2 | 6.6 | -0.3 | -33.1 | -4.5 | 1.5 | -1.9 | -1.2 | -7.2 |
| Mar | -8.7 | -31.0 | -8.9 | 5.5 | -0.2 | -35.1 | -15.2 | -1.5 | -17.3 | -6.2 | -8.6 |
| Apr | -25.3 | -24.1 | -29.9 | -9.7 | -8.2 | -22.8 | -37.2 | -8.3 | -43.1 | -31.1 | -12.3 |
| May | -21.3 | -18.7 | -24.6 | -12.4 | -8.3 | -18.7 | -26.9 | -3.0 | -39.1 | -22.9 | -12.5 |
| Jun | -11.8 | 1.3 | -14.9 | -7.1 | -3.1 | 2.5 | -22.9 | -1.2 | -26.5 | -10.5 | -3.2 |
| Jul | -7.5 | -10.5 | -9.0 | 0.1 | -1.5 | -11.8 | -13.0 | 1.3 | -18.5 | -5.1 | -4.1 |
| Aug | -5.4 | -15.4 | -5.9 | 2.5 | -1.8 | -16.3 | -11.4 | 3.5 | -13.9 | -3.5 | -4.6 |
| Sep | -5.3 | -20.9 | -5.1 | 0.7 | -0.4 | -23.1 | -10.5 | 0.1 | -11.3 | -2.2 | -6.4 |
| Oct | -5.0 | -11.9 | -4.7 | -6.2 | 0.6 | -12.0 | -10.3 | -0.2 | -10.4 | -0.9 | -6.8 |
| Nov | -3.1 | -14.2 | -1.8 | -7.1 | 0.5 | -15.1 | -6.9 | -0.7 | -6.0 | 1.7 | -8.8 |
| Dec | -3.0 | -9.0 | -3.0 | -2.8 | 1.5 | -8.5 | -12.7 | -0.3 | -6.6 | 0.8 | -5.0 |
| 2021 Jan | -4.1 [†] | -12.9 [†] | -4.7 [†] | 1.9 [†] | -0.1 [†] | -14.1 [†] | -5.2 [†] | -0.2 [†] | -9.6 [†] | -0.2 [†] | -4.4 [†] |
| Feb | -3.8 | -18.2 | -4.2 | 3.3 | 3.3 | -20.0 | -3.8 | -3.4 | -7.3 | 1.4 | -5.4 |
| Mar | 3.2 | -9.6 | 4.6 | 2.2 | 2.9 | -10.3 | 2.3 | -2.1 | 9.6 | 7.6 | -3.2 |
| Apr | 29.8 | -22.3 | 41.8 | 16.8 | 10.0 | -31.4 | 42.2 | 9.9 | 67.6 | 51.9 | 0.6 |
| May | 22.9 | -22.1 | 30.2 | 22.2 | 9.8 | -28.8 | 18.7 | 13.0 | 42.3 | 34.9 | 3.9 |
| Jun | 8.8 | -38.9 | 15.1 | 7.5 | 5.2 | -46.5 | 20.7 | 5.4 | 20.4 | 15.9 | -7.9 |
| Jul | 4.0 | -18.5 | 6.8 | -0.7 | 5.6 | -23.0 | 7.7 | 2.8 | 8.5 | 7.5 | -5.5 |
| Aug | 3.2 | 1.7 | 4.3 | -4.6 | 5.6 | -0.3 | 2.2 | 3.1 | 3.6 | 4.7 | -1.2 |
| Sep | 1.8 | 3.6 | 2.7 | -6.4 | 4.3 | 2.4 | 1.0 | 6.3 | -0.3 | 3.4 | -2.5 |
| Oct | 0.1 | -5.0 | 1.0 | -6.2 | 4.5 | -7.7 | -2.2 | 9.7 | -5.7 | 1.5 | -5.1 |
| Nov | -0.2 | -4.0 | -0.1 | -4.3 | 6.5 | -7.1 | -4.6 | 10.1 | -6.9 | 0.3 | -3.6 |
| Dec | 0.4 | -9.1 | 1.3 | -5.3 | 7.4 | -13.8 | 4.6 | 13.3 | -5.6 | -1.0 | -6.0 |

