

Statistical bulletin

# Construction output in Great Britain: November 2021

Short-term measures of output by the construction industry and contracts awarded for new construction work in Great Britain.



Contact:  
John Allcoat  
construction.statistics@ons.gov.  
uk  
+44 1633 456344

Release date:  
14 January 2022

Next release:  
11 February 2022

## Table of contents

1. [Main points](#)
2. [Construction output trends in November 2021](#)
3. [Detailed growth rates in November 2021](#)
4. [Revisions to construction output in November 2021](#)
5. [Construction in Great Britain data](#)
6. [Glossary](#)
7. [Measuring the data](#)
8. [Strengths and limitations](#)
9. [Related links](#)

# 1 . Main points

- Monthly construction output increased by 3.5% in volume terms in November 2021, which is the largest monthly rise seen in construction output growth since March 2021; anecdotal evidence from survey returns suggested the strong demand for work, in combination with supply chain bottlenecks for certain products easing and the unseasonal mild and dry weather were the main reasons for the increase.
- The increase in monthly construction output in November 2021 came solely from an increase in new work (5.7%) as repair and maintenance saw a slight decline of 0.2% on the month.
- Because of the strong November 2021 monthly growth and minimal revisions to previous months, the level of construction output in November 2021 was 1.3% (£197 million) above the February 2020 pre-coronavirus (COVID-19) pandemic level; although new work was 1.6% (£148 million) below the February 2020 level, repair and maintenance work was 6.9% (£345 million) above the February 2020 level.
- The recovery to date, since the falls at the start of the pandemic, is mixed at a sector level, with infrastructure 49.3% (£923 million) above and private commercial 28.0% (£698 million) below their respective February 2020 levels in November 2021.
- Alongside the monthly increase, construction output rose 1.6% in the three months to November 2021, the first three-monthly increase since July 2021, with similar increases seen in both new work, and repair and maintenance (1.5% and 1.6% respectively).

## 2 . Construction output trends in November 2021

Monthly construction output increased 3.5% in volume terms in November 2021 compared with October 2021, to £14,676 million. This is the highest level of construction output since September 2019.

Anecdotal evidence received from businesses responding to the [Monthly Business Survey for Construction and Allied Trades \(MBS\)](#) and the Business Insights and Conditions Survey (BICS) suggested that supply chain issues experienced over recent months had eased somewhat as businesses were able to obtain materials to complete and start projects.

Alongside this, the [unseasonal dry and mild weather \(PDF, 105KB\)](#) seen in November 2021 ensured that construction sites did not lose many working days across the month.

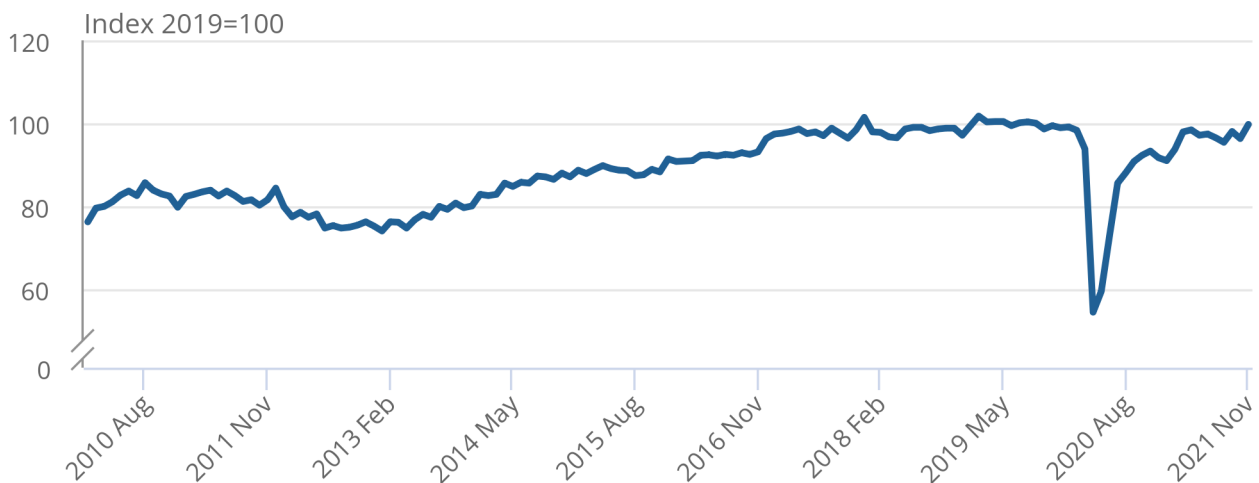
It should also be noted that prices of construction materials continue to be high, however, the rate of growth has eased a little in comparison with previous months.

### Figure 1: Monthly construction output in November 2021 is at its highest level since September 2019

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to November 2021

### Figure 1: Monthly construction output in November 2021 is at its highest level since September 2019

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2010 to November 2021



Source: Office for National Statistics – Construction Output and Employment

#### Notes:

1. Monthly output records began in January 2010.

Table 1: Construction output main figures, change in construction output, February 2020 (pre-coronavirus level) to November 2021, Great Britain

Seasonally adjusted, chained volume measure, percentage change and £ millions

Type of work	Change in construction output February 2020 to November 2021	
	(%)	(Millions)
<b>Total all work</b>	1.3	197
Total new work	-1.6	-148
Total repair and maintenance	6.9	345
<b>New housing</b>		
Public	-33.0	-193
Private	-1.4	-43
<b>Other new work</b>		
Infrastructure	49.3	923
Public	-9.4	-85
Private industrial	-10.7	-53
Private commercial	-28.0	-698
<b>Repair and maintenance</b>		
Public housing	-12.9	-91
Private housing	14.7	258
Non-housing	7.1	178

Source: Office for National Statistics – Construction Output and Employment

#### Notes

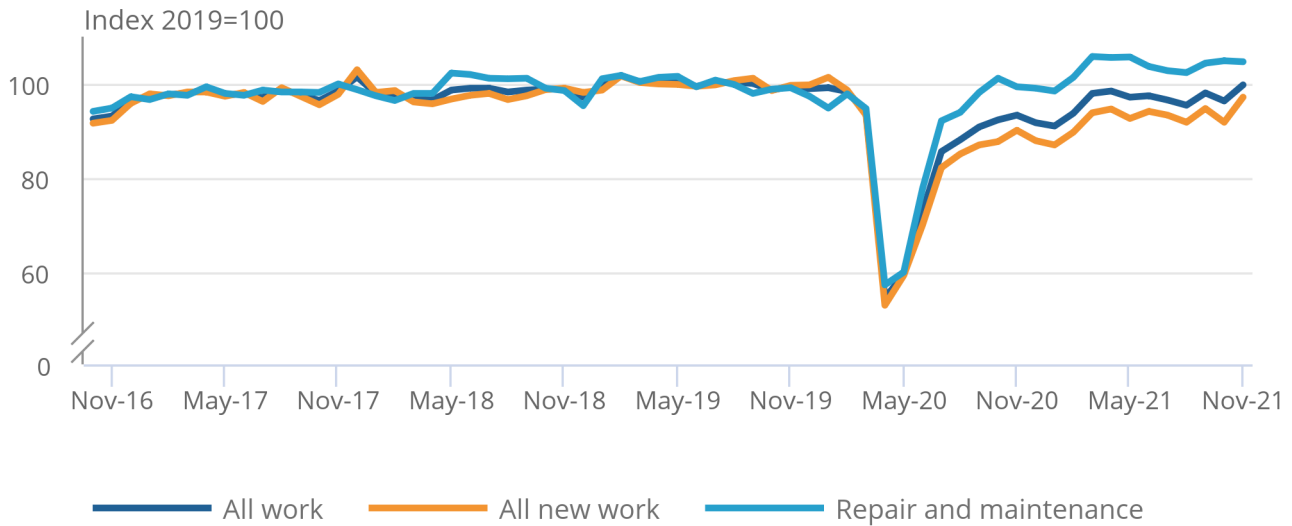
1. Sector estimates may not sum because of rounding.

**Figure 2: New work was the source of the monthly increase in the level of all work in November 2021 as repair and maintenance output fell slightly on the month**

Monthly index, chained volume measure, seasonally adjusted, Great Britain, October 2016 to November 2021

Figure 2: New work was the source of the monthly increase in the level of all work in November 2021 as repair and maintenance output fell slightly on the month

Monthly index, chained volume measure, seasonally adjusted, Great Britain, October 2016 to November 2021



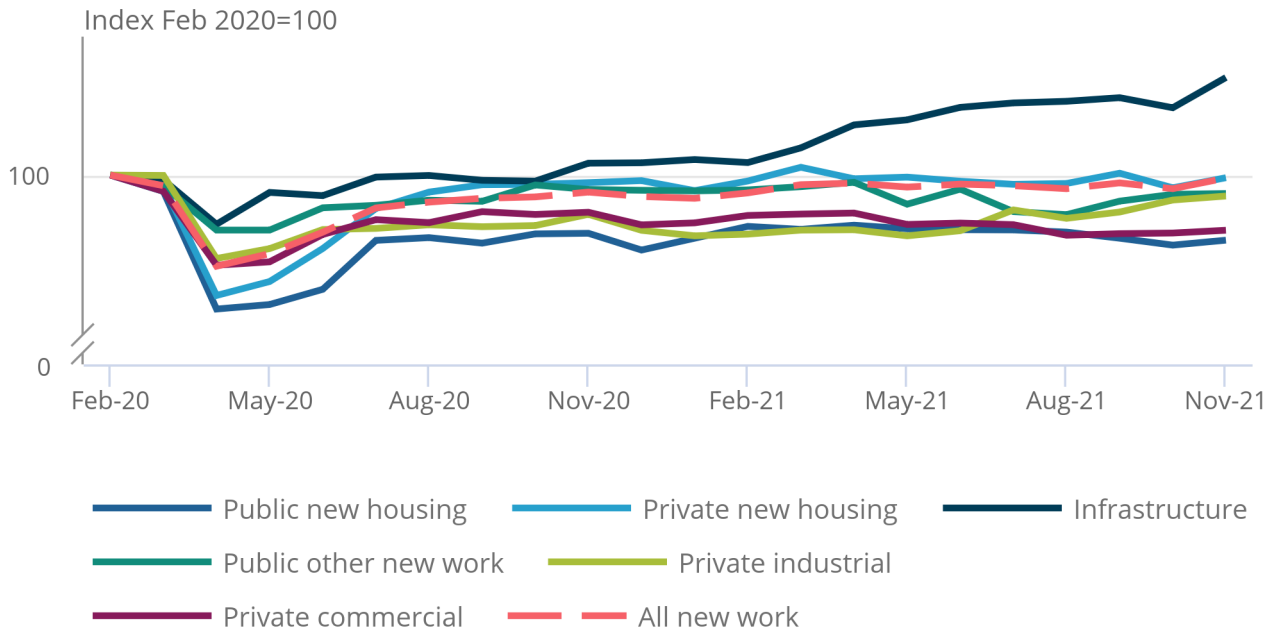
Source: Office for National Statistics – Construction Output and Employment

**Figure 3: Infrastructure continued to be the only new work sector where the level of output in November 2021 was above the February 2020 level**

Components of new work, index volume measure, seasonally adjusted, Great Britain, February 2020 to November 2021

Figure 3: Infrastructure continued to be the only new work sector where the level of output in November 2021 was above the February 2020 level

Components of new work, index volume measure, seasonally adjusted, Great Britain, February 2020 to November 2021



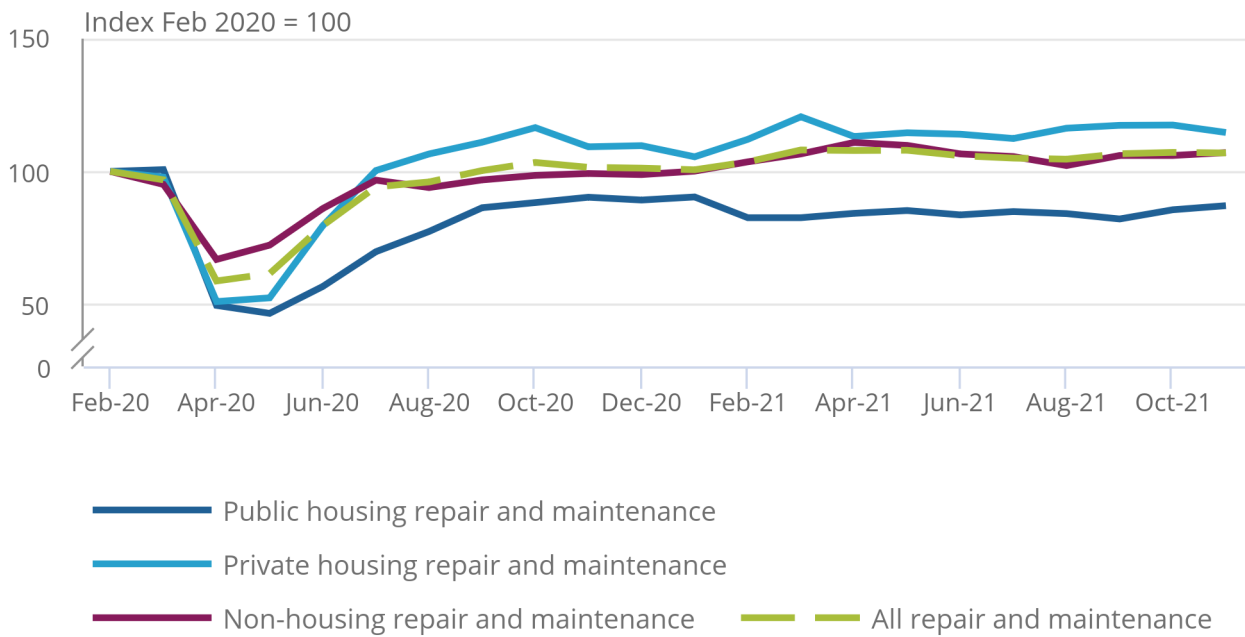
Source: Office for National Statistics – Construction Output and Employment

**Figure 4: Public housing repair and maintenance was the only repair and maintenance sector where the level of output in November 2021 remained below the February 2020 level**

Components of repair and maintenance, index volume measure, seasonally adjusted, Great Britain, February 2020 to November 2021

Figure 4: Public housing repair and maintenance was the only repair and maintenance sector where the level of output in November 2021 remained below the February 2020 level

Components of repair and maintenance, index volume measure, seasonally adjusted, Great Britain, February 2020 to November 2021



Source: Office for National Statistics – Construction Output and Employment

### 3 . Detailed growth rates in November 2021

Table 2: Construction output main figures, November 2021, Great Britain  
Seasonally adjusted, chained volume measure, £ million and percentage change