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

continued

Chained volume indices of gross value added¹

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 | MIG-CND | MIG-CAG | MIG-IG | 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 | |
| | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T | |
| Percentage change, latest month on previous month | | | | | | | | | | | | |
| 2019 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 | -0.1 | 0.6 | 0.3 | -3.4 | 1.3 | -0.2 | -3.6 | 1.7 | 0.5 | -0.7 | -2.2 | |
| Feb | 0.1 | 0.6 | 0.4 | -1.3 | -1.2 | 1.0 | 0.8 | 3.3 | 0.3 | -1.9 | -0.2 | |
| Mar | -5.5 | -5.6 | -7.1 | 0.2 | 0.7 | -5.9 | -9.0 | 0.9 | -15.0 | -4.5 | -1.7 | |
| Apr | -20.7 | -4.2 | -25.7 | -9.7 | -7.5 | 1.3 | -28.6 | -11.4 | -34.4 | -27.5 | -6.7 | |
| May | 6.4 | 3.9 | 9.1 | -1.2 | 0.5 | 1.4 | 21.2 | 3.5 | 12.1 | 12.1 | 0.2 | |
| Jun | 11.3 | 13.1 | 12.6 | 7.2 | 6.1 | 12.5 | 2.9 | 2.5 | 20.4 | 16.3 | 6.7 | |
| Jul | 5.3 | -8.0 | 7.4 | 5.9 | 0.7 | -10.0 | 11.1 | 4.6 | 9.6 | 6.3 | 0.3 | |
| Aug | 1.3 | -6.0 | 2.4 | 0.4 | -0.2 | -6.1 | 3.2 | -0.3 | 5.4 | 1.8 | -2.0 | |
| Sep | 0.8 | -3.8 | 1.2 | 0.8 | 0.6 | -5.0 | 0.5 | -2.5 | 2.7 | 2.1 | 0.1 | |
| Oct | 0.8 | 3.4 | 1.4 | -3.4 | 0.4 | 4.3 | 2.2 | - | 2.3 | 1.7 | -0.8 | |
| Nov | 1.1 | -4.0 | 1.8 | 0.2 | - | -5.0 | 2.7 | -1.1 | 3.1 | 2.0 | -1.4 | |
| Dec | -0.4 | 2.4 | -1.2 | 2.6 | 0.8 | 4.8 | -8.3 | -0.7 | -1.5 | - | 3.0 | |
| 2021 Jan | -1.2 [†] | -3.7 [†] | -1.5 [†] | 1.3 [†] | -0.4 [†] | -6.3 [†] | 4.7 [†] | 1.8 [†] | -2.8 [†] | -1.6 [†] | -1.5 [†] | |
| Feb | 0.5 | -5.5 | 1.0 | - | 1.0 | -6.0 | 2.3 | - | 2.8 | -0.3 | -1.3 | |
| Mar | 1.3 | 4.4 | 1.3 | -0.9 | 1.5 | 5.5 | -3.3 | 2.3 | 0.6 | 1.3 | 0.6 | |
| Apr | -0.2 | -17.8 | 0.8 | 3.3 | -1.2 | -22.5 | -0.9 | -0.5 | 0.3 | 2.4 | -3.0 | |
| May | 0.7 | 4.2 | 0.1 | 3.3 | 0.3 | 5.2 | 1.1 | 6.5 | -4.8 | -0.5 | 3.4 | |
| Jun | -1.4 | -11.3 | -0.4 | -5.7 | 1.6 | -15.4 | 4.7 | -4.3 | 1.8 | -0.1 | -5.4 | |
| Jul | 0.6 | 22.8 | -0.4 | -2.2 | 1.1 | 29.7 | -0.8 | 2.0 | -1.2 | -1.4 | 3.0 | |
| Aug | 0.5 | 17.2 | - | -3.5 | -0.1 | 21.5 | -2.1 | -0.1 | 0.7 | -0.9 | 2.4 | |
| Sep | -0.6 | -1.9 | -0.4 | -1.1 | -0.7 | -2.5 | -0.6 | 0.6 | -1.2 | 0.7 | -1.2 | |
| Oct | -0.8 | -5.2 | -0.3 | -3.2 | 0.5 | -6.0 | -1.1 | 3.2 | -3.3 | -0.2 | -3.4 | |
| Nov | 0.7 | -2.9 | 0.7 | 2.2 | 1.9 | -4.3 | 0.3 | -0.7 | 1.8 | 0.8 | 0.2 | |
| Dec | 0.3 | -3.1 | 0.2 | 1.6 | 1.7 | -2.7 | 0.6 | 2.1 | -0.1 | -1.3 | 0.4 | |
| Percentage change, latest 3 months on same 3 months a year ago² | | | | | | | | | | | | |
| 2019 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 | -35.7 | 1.2 | 12.3 | 0.1 | -41.3 | 1.6 | -1.2 | -1.3 | 5.1 | -9.2 | |
| Feb | -1.9 | -33.1 | 0.6 | 8.7 | 0.1 | -38.2 | -1.8 | -0.7 | -1.5 | 2.6 | -8.8 | |
| Mar | -4.3 | -30.7 | -3.0 | 5.7 | 0.2 | -35.2 | -7.5 | -0.4 | -6.9 | -1.6 | -8.7 | |
| Apr | -12.0 | -28.1 | -12.9 | 0.6 | -2.9 | -30.7 | -18.9 | -2.7 | -20.5 | -12.8 | -9.4 | |
| May | -18.3 | -24.9 | -21.0 | -5.7 | -5.6 | -26.1 | -26.3 | -4.2 | -33.0 | -20.0 | -11.1 | |
| Jun | -19.5 | -14.4 | -23.1 | -9.7 | -6.5 | -13.7 | -28.9 | -4.2 | -36.1 | -21.5 | -9.4 | |
| Jul | -13.5 | -9.6 | -16.2 | -6.5 | -4.3 | -9.7 | -21.0 | -0.9 | -28.1 | -12.8 | -6.7 | |
| Aug | -8.2 | -8.3 | -10.0 | -1.6 | -2.1 | -8.7 | -15.8 | 1.2 | -19.7 | -6.4 | -4.0 | |
| Sep | -6.1 | -15.6 | -6.7 | 1.1 | -1.2 | -17.1 | -11.6 | 1.6 | -14.6 | -3.6 | -5.1 | |
| Oct | -5.2 | -16.2 | -5.2 | -1.1 | -0.6 | -17.3 | -10.7 | 1.1 | -11.9 | -2.2 | -5.9 | |
| Nov | -4.5 | -15.8 | -3.9 | -4.3 | 0.2 | -16.9 | -9.2 | -0.3 | -9.2 | -0.4 | -7.3 | |
| Dec | -3.7 | -11.7 | -3.2 | -5.4 | 0.9 | -11.9 | -9.9 | -0.4 | -7.7 | 0.5 | -6.9 | |
| 2021 Jan | -3.4 | -12.0 [†] | -3.2 | -2.8 [†] | 0.6 [†] | -12.6 [†] | -8.3 [†] | -0.4 [†] | -7.4 [†] | 0.8 [†] | -6.1 [†] | |
| Feb | -3.6 | -13.4 | -4.0 | 0.7 | 1.1 | -14.2 | -7.2 | -1.4 | -7.8 | 0.6 | -4.9 | |
| Mar | -1.6 | -13.6 | -1.6 [†] | 2.5 | 1.6 | -14.9 | -2.3 | -1.9 | -3.0 | 2.8 | -4.3 | |
| Apr | 8.0 [†] | -16.7 | 11.1 | 7.1 | 4.8 | -20.6 | 10.1 | 1.1 | 16.0 | 16.9 | -2.7 | |
| May | 17.5 | -17.9 | 23.6 | 13.3 | 7.4 | -23.6 | 18.8 | 6.6 | 35.6 | 29.0 | 0.3 | |
| Jun | 19.9 | -28.3 | 28.1 | 15.3 | 8.2 | -36.0 | 26.2 | 9.4 | 41.0 | 32.6 | -1.3 | |
| Jul | 11.4 | -26.9 | 16.6 | 9.2 | 6.8 | -33.3 | 15.4 | 7.0 | 22.1 | 18.4 | -3.3 | |
| Aug | 5.3 | -19.6 | 8.6 | 0.6 | 5.5 | -24.5 | 9.8 | 3.7 | 10.4 | 9.2 | -4.9 | |
| Sep | 3.0 | -4.8 | 4.6 | -3.9 | 5.2 | -7.5 | 3.6 | 4.0 | 3.8 | 5.2 | -3.1 | |
| Oct | 1.7 | 0.1 | 2.6 | -5.7 | 4.8 | -1.9 | 0.3 | 6.3 | -0.9 | 3.2 | -2.9 | |
| Nov | 0.5 | -1.8 | 1.2 | -5.6 | 5.1 | -4.2 | -2.0 | 8.7 | -4.4 | 1.7 | -3.7 | |
| Dec | 0.1 | -6.0 | 0.7 | -5.2 | 6.1 | -9.6 | -0.9 | 11.0 | -6.1 | 0.2 | -4.9 | |