Type of work	Value £ million	Most recent month on the previous month	Most recent month on year	Most recent three-months on three-months	Most recent three-months on year
<b>Total all work</b>	14,676	3.5	6.8	1.6	6.3
Total new work	9,350	5.7	7.7	1.5	7.1
Total repair and maintenance	5,326	-0.2	5.4	1.6	5.1
<b>New housing</b>					
Public	392	3.8	-5.0	-7.5	-3.3
Private	3,106	5.5	2.6	1.8	2.3
<b>Other new work</b>					
Infrastructure	2,795	11.4	40.9	3.6	40.7
Public	818	0.4	-2.2	5.2	-2.4
Private industrial	443	2.2	11.4	11.1	13
Private commercial	1,795	1.9	-11.2	-3.2	-12.2
<b>Repair and maintenance</b>					
Public housing	614	1.8	-3.6	0.8	-3.8
Private housing	2,017	-2.4	5.0	2.0	3.8
Non-housing	2,695	1.0	8.0	1.5	8.4

Source: Office for National Statistics – Construction Output and Employment

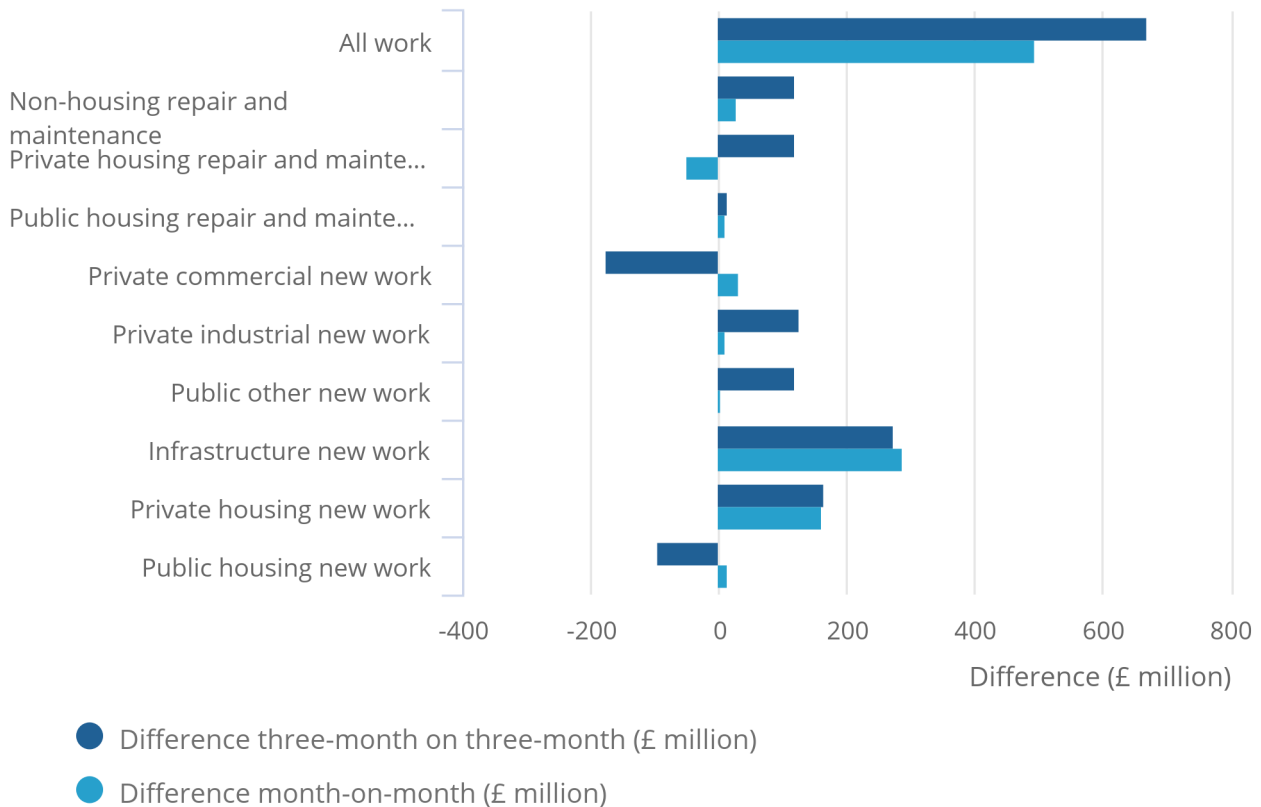


**Figure 5: Both infrastructure and private new housing contributed significantly to each of the monthly and three-monthly increases in all work in November 2021**

Month-on-month and three-month on three-month growth, chained volume measure, seasonally adjusted, Great Britain, November 2021 compared with October 2021 and September to November 2021 compared with June to August 2021

Figure 5: Both infrastructure and private new housing contributed significantly to each of the monthly and three-monthly increases in all work in November 2021

Month-on-month and three-month on three-month growth, chained volume measure, seasonally adjusted, Great Britain, November 2021 compared with October 2021 and September to November 2021 compared with June to August 2021



Source: Office for National Statistics – Construction Output and Employment

Notes:

1. Sector estimates may not sum because of rounding.

## Month-on-month construction output growth in November 2021

The 3.5% rise in construction output in November 2021 represents a rise of £496 million in monetary terms compared with October 2021, with eight out of the nine sectors seeing an increase.

Infrastructure new work and private housing new work were the largest contributors to the monthly rise in November 2021, increasing by 11.4% (£286 million) and 5.5% (£160 million) respectively. Infrastructure new work last saw stronger monthly growth in May 2020 (21.4%) with anecdotal evidence suggesting renewable energy projects along with road and rail developments are contributing significantly to the large increase in this type of work over the last 18 months.

Private housing repair and maintenance was the only sector to have fallen in November 2021, decreasing by 2.4% (£49 million).

To illustrate how supply chains have eased in the industry in November 2021 Table 3 shows how businesses' intra-UK supply chains had been affected in November 2021 from the [Business Insights and Conditions Survey \(BICS\)](#).

Table 3: The percentage of businesses in the construction industry that reported they were able to get the materials, goods or services they needed in November 2021 increased compared with previous months Intra-UK procurement, construction businesses not permanently stopped trading, weighted by count, UK, 9 August 2021 to 28 November 2021

Date	Yes, the business has been able to get the materials, goods or services it needed	Yes, but the business had to change suppliers or find alternative solutions	No, the business has not been able to get the materials, goods or services needed	Not applicable
9 to 22 August 2021	42.1%	16.5%	15.4%	26.0%
5 to 19 September 2021	38.2%	28.0%	8.1%	25.6%
4 to 31 October 2021	43.4%	25.4%	10.0%	21.2%
1 to 28 November 2021	48.5%	20.4%	5.4%	25.7%

Source: Office for National Statistics – Business Insights and Conditions Survey (BICS)

### Notes

1. Final weighted results, Wave 37 to Wave 44 of the Office for National Statistics' (ONS') Business Insights and Conditions Survey (BICS).
2. Businesses were asked for their experiences for the reference period. However, for questions regarding the last month, businesses may respond from the point of completion of the questionnaire (survey live period).

In November 2021, 26% of construction businesses reported they had to change suppliers or were unable to source materials, goods or services needed from within the UK. While still higher than the proportion for all industries sampled in the BICS (17%), the percentage for construction businesses has seen a notable drop from 35%, in late October.

Construction businesses reporting no disruptions to intra-UK procurement increased by 5 percentage points in the latest survey wave. The improvements in the supply chain coupled with stronger demand, which is backed by an increase in new orders (specifically in the first half of 2021), are likely factors to explain the strong monthly growth in output in November 2021.

## **Three-month on three-month construction output growth in November 2021**

Construction output rose 1.6% (£671 million) in the three months to November 2021, this is the first three-monthly rise since July 2021. Similar increases in both new work, and repair and maintenance (1.5% and 1.6% respectively) contributed to the growth.