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 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 |
| | K222 | K224 | K22A | K248 | K24C | K226 | K24Q | K24R | K24S | K24O | K24T |
| Percentage change, latest 3 months on previous 3 months² | | | | | | | | | | | |
| 2019 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 | -7.3 | -0.3 | 2.0 | -0.4 | -8.2 | -2.5 | -0.3 | -1.5 | 0.3 | -0.2 |
| Feb | -0.9 | -6.3 | -0.1 | -2.7 | 0.1 | -6.5 | -4.3 | 0.9 | -1.3 | -0.4 | -2.2 |
| Mar | -2.4 | -3.7 | -2.2 | -5.1 | 0.6 | -3.8 | -7.7 | 3.3 | -5.5 | -3.0 | -3.3 |
| Apr | -10.3 | -5.2 | -12.1 | -7.1 | -2.5 | -3.5 | -16.8 | 0.8 | -19.5 | -13.5 | -5.3 |
| May | -16.9 | -6.5 | -20.6 | -8.5 | -4.6 | -4.0 | -22.4 | -3.0 | -32.0 | -20.4 | -6.9 |
| Jun | -17.3 | -1.0 | -21.7 | -8.5 | -5.3 | 2.6 | -22.6 | -7.0 | -32.0 | -20.3 | -5.6 |
| Jul | -2.8 | 4.6 | -4.1 | -1.4 | -0.3 | 4.8 | -2.5 | -1.2 | -8.5 | -0.3 | -0.6 |
| Aug | 11.1 | 6.2 | 13.5 | 6.8 | 4.0 | 4.4 | 12.4 | 3.6 | 20.4 | 17.1 | 3.9 |
| Sep | 16.5 | -4.3 | 21.7 | 11.0 | 4.9 | -7.8 | 22.9 | 6.4 | 33.7 | 23.7 | 3.4 |
| Oct | 9.3 | -8.8 | 12.8 | 5.9 | 2.7 | -10.9 | 12.8 | 1.8 | 21.4 | 13.2 | 0.1 |
| Nov | 4.3 | -9.6 | 6.8 | 0.7 | 0.9 | -11.3 | 8.7 | -1.6 | 12.2 | 7.2 | -2.1 |
| Dec | 2.4 | -3.2 | 3.8 | -1.8 | 0.9 | -3.2 | 2.6 | -2.7 | 7.5 | 5.1 | -1.3 |
| 2021 Jan | 1.3 [†] | -2.8 [†] | 1.9 [†] | 0.2 [†] | 0.8 [†] | -3.0 [†] | 0.2 [†] | -1.8 [†] | 3.5 [†] | 3.3 [†] | -0.4 [†] |
| Feb | - | -3.5 | -0.2 | 2.4 | 1.0 | -3.5 | -2.2 | -0.2 | 0.3 | 0.7 | 0.4 |
| Mar | -0.3 | -5.8 | -0.6 | 2.8 | 1.3 | -7.1 | 0.1 | 1.8 | -0.8 | -0.8 | -0.7 |
| Apr | 0.3 | -10.2 | 0.8 | 2.3 | 1.6 | -12.4 | -0.1 | 2.4 | 0.9 | 0.3 | -1.9 |
| May | 1.3 | -11.4 | 2.1 | 2.9 | 1.3 | -14.5 | -0.5 | 4.8 | - | 2.0 | -1.7 |
| Jun | 0.8 | -17.9 | 2.0 | 3.0 | 0.9 | -22.9 | - | 3.8 | -1.1 | 2.8 | -2.7 |
| Jul | 0.3 | -8.2 | 0.7 | 0.5 | 1.5 | -11.9 | 2.2 | 4.5 | -3.7 | 1.0 | -1.2 |
| Aug | -0.4 | 4.1 | -0.3 | -5.2 | 2.1 | 3.1 | 3.8 | 0.8 | -2.0 | -0.8 | -1.5 |
| Sep | 0.1 | 27.1 | -0.7 | -7.5 | 1.9 | 33.3 | 0.9 | 1.2 | -1.6 | -1.9 | 1.6 |
| Oct | -0.2 | 24.9 | -0.7 | -8.5 | 0.8 | 30.9 | -1.9 | 1.2 | -1.4 | -1.4 | 0.6 |
| Nov | -0.3 | 10.4 | -0.4 | -5.6 | 0.5 | 12.6 | -2.9 | 3.1 | -2.8 | -0.2 | -0.9 |
| Dec | -0.4 | -4.5 | - | -3.2 | 1.8 | -5.4 | -1.8 | 3.8 | -2.8 | 0.1 | -3.2 |

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 2019 = 100

| Section | Food products, beverages and tobacco | Textiles, wearing apparel and leather products | Wood and paper products and printing | Coke and refined petroleum products | Chemicals and chemical products | Basic pharmaceutical products and preparations |
|---------------|--------------------------------------|--|--------------------------------------|-------------------------------------|---------------------------------|--|
| | CA | CB | CC | CD | CE | CF |
| Latest weight | 110.8 | 25.5 | 48.0 | 14.2 | 44.3 | 49.0 |
| | K22B | K22P | K22T | K22X | K22Z | K239 |
| 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 | 88.3 | 90.9 | 86.8 | 107.0 | 113.9 |
| 2021 | 98.7 | 104.5 | 104.8 | 87.5 | 109.1 | 118.1 |
| 2020 Q4 | 95.4 | 96.7 | 97.3 | 85.0 | 113.3 | 108.7 |
| 2021 Q1 | 94.1 [†] | 97.6 [†] | 99.8 [†] | 77.0 [†] | 110.9 [†] | 115.5 [†] |
| Q2 | 100.1 | 106.5 | 106.0 | 90.1 | 111.0 | 112.8 [†] |
| Q3 | 100.2 | 106.8 | 107.3 | 93.7 | 107.0 | 114.9 |
| Q4 | 100.3 | 107.2 | 106.1 | 89.0 | 107.6 | 129.2 |
| 2020 Oct | 95.9 | 94.5 | 95.9 | 85.4 | 109.7 | 110.3 |
| Nov | 96.0 | 96.3 | 98.4 | 85.4 | 113.4 | 108.3 |
| Dec | 94.4 | 99.2 | 97.7 | 84.1 | 116.7 | 107.6 |
| 2021 Jan | 93.2 [†] | 96.8 | 98.3 [†] | 78.0 [†] | 112.2 [†] | 114.7 [†] |
| Feb | 94.2 | 94.3 [†] | 99.3 | 76.2 | 110.7 | 114.8 |
| Mar | 95.0 | 101.8 | 101.8 | 76.8 | 109.9 | 117.1 |
| Apr | 100.1 | 103.6 | 106.1 | 81.7 | 113.3 | 101.2 |
| May | 100.5 | 105.9 | 106.2 | 91.5 | 110.2 | 126.6 |
| Jun | 99.8 | 110.1 | 105.6 | 97.0 | 109.4 | 110.5 |
| Jul | 100.3 | 107.4 | 106.4 | 95.8 | 107.9 | 116.0 |
| Aug | 100.3 | 107.7 | 107.1 | 95.8 | 107.2 | 112.6 |
| Sep | 100.0 | 105.3 | 108.5 | 89.6 | 105.8 | 116.2 |
| Oct | 100.7 | 107.0 | 108.1 | 88.4 | 107.5 | 126.7 |
| Nov | 101.1 | 107.6 | 106.9 | 89.6 | 108.2 | 123.1 |
| Dec | 99.0 | 106.9 | 103.4 | 89.0 | 107.1 | 137.9 |

Percentage change, latest year on previous year

| | | | | | | |
|------|------|-------|------|-------|------|------|
| 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 | -11.7 | -9.1 | -13.2 | 6.9 | 13.9 |
| 2021 | 4.2 | 18.4 | 15.3 | 0.7 | 2.0 | 3.7 |

Percentage change, latest month on same month a year ago

| | | | | | | |
|----------|-------------------|-------------------|-------------------|--------------------|------------------|-------------------|
| 2019 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 | -3.4 | 1.1 | 2.8 | 16.2 | 7.7 | -3.4 |
| Feb | -1.6 | 3.9 | -1.3 | 13.6 | 2.4 | 6.1 |
| Mar | -4.6 | -13.2 | -7.7 | 7.6 | 6.2 | 6.2 |
| Apr | -13.9 | -57.0 | -33.6 | -21.0 | 2.5 | 22.3 |
| May | -11.3 | -32.5 | -25.1 | -28.9 | 2.8 | 25.0 |
| Jun | -6.6 | -9.2 | -14.8 | -21.9 | 1.6 | 16.8 |
| Jul | -2.3 | -4.2 | -6.2 | -23.7 | 6.7 | 13.2 |
| Aug | -3.5 | -3.7 | -7.0 | -23.0 | 9.9 | 24.1 |
| Sep | -4.8 | -11.0 | -6.9 | -6.3 | 7.0 | 19.5 |
| Oct | -4.4 | -9.5 | -6.1 | -19.4 | 7.9 | 14.0 |
| Nov | -3.2 | -5.0 | -2.1 | -20.1 | 14.9 | 10.8 |
| Dec | -3.9 | 0.3 | -1.5 | -24.9 | 13.5 | 14.7 |
| 2021 Jan | -4.9 [†] | -0.2 | -2.7 [†] | -27.6 [†] | 5.2 [†] | 15.1 [†] |
| Feb | -5.9 | -6.3 [†] | 0.6 | -30.8 | 7.2 | 5.8 |
| Mar | -3.3 | 17.0 | 7.1 | -26.2 | 1.0 | -1.6 |
| Apr | 15.6 | 141.7 | 56.6 | 4.3 | 12.9 | -16.7 |
| May | 13.8 | 60.3 | 45.5 | 24.1 | 7.8 | 4.8 |
| Jun | 9.5 | 22.1 | 25.5 | 30.5 | 8.0 | -6.8 |
| Jul | 4.1 | 9.9 | 15.6 | 24.7 | 3.0 | -4.2 |
| Aug | 4.6 | 11.8 | 15.3 | 26.2 | -1.2 | -5.7 |
| Sep | 4.7 | 14.6 | 15.4 | 4.3 | -1.7 | 4.0 |
| Oct | 5.0 | 13.3 | 12.7 | 3.6 | -2.0 | 14.9 |
| Nov | 5.3 | 11.7 | 8.6 | 5.0 | -4.6 | 13.7 |
| Dec | 4.9 | 7.7 | 5.8 | 5.8 | -8.2 | 28.1 |