Infrastructure new work and private housing new work made the largest contributions to the three-monthly rise, increasing by 3.6% (£273 million) and 1.8% (£164 million) respectively.

Private commercial new work and public housing new work were the only two sectors to have seen falls in the three months to November 2021, decreasing by 3.2% (£176 million) and 7.5% (£94 million) respectively.

## **4 . Revisions to construction output in November 2021**

Estimates in this release are consistent with the [GDP quarterly national accounts, UK: July to September 2021](#) on 22 December 2021.

Revisions in this release have been incorporated back to January 2020. Reasons for the revisions include:

- revisions in the nominal data; this includes revisions to both the survey data and Value Added Tax (VAT) turnover data
- this release is also the first monthly release in which, where selected, VAT turnover data have been used for Quarter 2 (Apr to June) 2021 to replace survey data
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually
- revisions to the input series for the Construction Output Price Indices

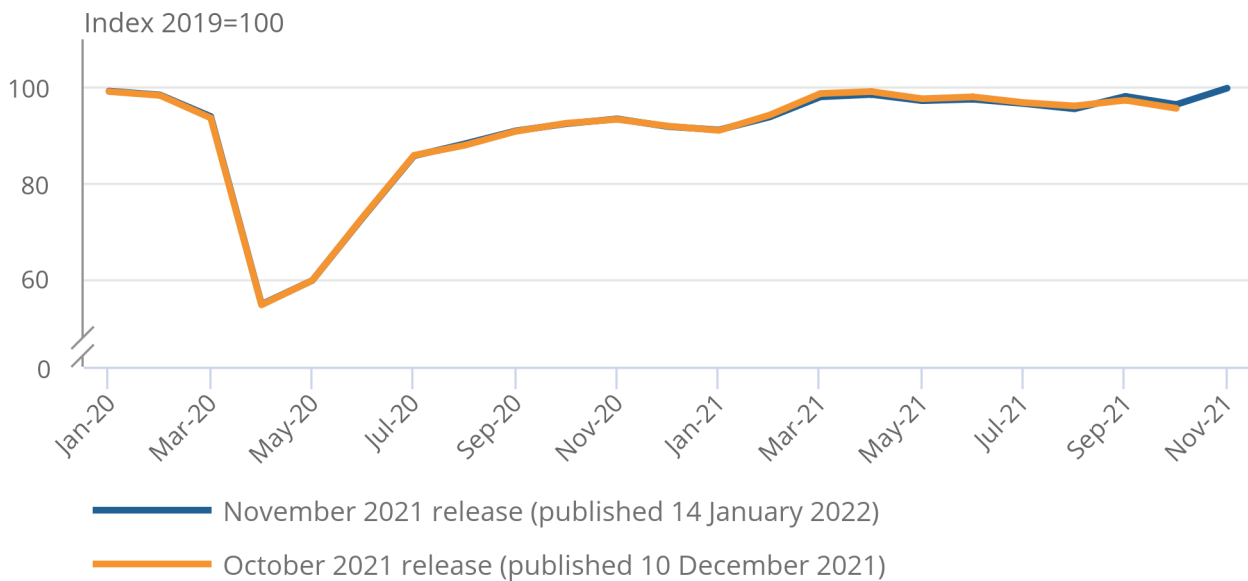
The 2020 annual rate of construction output growth has been revised up slightly to a fall of 14.9% from the previous estimate of a 15.0% fall, with minimal revisions seen to both the quarterly and monthly path (Figure 6).

**Figure 6: The latest revisions to the monthly path of all work construction output in the November 2021 release are minimal**

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2020 to November 2021

Figure 6: The latest revisions to the monthly path of all work construction output in the November 2021 release are minimal

Monthly all work index, chained volume measure, seasonally adjusted, Great Britain, January 2020 to November 2021



Source: Office for National Statistics – Construction Output and Employment

## 5 . Construction in Great Britain data

### [Output in the construction industry](#)

Dataset | Released 14 January 2022

Monthly construction output for Great Britain at current price and chained volume measures, seasonally adjusted by public and private sector.

### [Output in the construction industry: sub-national and sub-sector](#)

Dataset | Released 11 November 2021

Quarterly non-seasonally adjusted sub-national and sub-sector data at current prices, Great Britain.

### [Construction output price indices](#)

Dataset | Released 11 November 2021

Monthly Construction Output Price Indices (OPIs) by type of construction work, UK.

### [New orders in the construction industry](#)

Dataset | Released 11 November 2021

Quarterly new orders at current price and chained volume measures, seasonally adjusted by public and private sector. Quarterly non-seasonally adjusted type of work and regional data.

### [Construction statistics annual tables](#)

Dataset | Released 19 October 2021

The construction industry in Great Britain, including value of output and type of work, new orders by sector, number of firms and total employment.

## 6 . Glossary

### Construction output estimates

Construction output estimates are monthly estimates of the amount of output chargeable to customers for building and civil engineering work done in the relevant period, excluding Value Added Tax (VAT) and payments to subcontractors.

### Seasonally adjusted estimates

Seasonally adjusted estimates are derived by estimating and removing calendar effects (for example, leap years such as 2020) and seasonal effects (for example, decreased activity at Christmas because of site shutdowns) from the non-seasonally adjusted estimates.

### Value estimates

The value estimates reflect the total value of work that businesses have completed over a reference month.

### Volume estimates

The volume estimates are calculated by taking the value estimates and adjusting to remove the impact of price changes.

## 7 . Measuring the data

### Quality and methodology

More quality and methodology information is available in:

- [Construction output QMI](#)
- [Construction Output Price Indices QMI](#)

## Sub-national and sub-sector output

Data on new orders supplied by [Barbour ABI](#) are used to model the breakdown of the overall output figures for Great Britain into the lower level and regional data seen in Tables 1 and 2 of [Construction output: sub-national and sub-sector](#).

## Response rates

The response rate by turnover for the construction industries for November 2021 was 71.2%, with the data collection period covering Christmas and the New Year. This is likely to explain the slight decrease compared with recent months in terms of response, however, it is up slightly on the 70.2% turnover response in November 2020.

## Bias adjustment

Typically, an adjustment to address any bias in survey responses for construction output is applied to the early construction output monthly estimates. See [Improvements to construction statistics: Addressing the bias in early estimates of construction output, June 2018](#) published on 4 June 2018. The bias adjustment methodology is based on historical data. As the response rate for November 2021 is slightly lower, no comparable historical data are available at the time of the first estimate for a reference month, so we have not applied a bias adjustment for November 2021.

## Blue Book 2021

In Blue Book 2021, [a new framework](#) was introduced to improve how we produce volume estimates of gross domestic product (GDP) for balanced years as part of the supply use process. This framework included the implementation of double-deflated industry-level gross value added (GVA) for the first time. This improvement was reflected in the [September quarterly national accounts](#) and [October monthly GDP estimates](#) for the first time.

As a result, volume estimates in the monthly GDP and construction outputs releases will differ for the period 1997 to 2019 because the construction publication measures the volume of construction work (output), while the GDP series measures GVA (that is, output minus intermediate consumption). Construction estimates will align, however, from January 2020 onwards on a growth basis.

Articles on the [impact of double deflation](#) and [Blue Book changes](#) provide information and indicative effects of this change to industry-level GVA volume.

## 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). NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world leading. The advice NSCASE provides to the National Statistician will span the full range of domains in economic statistics, including the national accounts, fiscal statistics, prices, trade and the balance of payments and labour market statistics.

## 8 . Strengths and limitations

## Data quality

These estimates are widely used by private and public sector institutions to assist in informed decision-making and policymaking.

Further information on [Uncertainty and how we measure it for our surveys](#) is available.

## Comparability

While monthly data are available for output in the construction industry back to January 2010, a longer time series back to 1997 can be obtained in the [Monthly GDP datasets](#).

Monthly data prior to 2010 are derived using statistical methods from the available quarterly construction output data and should therefore be treated with some caution.

## 9 . Related links

### [Construction statistics: sources and outputs](#)

Methodology | Released 2 October 2017

A list of the known sources of information available on the construction industry and their outputs.

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

Bulletin | Released 14 January 2022

Gross domestic product (GDP) measures the value of goods and services produced in the UK and estimates the size of and growth in the economy.

### [Index of Services, UK: November 2021](#)

Bulletin | Released 14 January 2022

Monthly movements in output for the services industries.

### [Index of Production, UK: November 2021](#)

Bulletin | Released 14 January 2022

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

### [Construction statistics, Great Britain: 2020](#)

Article | Released 19 October 2021

A wide range of statistics and analysis on the construction industry in Great Britain in 2019.

### [Business insights and impact on the UK economy: 13 January 2022](#)

Bulletin | Released 13 January 2022

Experimental data from the voluntary fortnightly business survey (BICS) about financial performance, workforce, prices, trade, and business resilience.

### [Price movements in construction materials and plant hire: 2019 to 2021](#)

Article | Released 20 October 2021

A brief overview of construction in the UK, construction output indices and how these are computed, and construction inputs and their price movements and the factors behind them.

### [Productivity in the construction industry, UK: 2021](#)

Article | Released 19 October 2021

An investigation into productivity growth and its drivers for the UK construction industry.

# 1A.A CONSTRUCTION OUTPUT: VOLUME SEASONALLY ADJUSTED INDEX NUMBERS BY SECTOR

Index 2019 = 100

	New Housing			Other New Work				Repair and Maintenance					All Repair and Maintena- nce	All Work
	Public housing	Private housing	Total new housing	Infra- structure	Excluding Infrastructure			All new work	Housing			Non housing R&M		
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing			
	MV36	MV37	MVL7	MV38	MV39	MV3A	MV3B	MV3C	MV3D	MV3E	MV3F	MV3G	MV3H	MV3I
1997	30.8	44.9	42.6	61.2	57.6	152.2	84.4	63.6	124.2	93.2	102.0	79.3	89.5	72.1
1998	24.9	45.3	42.1	59.5	60.7	155.1	91.5	65.3	116.1	95.2	100.5	80.2	89.3	73.2
1999	21.6	40.8	37.7	57.9	68.4	160.0	102.4	67.2	111.3	94.0	98.1	79.7	87.9	74.1
2000	27.1	45.5	42.6	54.3	64.8	142.8	103.2	67.4	107.7	94.4	97.2	83.9	89.7	74.8
2001	27.8	42.5	40.2	58.2	65.4	145.9	102.5	67.3	101.9	98.6	97.8	91.6	94.2	76.1
2002	31.4	46.3	43.9	65.8	82.7	115.8	105.8	71.4	96.7	106.7	101.1	97.6	98.9	80.5
2003	35.8	57.8	54.3	62.0	103.8	122.2	102.0	75.7	109.3	104.3	103.8	100.4	101.7	84.3
2004	43.0	70.3	65.9	54.1	116.6	125.9	112.5	82.9	119.9	101.3	105.3	95.9	99.9	88.8
2005	40.4	72.3	67.3	51.9	104.9	123.4	107.6	80.5	119.2	92.3	99.0	98.4	98.3	86.6
2006	47.6	72.6	68.6	47.8	96.3	133.8	116.8	82.6	114.0	86.5	93.5	98.6	95.9	87.3
2007	55.0	71.4	68.7	47.2	94.7	130.6	128.5	85.5	108.0	84.4	90.3	100.9	95.5	89.2
2008	49.7	55.4	54.4	52.4	105.4	101.1	130.0	80.9	111.2	85.3	91.8	104.3	98.0	86.9
2009	50.7	38.1	39.9	60.1	127.5	70.9	97.4	68.5	108.1	74.6	83.3	94.1	88.6	75.4
2010	79.4	46.2	51.2	76.5	168.1	78.6	95.4	79.7	117.5	81.7	91.1	80.5	85.9	81.8
2011	81.3	50.2	54.9	79.1	155.2	70.9	96.7	80.5	107.5	81.9	88.7	84.7	86.7	82.6
2012	67.9	48.2	51.2	70.3	122.2	75.5	86.9	71.9	110.7	77.2	86.0	85.1	85.6	76.7
2013	72.0	52.9	55.8	71.5	111.2	69.4	87.6	72.9	106.9	79.4	86.7	87.9	87.3	77.9
2014	95.5	67.5	71.7	70.8	112.2	81.8	93.4	81.4	110.7	86.3	92.7	94.5	93.6	85.6
2015	80.0	74.1	75.0	84.5	113.0	91.7	95.9	86.6	112.0	88.8	94.9	91.5	93.2	88.9
2016	76.0	83.7	82.5	83.5	117.5	85.8	103.3	91.5	106.5	93.7	97.1	91.8	94.5	92.5
2017	88.6	90.5	90.2	93.7	114.9	86.7	109.7	98.1	103.7	100.0	101.0	95.5	98.3	98.1
2018	86.2	95.6	94.2	97.1	102.1	95.6	102.2	97.6	99.7	99.8	99.8	98.7	99.2	98.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	67.4	80.9	78.8	95.1	91.8	81.5	77.8	83.1	82.6	87.6	86.3	91.6	88.9	85.1

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.