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100

| Section | Rubber and plastic products and non-metallic mineral products | Basic metals and metal products | Computer, electronic and optical products | Electrical equipment | Machinery and equipment not elsewhere classified | Transport equipment | Other manufacturing and repair |
|---------------|---|---------------------------------|---|----------------------|--|---------------------|--------------------------------|
| | CG | CH | CI | CJ | CK | CL | CM |
| Latest weight | 52.8 | 81.3 | 50.5 | 18.0 | 54.6 | 108.3 | 67.4 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |
| 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 | 89.3 | 88.5 | 92.3 | 80.0 | 76.7 | 94.0 |
| 2021 | 105.0 | 94.7 | 89.7 | 100.2 | 91.7 | 76.2 | 106.2 |
| 2020 Q4 | 103.5 | 95.3 | 91.3 | 97.4 | 88.3 | 89.7 | 99.7 |
| 2021 Q1 | 104.8 [†] | 92.7 [†] | 91.5 [†] | 101.6 [†] | 89.4 [†] | 83.0 [†] | 103.0 [†] |
| Q2 | 107.5 | 95.7 | 90.4 | 102.9 | 95.8 | 74.8 | 107.7 |
| Q3 | 103.8 | 94.1 | 88.7 | 100.1 | 94.5 | 74.3 | 107.8 |
| Q4 | 104.0 | 96.3 | 88.1 | 96.3 | 86.9 | 72.7 | 106.4 |
| 2020 Oct | 102.3 | 94.8 | 93.0 | 98.4 | 85.5 | 87.8 | 98.7 |
| Nov | 104.6 | 95.9 | 95.2 | 101.3 | 88.7 | 91.3 | 100.4 |
| Dec | 103.7 | 95.3 | 85.6 | 92.6 | 90.7 | 90.0 | 99.9 |
| 2021 Jan | 102.5 [†] | 92.9 [†] | 90.3 [†] | 99.6 [†] | 86.3 [†] | 80.5 [†] | 103.6 [†] |
| Feb | 103.6 | 91.0 | 93.9 | 103.2 | 87.6 | 84.3 | 104.2 |
| Mar | 108.4 | 94.1 | 90.3 | 102.0 | 94.4 | 84.2 | 101.1 |
| Apr | 111.2 | 95.0 | 89.1 | 103.0 | 94.9 | 81.7 | 106.4 |
| May | 106.6 | 96.2 | 91.0 | 104.7 | 95.9 | 69.3 | 107.1 |
| Jun | 104.8 | 95.9 | 91.2 | 101.1 | 96.7 | 73.4 | 109.6 |
| Jul | 104.7 | 93.9 | 89.3 | 101.5 | 93.3 | 73.8 | 108.3 |
| Aug | 103.1 | 93.4 | 89.3 | 99.9 | 94.2 | 76.3 | 107.8 |
| Sep | 103.7 | 95.1 | 87.5 | 98.9 | 96.0 | 72.8 | 107.4 |
| Oct | 103.8 | 94.7 | 87.3 | 97.7 | 85.5 | 70.7 | 107.3 |
| Nov | 105.3 | 97.0 | 87.8 | 95.3 | 89.8 | 72.5 | 106.4 |
| Dec | 102.9 | 97.1 | 89.1 | 95.8 | 85.5 | 74.8 | 105.6 |

Percentage change, latest year on previous year

| | | | | | | | |
|------|------|-------|-------|------|-------|-------|------|
| 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 | -10.7 | -11.6 | -7.7 | -20.0 | -23.3 | -6.0 |
| 2021 | 12.7 | 6.1 | 1.4 | 8.6 | 14.6 | -0.7 | 13.1 |

Percentage change, latest month on same month a year ago

| | | | | | | | |
|----------|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| 2019 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 | 3.4 | -0.2 | -2.1 | 5.0 | -11.7 | 1.7 | 7.5 |
| Feb | 1.7 | -3.6 | -5.8 | 2.5 | -11.2 | 0.1 | 6.8 |
| Mar | -8.9 | -9.0 | -13.7 | -1.5 | -22.4 | -23.3 | -4.7 |
| Apr | -46.3 | -29.7 | -27.1 | -32.3 | -50.0 | -61.6 | -30.0 |
| May | -28.2 | -25.9 | -18.5 | -24.3 | -38.8 | -62.2 | -22.1 |
| Jun | -9.3 | -14.3 | -17.7 | -17.0 | -25.8 | -40.7 | -14.5 |
| Jul | -2.6 | -12.7 | -10.5 | -11.5 | -18.8 | -28.9 | -5.8 |
| Aug | - | -10.3 | -7.3 | -1.4 | -18.1 | -22.8 | -0.6 |
| Sep | 0.4 | -6.7 | -8.1 | -1.9 | -15.7 | -14.4 | -4.0 |
| Oct | 2.1 | -5.2 | -9.2 | -1.2 | -12.6 | -14.0 | -1.7 |
| Nov | 5.0 | -4.6 | -5.5 | 1.7 | -8.3 | -6.3 | -1.7 |
| Dec | 1.5 | -6.8 | -13.0 | -9.0 | -5.2 | -9.3 | -0.5 |
| 2021 Jan | 1.1 [†] | -5.8 [†] | -5.3 [†] | -1.2 [†] | -5.7 [†] | -20.7 [†] | -0.4 [†] |
| Feb | 2.2 | -6.1 | -1.1 | 4.1 | -4.5 | -16.1 | -1.3 |
| Mar | 17.6 | 3.4 | 2.0 | 6.0 | 18.1 | 8.6 | 5.7 |
| Apr | 106.6 | 37.6 | 24.4 | 50.9 | 86.0 | 135.3 | 48.5 |
| May | 49.9 | 29.6 | 8.5 | 36.9 | 54.7 | 80.9 | 36.4 |
| Jun | 16.1 | 13.4 | 10.0 | 19.0 | 29.1 | 19.7 | 28.8 |
| Jul | 7.5 | 7.0 | 1.6 | 11.4 | 16.2 | 1.0 | 16.7 |
| Aug | 3.4 | 4.4 | -2.2 | 1.0 | 16.9 | -2.8 | 9.2 |
| Sep | 2.6 | 1.6 | -4.1 | -0.2 | 16.2 | -15.4 | 11.4 |
| Oct | 1.4 | -0.1 | -6.1 | -0.7 | - | -19.5 | 8.6 |
| Nov | 0.6 | 1.2 | -7.8 | -6.0 | 1.3 | -20.6 | 6.0 |
| Dec | -0.8 | 1.9 | 4.1 | 3.4 | -5.8 | -16.9 | 5.7 |

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100

| Section | Food products, beverages and tobacco | Textiles, wearing apparel and leather products | Wood and paper products and printing | Coke and refined petroleum products | Chemicals and chemical products | Basic pharmaceutical products and preparations |
|---------------|--------------------------------------|--|--------------------------------------|-------------------------------------|---------------------------------|--|
| | CA | CB | CC | CD | CE | CF |
| Latest weight | 110.8 | 25.5 | 48.0 | 18.5 | 44.3 | 49.0 |
| | K22B | K22P | K22T | K22X | K22Z | K239 |