# 1B.A CONSTRUCTION OUTPUT: VOLUME NON-SEASONALLY ADJUSTED INDEX NUMBERS BY SECTOR

Index 2019 = 100

	New Housing			Other New Work				Repair and Maintenance					All Repair and Maintena- nce	All Work
	Public housing	Private housing	Total new housing	Infrastr- ucture	Excluding Infrastructure			All new work	Housing			Non housing R&M		
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing			
	MV3J	MV3K	MVL8	MV3L	MV3M	MV3N	MV3O	MV3P	MV3Q	MV3R	MV3S	MV3T	MV3U	MV3V
1997	30.8	45.6	43.3	60.7	56.8	149.9	82.5	63.5	124.3	93.9	102.0	75.4	88.8	72.3
1998	24.9	46.0	42.8	59.0	59.8	152.6	89.4	65.2	116.1	95.9	101.2	76.2	88.8	73.4
1999	21.7	41.6	38.6	57.6	67.6	158.2	100.5	67.1	111.8	95.1	99.5	76.1	87.9	74.3
2000	27.1	46.3	43.4	53.9	63.9	140.8	101.0	67.3	107.9	95.3	98.6	79.9	89.4	74.9
2001	27.8	43.3	40.9	57.7	64.5	143.9	100.3	67.0	102.0	99.4	100.1	87.2	93.7	76.3
2002	31.4	47.1	44.7	65.2	81.5	114.0	103.6	70.9	96.8	107.6	104.8	92.9	98.9	80.6
2003	35.8	58.9	55.4	61.5	102.4	120.5	99.9	75.7	109.5	105.2	106.4	95.6	101.0	84.5
2004	43.2	71.8	67.4	53.9	115.4	124.6	110.6	83.2	120.6	102.6	107.3	91.7	99.6	88.9
2005	40.7	74.0	68.9	51.8	104.0	122.4	105.9	81.0	120.0	93.6	100.6	94.2	97.4	86.7
2006	48.1	74.5	70.5	47.9	96.0	133.2	115.5	83.2	115.3	88.2	95.4	94.8	95.1	87.3
2007	55.7	73.6	70.9	47.4	94.7	130.5	127.5	86.2	109.7	86.3	92.5	97.4	94.9	89.2
2008	50.4	57.2	56.2	52.8	105.5	101.1	129.3	81.3	113.1	87.4	94.2	100.8	97.4	86.9
2009	51.4	39.3	41.1	60.5	127.6	70.9	96.8	68.8	109.9	76.3	85.2	90.9	88.0	75.5
2010	79.4	46.2	51.2	76.5	168.1	78.6	95.4	79.7	117.5	81.7	91.1	80.5	85.9	81.8
2011	81.3	50.2	54.9	79.1	155.2	70.9	96.7	80.5	107.5	81.9	88.7	84.7	86.7	82.6
2012	67.9	48.2	51.2	70.3	122.2	75.5	86.9	71.9	110.7	77.2	86.0	85.1	85.6	76.7
2013	72.0	52.9	55.8	71.5	111.2	69.4	87.6	72.9	106.9	79.4	86.7	87.9	87.3	77.9
2014	95.5	67.5	71.7	70.8	112.2	81.8	93.4	81.4	110.7	86.3	92.7	94.5	93.6	85.6
2015	80.0	74.1	75.0	84.5	113.0	91.7	95.9	86.6	112.0	88.8	94.9	91.5	93.2	88.9
2016	76.0	83.7	82.5	83.5	117.5	85.8	103.3	91.5	106.5	93.7	97.1	91.8	94.5	92.5
2017	88.6	90.5	90.2	93.7	114.9	86.7	109.7	98.1	103.7	100.0	101.0	95.5	98.3	98.1
2018	86.2	95.6	94.2	97.1	102.1	95.6	102.2	97.6	99.7	99.8	99.8	98.7	99.2	98.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	67.4	80.9	78.8	95.1	91.8	81.5	77.8	83.1	82.6	87.6	86.3	91.6	88.9	85.1

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.





# 2A.A CONSTRUCTION OUTPUT: VOLUME SEASONALLY ADJUSTED BY SECTOR

£ million

	New Housing				Other New Work				Repair and Maintenance					All Repair and Maintena- nce	All Work
	Public housing	Private housing	Total new housing	Infrastr- ucture	Excluding Infrastructure			All new work	Housing			Non housing R&M			
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing				
	MV3W	MV3X	MVL9	MV3Y	MV3Z	MV42	MV43	MV44	MV45	MV46	MV47	MV48	MV49	MV4A	
1997	2 158	17 588	19 691	14 015	6 010	8 721	25 517	73 451	10 133	21 199	31 518	23 910	54 634	127 324	
1998	1 748	17 765	19 448	13 627	6 334	8 885	27 655	75 384	9 466	21 643	31 050	24 173	54 498	129 214	
1999	1 515	15 980	17 437	13 247	7 129	9 167	30 964	77 641	9 080	21 374	30 317	24 039	53 685	130 839	
2000	1 901	17 853	19 693	12 430	6 753	8 182	31 200	77 783	8 787	21 472	30 023	25 302	54 791	131 988	
2001	1 946	16 665	18 557	13 311	6 817	8 359	30 976	77 711	8 310	22 415	30 225	27 619	57 494	134 333	
2002	2 202	18 161	20 306	15 051	8 626	6 632	31 999	82 490	7 884	24 272	31 241	29 442	60 397	142 036	
2003	2 506	22 672	25 102	14 188	10 823	7 002	30 835	87 453	8 914	23 714	32 085	30 264	62 062	148 867	
2004	3 010	27 548	30 464	12 382	12 153	7 212	34 006	95 735	9 780	23 037	32 549	28 927	61 016	156 776	
2005	2 831	28 353	31 083	11 876	10 936	7 069	32 530	92 968	9 719	20 983	30 585	29 667	60 036	152 959	
2006	3 337	28 439	31 684	10 948	10 045	7 664	35 307	95 386	9 300	19 679	28 892	29 738	58 538	154 142	
2007	3 854	27 976	31 750	10 797	9 876	7 481	38 861	98 746	8 812	19 187	27 891	30 432	58 300	157 470	
2008	3 483	21 709	25 139	12 002	10 986	5 790	39 319	93 481	9 070	19 402	28 375	31 444	59 806	153 352	
2009	3 553	14 918	18 456	13 747	13 295	4 063	29 456	79 161	8 821	16 961	25 741	28 388	54 120	133 116	
2010	5 559	18 110	23 669	17 507	17 532	4 505	28 838	92 050	9 582	18 567	28 149	24 267	52 417	144 466	
2011	5 696	19 671	25 368	18 101	16 183	4 060	29 247	92 959	8 771	18 626	27 397	25 539	52 937	145 896	
2012	4 754	18 898	23 653	16 079	12 744	4 326	26 285	83 088	9 030	17 553	26 584	25 664	52 247	135 336	
2013	5 044	20 749	25 792	16 359	11 594	3 978	26 497	84 219	8 719	18 064	26 782	26 510	53 292	137 512	
2014	6 688	26 442	33 130	16 215	11 700	4 686	28 241	93 971	9 030	19 627	28 657	28 491	57 148	151 119	
2015	5 605	29 037	34 642	19 332	11 780	5 256	28 995	100 006	9 133	20 182	29 316	27 586	56 901	156 907	
2016	5 326	32 815	38 141	19 101	12 256	4 916	31 237	105 652	8 690	21 318	30 007	27 677	57 685	163 337	
2017	6 205	35 477	41 681	21 454	11 978	4 965	33 180	113 259	8 458	22 744	31 202	28 807	60 009	173 268	
2018	6 041	37 475	43 516	22 222	10 644	5 475	30 887	112 744	8 131	22 699	30 830	29 757	60 587	173 330	
2019	7 006	39 199	46 204	22 888	10 427	5 729	30 234	115 484	8 157	22 740	30 897	30 155	61 052	176 535	
2020	4 722	31 707	36 429	21 758	9 569	4 668	23 511	95 935	6 738	19 927	26 665	27 633	54 298	150 232	

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.







# 2B.A CONSTRUCTION OUTPUT: VOLUME NON-SEASONALLY ADJUSTED BY SECTOR

£ million

	New Housing			Other New Work					Repair and Maintenance					All Repair and Maintenance	All Work
	Public housing	Private housing	Total new housing	Infra-structure	Excluding Infrastructure			All new work	Housing			Non housing R&M			
					Public	Private industrial	Private commercial		Public housing	Private housing	Total housing				
	MV4B	MV4C	MVLR	MV4D	MV4E	MV4F	MV4G	MV4H	MV4I	MV4J	MV4K	MV4L	MV4M	MV4N	
1997	2 155	17 873	20 028	13 894	5 922	8 589	24 953	73 387	10 140	21 364	31 504	22 738	54 242	127 629	
1998	1 743	18 038	19 781	13 501	6 235	8 743	27 030	75 290	9 467	21 799	31 266	22 975	54 241	129 531	
1999	1 517	16 300	17 817	13 182	7 051	9 060	30 398	77 509	9 119	21 623	30 743	22 947	53 689	131 198	
2000	1 901	18 164	20 065	12 338	6 662	8 068	30 552	77 685	8 805	21 669	30 474	24 090	54 564	132 249	
2001	1 945	16 956	18 900	13 204	6 722	8 242	30 322	77 390	8 324	22 611	30 934	26 293	57 228	134 617	
2002	2 200	18 463	20 663	14 927	8 498	6 531	31 308	81 927	7 895	24 474	32 370	28 015	60 385	142 312	
2003	2 508	23 072	25 580	14 080	10 676	6 905	30 197	87 439	8 931	23 931	32 862	28 823	61 685	149 124	
2004	3 024	28 138	31 162	12 337	12 035	7 138	33 425	96 096	9 833	23 333	33 166	27 646	60 812	156 908	
2005	2 848	29 008	31 856	11 853	10 844	7 011	32 030	93 595	9 788	21 292	31 080	28 405	59 485	153 080	
2006	3 371	29 221	32 592	10 973	10 008	7 633	34 912	96 116	9 407	20 056	29 464	28 593	58 057	154 173	
2007	3 902	28 850	32 752	10 860	9 874	7 478	38 563	99 527	8 947	19 623	28 570	29 367	57 937	157 464	
2008	3 531	22 423	25 955	12 090	11 000	5 794	39 080	93 919	9 223	19 875	29 098	30 391	59 489	153 408	
2009	3 603	15 398	19 001	13 842	13 304	4 064	29 261	79 473	8 962	17 361	26 323	27 421	53 744	133 216	
2010	5 559	18 110	23 669	17 507	17 532	4 505	28 838	92 050	9 582	18 567	28 149	24 267	52 417	144 466	
2011	5 696	19 671	25 368	18 101	16 183	4 060	29 247	92 959	8 771	18 626	27 397	25 539	52 937	145 896	
2012	4 754	18 898	23 653	16 079	12 744	4 326	26 285	83 088	9 030	17 553	26 584	25 664	52 247	135 336	
2013	5 044	20 749	25 792	16 359	11 594	3 978	26 497	84 219	8 719	18 064	26 782	26 510	53 292	137 512	
2014	6 688	26 442	33 130	16 215	11 700	4 686	28 241	93 971	9 030	19 627	28 657	28 491	57 148	151 119	
2015	5 605	29 037	34 642	19 332	11 780	5 256	28 995	100 006	9 133	20 182	29 316	27 586	56 901	156 907	
2016	5 326	32 815	38 141	19 101	12 256	4 916	31 237	105 652	8 690	21 318	30 007	27 677	57 685	163 337	
2017	6 205	35 477	41 681	21 454	11 978	4 965	33 180	113 259	8 458	22 744	31 202	28 807	60 009	173 268	
2018	6 041	37 475	43 516	22 222	10 644	5 475	30 887	112 744	8 131	22 699	30 830	29 757	60 587	173 330	
2019	7 006	39 199	46 204	22 888	10 427	5 729	30 234	115 484	8 157	22 740	30 897	30 155	61 052	176 535	
2020	4 722	31 707	36 429	21 758	9 569	4 668	23 511	95 935	6 738	19 927	26 665	27 633	54 298	150 232	

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.





# 3A.A CONSTRUCTION OUTPUT: VOLUME SEASONALLY ADJUSTED PERCENTAGE CHANGE ON SAME PERIOD A YEAR EARLIER

%

	New Housing			Other New Work				Repair and Maintenance					All Repair and Maintenance	All Work
	Public housing	Private housing	Total housing	Infra- structure	Excluding Infrastructure			All new work	Housing			Non housing R&M		
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing			
	MV5H	MV5I	MVM3	MV5J	MV5K	MV5L	MV5M	MV5N	MV5O	MV5P	MV5Q	MV5R	MV5S	MV5T
1998	-19.0	1.0	-1.2	-2.8	5.4	1.9	8.4	2.6	-6.6	2.1	-1.5	1.1	-0.2	1.5
1999	-13.3	-10.0	-10.3	-2.8	12.6	3.2	12.0	3.0	-4.1	-1.2	-2.4	-0.6	-1.5	1.3
2000	25.5	11.7	12.9	-6.2	-5.3	-10.7	0.8	0.2	-3.2	0.5	-1.0	5.3	2.1	0.9
2001	2.3	-6.7	-5.8	7.1	0.9	2.2	-0.7	-0.1	-5.4	4.4	0.7	9.2	4.9	1.8
2002	13.2	9.0	9.4	13.1	26.5	-20.7	3.3	6.1	-5.1	8.3	3.4	6.6	5.1	5.7
2003	13.8	24.8	23.6	-5.7	25.5	5.6	-3.6	6.0	13.1	-2.3	2.7	2.8	2.8	4.8
2004	20.1	21.5	21.4	-12.7	12.3	3.0	10.3	9.5	9.7	-2.9	1.4	-4.4	-1.7	5.3
2005	-5.9	2.9	2.0	-4.1	-10.0	-2.0	-4.3	-2.9	-0.6	-8.9	-6.0	2.6	-1.6	-2.4
2006	17.9	0.3	1.9	-7.8	-8.1	8.4	8.5	2.6	-4.3	-6.2	-5.5	0.2	-2.5	0.8
2007	15.5	-1.6	0.2	-1.4	-1.7	-2.4	10.1	3.5	-5.3	-2.5	-3.5	2.3	-0.4	2.2
2008	-9.6	-22.4	-20.8	11.2	11.2	-22.6	1.2	-5.3	2.9	1.1	1.7	3.3	2.6	-2.6
2009	2.0	-31.3	-26.6	14.5	21.0	-29.8	-25.1	-15.3	-2.7	-12.6	-9.3	-9.7	-9.5	-13.2
2010	56.5	21.4	28.2	27.3	31.9	10.9	-2.1	16.3	8.6	9.5	9.4	-14.5	-3.1	8.5
2011	2.5	8.6	7.2	3.4	-7.7	-9.9	1.4	1.0	-8.5	0.3	-2.7	5.2	1.0	1.0
2012	-16.5	-3.9	-6.8	-11.2	-21.2	6.6	-10.1	-10.6	3.0	-5.8	-3.0	0.5	-1.3	-7.2
2013	6.1	9.8	9.0	1.7	-9.0	-8.1	0.8	1.4	-3.5	2.9	0.7	3.3	2.0	1.6
2014	32.6	27.4	28.4	-0.9	0.9	17.8	6.6	11.6	3.6	8.7	7.0	7.5	7.2	9.9
2015	-16.2	9.8	4.6	19.2	0.7	12.2	2.7	6.4	1.1	2.8	2.3	-3.2	-0.4	3.8
2016	-5.0	13.0	10.1	-1.2	4.0	-6.5	7.7	5.6	-4.9	5.6	2.4	0.3	1.4	4.1
2017	16.5	8.1	9.3	12.3	-2.3	1.0	6.2	7.2	-2.7	6.7	4.0	4.1	4.0	6.1
2018	-2.6	5.6	4.4	3.6	-11.1	10.3	-6.9	-0.5	-3.9	-0.2	-1.2	3.3	1.0	-
2019	16.0	4.6	6.2	3.0	-2.0	4.6	-2.1	2.4	0.3	0.2	0.2	1.3	0.8	1.8
2020	-32.6	-19.1	-21.2	-4.9	-8.2	-18.5	-22.2	-16.9	-17.4	-12.4	-13.7	-8.4	-11.1	-14.9

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.