Percentage change, latest month on previous month

| | | | | | | | |
|------|-----|-------------------|-------------------|------------------|-------------------|-------------------|------------------|
| 2019 | 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 | -0.2 | -1.9 | 1.8 | -3.8 | 3.8 | 6.2 |
| | Feb | 2.1 | 3.7 | -2.3 | 2.3 | -3.2 | 8.9 |
| | Mar | -1.7 | -13.5 | -3.7 | -5.6 | 5.4 | 9.7 |
| | Apr | -11.9 | -50.7 | -28.7 | -24.7 | -7.7 | 2.1 |
| | May | 2.0 | 54.0 | 7.7 | -5.9 | 1.9 | -0.7 |
| | Jun | 3.2 | 36.6 | 15.2 | 0.8 | -1.0 | -1.8 |
| | Jul | 5.7 | 8.3 | 9.4 | 3.3 | 3.5 | 2.2 |
| | Aug | -0.4 | -1.4 | 0.9 | -1.2 | 3.6 | -1.5 |
| | Sep | -0.4 | -4.6 | 1.3 | 13.3 | -0.8 | -6.5 |
| | Oct | 0.4 | 2.8 | 2.0 | -0.7 | 1.9 | -1.3 |
| | Nov | - | 2.0 | 2.5 | - | 3.4 | -1.8 |
| | Dec | -1.6 | 3.0 | -0.6 | -1.4 | 2.9 | -0.7 |
| 2021 | Jan | -1.3 [†] | -2.4 [†] | 0.6 [†] | -7.3 [†] | -3.8 [†] | 6.6 [†] |
| | Feb | 1.1 | -2.6 [†] | 1.0 | -2.4 | -1.4 | 0.1 |
| | Mar | 0.9 | 7.9 | 2.6 | 0.8 | -0.7 | 2.0 |
| | Apr | 5.4 | 1.8 | 4.3 | 6.4 | 3.1 | -13.5 |
| | May | 0.4 | 2.1 | 0.1 | 12.0 | -2.8 | 25.0 |
| | Jun | -0.7 | 4.0 | -0.6 | 6.0 | -0.7 | -12.7 |
| | Jul | 0.6 | -2.5 | 0.8 | -1.3 | -1.3 | 5.0 |
| | Aug | - | 0.3 | 0.6 | - | -0.6 | -3.0 |
| | Sep | -0.3 | -2.2 | 1.4 | -6.4 | -1.4 | 3.2 |
| | Oct | 0.7 | 1.6 | -0.3 | -1.4 | 1.7 | 9.1 |
| | Nov | 0.4 | 0.5 | -1.2 | 1.4 | 0.6 | -2.9 |
| | Dec | -2.1 | -0.6 | -3.2 | -0.7 | -1.0 | 12.0 |

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

| | | | | | | | |
|------|-----|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|
| 2019 | 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 | 3.4 | 2.3 | 25.8 | 6.6 | -3.4 |
| | Feb | -2.4 | 2.8 | 1.0 | 20.0 | 5.7 | -1.6 |
| | Mar | -3.2 | -2.9 | -2.1 | 12.4 | 5.4 | 3.0 |
| | Apr | -6.7 | -22.4 | -14.2 | -0.1 | 3.7 | 11.2 |
| | May | -9.9 | -34.2 | -22.0 | -14.5 | 3.9 | 17.3 |
| | Jun | -10.6 | -33.0 | -24.6 | -24.0 | 2.3 | 21.3 |
| | Jul | -6.8 | -15.1 | -15.3 | -24.9 | 3.7 | 18.1 |
| | Aug | -4.1 | -5.7 | -9.3 | -22.9 | 6.0 | 17.8 |
| | Sep | -3.5 | -6.4 | -6.7 | -18.0 | 7.9 | 18.7 |
| | Oct | -4.2 | -8.1 | -6.7 | -16.5 | 8.3 | 19.2 |
| | Nov | -4.1 | -8.5 | -5.0 | -15.7 | 9.9 | 14.7 |
| | Dec | -3.8 | -4.8 | -3.2 | -21.5 | 12.1 | 13.1 |
| 2021 | Jan | -4.0 [†] | -1.7 | -2.1 [†] | -24.2 [†] | 11.1 [†] | 13.5 [†] |
| | Feb | -4.9 | -2.1 [†] | -1.2 | -27.7 | 8.6 | 11.6 |
| | Mar | -4.7 | 2.9 | 1.6 | -28.2 | 4.4 | 5.9 |
| | Apr | 1.5 | 30.1 | 17.5 | -19.8 | 6.9 | -4.6 |
| | May | 8.2 | 58.9 | 33.2 | -2.4 | 7.1 | -4.5 |
| | Jun | 12.9 | 60.5 | 41.4 | 19.3 | 9.5 | -6.2 |
| | Jul | 9.0 | 27.3 | 27.7 | 26.4 | 6.2 | -2.0 |
| | Aug | 6.0 | 14.4 | 18.6 | 27.1 | 3.2 | -5.6 |
| | Sep | 4.5 | 12.1 | 15.4 | 17.8 | - | -2.1 |
| | Oct | 4.8 | 13.2 | 14.5 | 10.8 | -1.6 | 4.2 |
| | Nov | 5.0 | 13.2 | 12.2 | 4.3 | -2.8 | 10.8 |
| | Dec | 5.1 | 10.9 | 9.0 | 4.8 | -5.0 | 18.9 |

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 | Rubber and plastic products and non-metallic mineral products | Basic metals and metal products | Computer, electronic and optical products | Electrical equipment | Machinery and equipment not elsewhere classified | Transport equipment | Other manufacturing and repair |
|---------------|---|---------------------------------|---|----------------------|--|---------------------|--------------------------------|
| | CG | CH | CI | CJ | CK | CL | CM |
| Latest weight | 52.8 | 81.3 | 50.5 | 18.0 | 54.6 | 108.3 | 67.4 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |

Percentage change, latest month on previous month

| | | | | | | | | |
|------|-----|-------------------|-------------------|------------------|------------------|-------------------|--------------------|------------------|
| 2019 | 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 | -0.8 | -3.6 | -3.1 | -0.9 | -4.3 | 2.4 | 3.7 |
| | Feb | 0.1 | -1.8 | -0.5 | -1.7 | 0.3 | -1.1 | 1.4 |
| | Mar | -9.1 | -6.0 | -6.8 | -2.9 | -12.9 | -22.9 | -9.5 |
| | Apr | -41.6 | -24.1 | -19.0 | -29.1 | -36.2 | -55.2 | -25.0 |
| | May | 32.1 | 7.5 | 17.0 | 12.0 | 21.5 | 10.3 | 9.5 |
| | Jun | 26.9 | 13.9 | -1.1 | 11.0 | 20.8 | 60.1 | 8.4 |
| | Jul | 7.9 | 3.7 | 6.0 | 7.4 | 7.2 | 19.1 | 9.1 |
| | Aug | 2.5 | 2.0 | 3.8 | 8.5 | 0.4 | 7.5 | 6.4 |
| | Sep | 1.3 | 4.6 | -0.1 | 0.2 | 2.5 | 9.7 | -2.3 |
| | Oct | 1.2 | 1.3 | 2.0 | -0.7 | 3.5 | 2.0 | 2.4 |
| | Nov | 2.3 | 1.2 | 2.4 | 2.9 | 3.7 | 4.0 | 1.6 |
| | Dec | -0.9 | -0.6 | -10.1 | -8.6 | 2.3 | -1.4 | -0.4 |
| 2021 | Jan | -1.2 [†] | -2.6 [†] | 5.5 [†] | 7.6 [†] | -4.9 [†] | -10.5 [†] | 3.7 [†] |
| | Feb | 1.1 | -2.1 | 4.0 | 3.6 | 1.6 | 4.7 | 0.6 |
| | Mar | 4.6 | 3.5 | -3.8 | -1.2 | 7.7 | -0.2 | -3.0 |
| | Apr | 2.6 | 1.0 | -1.3 | 0.9 | 0.5 | -2.9 | 5.3 |
| | May | -4.1 | 1.3 | 2.1 | 1.6 | 1.1 | -15.2 | 0.6 |
| | Jun | -1.7 | -0.3 | 0.2 | -3.5 | 0.8 | 5.9 | 2.3 |
| | Jul | -0.1 | -2.1 | -2.1 | 0.5 | -3.5 | 0.5 | -1.2 |
| | Aug | -1.5 | -0.5 | - | -1.7 | 1.0 | 3.5 | -0.4 |
| | Sep | 0.6 | 1.8 | -2.0 | -1.0 | 1.9 | -4.6 | -0.4 |
| | Oct | 0.1 | -0.4 | -0.2 | -1.2 | -10.9 | -2.9 | -0.1 |
| | Nov | 1.4 | 2.5 | 0.6 | -2.5 | 5.0 | 2.6 | -0.8 |
| | Dec | -2.3 | 0.1 | 1.5 | 0.5 | -4.8 | 3.1 | -0.7 |

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

| | | | | | | | | |
|------|-----|------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| 2019 | 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 | 3.7 | 5.4 | 1.8 | 7.0 | -9.5 | -0.4 | 4.4 |
| | Feb | 3.7 | 1.4 | -2.1 | 5.2 | -10.7 | 0.6 | 6.2 |
| | Mar | -1.3 | -4.3 | -7.3 | 2.0 | -15.1 | -7.2 | 3.1 |
| | Apr | -17.9 | -14.0 | -15.4 | -10.7 | -27.8 | -27.1 | -9.5 |
| | May | -27.7 | -21.5 | -19.7 | -19.6 | -37.0 | -48.6 | -19.0 |
| | Jun | -28.0 | -23.3 | -21.0 | -24.5 | -38.3 | -54.5 | -22.3 |
| | Jul | -13.3 | -17.7 | -15.6 | -17.6 | -27.9 | -43.9 | -14.2 |
| | Aug | -4.0 | -12.4 | -11.9 | -10.0 | -21.0 | -30.8 | -7.0 |
| | Sep | -0.7 | -9.9 | -8.6 | -5.0 | -17.6 | -22.1 | -3.5 |
| | Oct | 0.8 | -7.4 | -8.2 | -1.5 | -15.5 | -17.0 | -2.1 |
| | Nov | 2.5 | -5.5 | -7.6 | -0.5 | -12.2 | -11.6 | -2.5 |
| | Dec | 2.9 | -5.6 | -9.2 | -2.9 | -8.7 | -9.9 | -1.3 |
| 2021 | Jan | 2.6 [†] | -5.8 | -8.0 [†] | -2.9 [†] | -6.4 [†] | -12.2 [†] | -0.9 [†] |
| | Feb | 1.6 | -6.3 [†] | -6.6 | -2.1 | -5.1 | -15.4 | -0.7 |
| | Mar | 6.6 | -3.0 | -1.5 | 2.9 | 1.9 | -10.9 | 1.2 |
| | Apr | 30.6 | 9.0 | 7.1 | 16.9 | 24.3 | 17.6 | 14.2 |
| | May | 50.2 | 21.8 | 10.8 | 28.5 | 47.8 | 56.3 | 28.0 |
| | Jun | 49.9 | 26.0 | 13.8 | 34.5 | 53.0 | 67.0 | 37.3 |
| | Jul | 22.2 | 16.0 | 6.6 | 21.7 | 31.6 | 25.4 | 26.7 |
| | Aug | 8.8 | 8.2 | 2.9 | 10.0 | 20.5 | 5.0 | 17.7 |
| | Sep | 4.5 | 4.3 | -1.6 | 3.8 | 16.4 | -6.2 | 12.3 |
| | Oct | 2.5 | 1.9 | -4.1 | - | 10.8 | -12.9 | 9.7 |
| | Nov | 1.5 | 0.9 | -6.0 | -2.3 | 5.6 | -18.5 | 8.6 |
| | Dec | 0.4 | 1.0 | -3.5 | -1.2 | -1.6 | -19.0 | 6.7 |

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100

| | 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 |
|---------------|--------------------------------------|--|--------------------------------------|-------------------------------------|---------------------------------|--|
| Section | CA | CB | CC | CD | CE | CF |
| Latest weight | 110.8 | 25.5 | 48.0 | 18.5 | 44.3 | 49.0 |
| | K22B | K22P | K22T | K22X | K22Z | K239 |

Percentage change, latest 3 months on previous 3 months

| | | | | | | | |
|------|-----|-------------------|------------------|------------------|------------------|------------------|------------------|
| 2019 | 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 | -3.4 | -0.8 | 10.2 | 2.4 | 1.7 |
| | Feb | -1.2 | -4.1 | -1.6 | 8.3 | 3.9 | 4.9 |
| | Mar | -0.5 | -6.6 | -2.4 | -0.8 | 5.1 | 13.5 |
| | Apr | -3.5 | -22.5 | -13.0 | -10.4 | 1.4 | 19.9 |
| | May | -7.8 | -33.9 | -21.1 | -22.4 | -0.4 | 19.7 |
| | Jun | -10.2 | -30.0 | -23.6 | -29.7 | -4.6 | 10.3 |
| | Jul | -3.2 | 10.2 | -4.7 | -23.1 | -1.3 | 3.3 |
| | Aug | 3.7 | 45.1 | 14.1 | -11.4 | 1.0 | -0.6 |
| | Sep | 8.2 | 43.6 | 24.0 | 5.4 | 5.6 | -2.4 |
| | Oct | 4.2 | 11.3 | 13.5 | 9.9 | 5.7 | -5.3 |
| | Nov | 1.4 | -0.5 | 7.2 | 13.1 | 5.1 | -8.0 |
| | Dec | -0.5 | 1.4 | 4.7 | 6.8 | 5.9 | -7.4 |
| 2021 | Jan | -1.3 | 3.4 | 4.1 [†] | 0.1 [†] | 5.1 [†] | -3.1 |
| | Feb | -2.0 [†] | 2.7 [†] | 2.4 | -7.2 | 2.7 | 2.1 [†] |
| | Mar | -1.4 | 1.0 | 2.5 | -9.4 | -2.0 | 6.2 |
| | Apr | 2.0 | 2.5 | 4.4 | -5.2 | -2.5 | 0.8 |
| | May | 4.9 | 7.2 | 6.4 | 4.9 | -1.8 | 2.3 |
| | Jun | 6.4 | 9.1 | 6.2 | 17.0 | - | -2.4 |
| | Jul | 3.9 | 7.9 | 3.6 | 21.1 | -1.9 | 6.0 |
| | Aug | 1.6 | 4.5 | 1.6 | 15.4 | -2.6 | -1.7 |
| | Sep | 0.1 | 0.3 | 1.3 | 4.1 | -3.6 | 1.9 |
| | Oct | 0.2 | -1.0 | 1.7 | -3.7 | -2.1 | 0.7 |
| | Nov | 0.5 | -1.6 | 1.4 | -7.2 | -0.9 | 7.9 |
| | Dec | - | 0.3 | -1.1 | -5.0 | 0.6 | 12.5 |

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

continued

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100

| Section | Rubber and plastic products and non-metallic mineral products | Basic metals and metal products | Computer, electronic and optical products | Electrical equipment | Machinery and equipment not elsewhere classified | Transport equipment | Other manufacturing and repair |
|---------------|---|---------------------------------|---|----------------------|--|---------------------|--------------------------------|
| | CG | CH | CI | CJ | CK | CL | CM |
| Latest weight | 52.8 | 81.3 | 50.5 | 18.0 | 54.6 | 108.3 | 67.4 |
| | K23B | K23G | K23N | K23P | K23R | K23T | K23Z |

Percentage change, latest 3 months on previous 3 months

| | | | | | | | | |
|------|-----|------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|
| 2019 | 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 | 0.8 | 0.4 | -1.8 | 0.4 | -3.5 | -2.0 | 2.1 |
| | Feb | 1.5 | -1.0 | -4.5 | 0.5 | -4.7 | 0.4 | 2.3 |
| | Mar | -2.3 | -5.4 | -7.5 | -1.6 | -9.3 | -6.4 | 0.7 |
| | Apr | -18.4 | -14.8 | -13.4 | -12.8 | -21.6 | -28.7 | -11.0 |
| | May | -28.8 | -21.3 | -15.5 | -20.1 | -30.8 | -50.1 | -20.7 |
| | Jun | -27.0 | -20.4 | -14.5 | -22.5 | -28.6 | -52.0 | -22.9 |
| | Jul | 4.6 | -4.0 | -0.2 | -4.2 | -2.5 | -18.8 | -6.0 |
| | Aug | 32.3 | 11.8 | 7.4 | 14.1 | 22.2 | 41.4 | 12.6 |
| | Sep | 38.6 | 18.9 | 13.4 | 25.9 | 29.6 | 76.9 | 22.4 |
| | Oct | 17.2 | 12.7 | 8.1 | 17.4 | 14.5 | 46.2 | 14.6 |
| | Nov | 7.2 | 8.6 | 6.6 | 8.7 | 8.9 | 24.6 | 6.8 |
| | Dec | 4.2 | 5.6 | 1.3 | 1.1 | 8.8 | 13.2 | 3.8 |
| 2021 | Jan | 2.5 [†] | 2.2 | -1.6 [†] | -1.0 [†] | 6.8 [†] | 3.7 [†] | 3.4 [†] |
| | Feb | 0.6 | -1.8 | -3.4 | -1.1 | 3.1 | -3.9 | 4.1 |
| | Mar | 1.2 | -2.8 [†] | 0.3 | 4.3 | 1.3 | -7.4 | 3.3 |
| | Apr | 4.0 | -1.4 | 0.8 | 5.0 | 4.2 | -4.4 | 2.6 |
| | May | 5.3 | 2.2 | 0.2 | 4.8 | 7.8 | -7.7 | 2.2 |
| | Jun | 2.6 | 3.3 | -1.2 | 1.3 | 7.1 | -9.9 | 4.6 |
| | Jul | -2.2 | 2.1 | -0.7 | -0.3 | 3.2 | -13.5 | 4.2 |
| | Aug | -4.2 | -0.7 | -0.3 | -2.3 | -0.3 | -5.0 | 3.5 |
| | Sep | -3.4 | -1.7 | -1.9 | -2.7 | -1.4 | -0.6 | 0.1 |
| | Oct | -1.7 | -1.0 | -2.7 | -3.5 | -3.6 | 1.6 | -0.8 |
| | Nov | 0.1 | 1.3 | -2.6 | -3.5 | -4.6 | -3.3 | -1.4 |
| | Dec | 0.1 | 2.3 | -0.7 | -3.9 | -8.0 | -2.2 | -1.3 |

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



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