# 3B.A CONSTRUCTION OUTPUT: VOLUME SEASONALLY ADJUSTED PERCENTAGE CHANGE ON SAME PERIOD A YEAR EARLIER BY SECTOR

%

	New Housing				Other New Work				Repair and Maintenance					All Repair and Maintenance	All Work
	Public housing	Private housing	Total new housing	Infra- structure	Excluding Infrastructure			All new work	Housing			Non housing R&M			
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing				
	MV5H	MV5I	MVM3	MV5J	MV5K	MV5L	MV5M	MV5N	MV5O	MV5P	MV5Q	MV5R	MV5S	MV5T	
1998	-19.0	1.0	-1.2	-2.8	5.4	1.9	8.4	2.6	-6.6	2.1	-1.5	1.1	-0.2	1.5	
1999	-13.3	-10.0	-10.3	-2.8	12.6	3.2	12.0	3.0	-4.1	-1.2	-2.4	-0.6	-1.5	1.3	
2000	25.5	11.7	12.9	-6.2	-5.3	-10.7	0.8	0.2	-3.2	0.5	-1.0	5.3	2.1	0.9	
2001	2.3	-6.7	-5.8	7.1	0.9	2.2	-0.7	-0.1	-5.4	4.4	0.7	9.2	4.9	1.8	
2002	13.2	9.0	9.4	13.1	26.5	-20.7	3.3	6.1	-5.1	8.3	3.4	6.6	5.1	5.7	
2003	13.8	24.8	23.6	-5.7	25.5	5.6	-3.6	6.0	13.1	-2.3	2.7	2.8	2.8	4.8	
2004	20.1	21.5	21.4	-12.7	12.3	3.0	10.3	9.5	9.7	-2.9	1.4	-4.4	-1.7	5.3	
2005	-5.9	2.9	2.0	-4.1	-10.0	-2.0	-4.3	-2.9	-0.6	-8.9	-6.0	2.6	-1.6	-2.4	
2006	17.9	0.3	1.9	-7.8	-8.1	8.4	8.5	2.6	-4.3	-6.2	-5.5	0.2	-2.5	0.8	
2007	15.5	-1.6	0.2	-1.4	-1.7	-2.4	10.1	3.5	-5.3	-2.5	-3.5	2.3	-0.4	2.2	
2008	-9.6	-22.4	-20.8	11.2	11.2	-22.6	1.2	-5.3	2.9	1.1	1.7	3.3	2.6	-2.6	
2009	2.0	-31.3	-26.6	14.5	21.0	-29.8	-25.1	-15.3	-2.7	-12.6	-9.3	-9.7	-9.5	-13.2	
2010	56.5	21.4	28.2	27.3	31.9	10.9	-2.1	16.3	8.6	9.5	9.4	-14.5	-3.1	8.5	
2011	2.5	8.6	7.2	3.4	-7.7	-9.9	1.4	1.0	-8.5	0.3	-2.7	5.2	1.0	1.0	
2012	-16.5	-3.9	-6.8	-11.2	-21.2	6.6	-10.1	-10.6	3.0	-5.8	-3.0	0.5	-1.3	-7.2	
2013	6.1	9.8	9.0	1.7	-9.0	-8.1	0.8	1.4	-3.5	2.9	0.7	3.3	2.0	1.6	
2014	32.6	27.4	28.4	-0.9	0.9	17.8	6.6	11.6	3.6	8.7	7.0	7.5	7.2	9.9	
2015	-16.2	9.8	4.6	19.2	0.7	12.2	2.7	6.4	1.1	2.8	2.3	-3.2	-0.4	3.8	
2016	-5.0	13.0	10.1	-1.2	4.0	-6.5	7.7	5.6	-4.9	5.6	2.4	0.3	1.4	4.1	
2017	16.5	8.1	9.3	12.3	-2.3	1.0	6.2	7.2	-2.7	6.7	4.0	4.1	4.0	6.1	
2018	-2.6	5.6	4.4	3.6	-11.1	10.3	-6.9	-0.5	-3.9	-0.2	-1.2	3.3	1.0	-	
2019	16.0	4.6	6.2	3.0	-2.0	4.6	-2.1	2.4	0.3	0.2	0.2	1.3	0.8	1.8	
2020	-32.6	-19.1	-21.2	-4.9	-8.2	-18.5	-22.2	-16.9	-17.4	-12.4	-13.7	-8.4	-11.1	-14.9	

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.







# 4A.A CONSTRUCTION OUTPUT: VALUE SEASONALLY ADJUSTED CURRENT PRICES BY SECTOR

£ million

	New Housing			Other New Work				Repair and Maintenance							All Repair and Mainten- ance	All Work
	Public housing	Private housing	Total new housing	Infra- struc- ture	Excluding Infrastructure			All new work	Housing			Other Work				
					Public	Private industr- ial	Private commerc- ial		Public housing	Private housing	Total housing	Infra- struc- ture	Public	Private		
MVM9	MVN2	MVN3	MVN4	MVN5	MVN6	MVN7	MVN8	MVN9	MVNM	MVO2	N42T	N42U	N42V	MVO4	MVO5	
1997	1 028	7 559	8 587	7 953	3 063	4 536	12 631	36 770	5 229	7 460	12 689	-	4 669	6 862	24 220	60 990
1998	881	8 146	9 027	7 703	3 343	4 893	14 747	39 713	5 110	7 890	13 000	-	4 778	7 334	25 112	64 825
1999	824	8 079	8 903	7 610	3 907	5 030	17 713	43 163	5 059	7 990	13 049	-	4 882	7 487	25 418	68 581
2000	1 075	9 475	10 550	7 941	3 863	4 717	18 608	45 679	5 104	8 358	13 462	-	5 158	8 412	27 032	72 711
2001	1 174	9 639	10 813	8 814	4 253	4 709	19 988	48 577	5 164	8 870	14 034	-	5 541	9 808	29 383	77 960
2002	1 411	11 453	12 864	10 033	5 517	4 323	22 220	54 957	4 974	10 255	15 229	-	6 065	10 969	32 263	87 220
2003	1 706	15 017	16 723	9 333	7 280	4 765	22 893	60 994	5 781	11 146	16 927	-	7 168	12 169	36 264	97 258
2004	2 210	18 977	21 187	8 243	8 638	5 210	25 509	68 787	6 414	11 951	18 365	-	7 215	12 291	37 871	106 658
2005	2 251	20 715	22 966	8 241	8 362	5 610	26 325	71 504	6 642	12 276	18 918	-	8 044	13 027	39 989	111 493
2006	2 853	21 765	24 618	8 178	8 047	6 308	30 121	77 272	6 819	12 568	19 387	-	7 868	13 794	41 049	118 321
2007	3 480	22 146	25 626	8 642	8 347	6 438	34 404	83 457	6 885	13 476	20 361	-	7 439	15 807	43 607	127 064
2008	3 299	18 138	21 437	9 715	9 988	5 339	35 190	81 669	7 467	14 708	22 175	-	8 635	16 165	46 975	128 644
2009	3 327	12 592	15 919	10 738	11 857	3 515	25 558	67 587	7 417	13 283	20 700	-	8 631	14 165	43 496	111 083
2010	4 893	14 839	19 732	13 540	14 372	3 551	23 710	74 905	7 871	14 405	22 276	6 841	5 074	8 290	42 480	117 385
2011	4 938	16 334	21 271	14 618	13 291	3 349	24 031	76 560	7 195	15 086	22 281	7 508	5 004	8 897	43 691	120 251
2012	4 049	16 066	20 116	13 675	10 826	3 688	22 332	70 637	7 675	14 921	22 596	7 607	4 951	9 173	44 327	114 964
2013	4 323	18 088	22 410	14 463	10 265	3 489	23 502	74 129	7 625	16 046	23 671	7 817	5 352	9 673	46 513	120 642
2014	5 809	23 717	29 525	14 792	10 564	4 186	25 868	84 935	7 925	17 661	25 585	8 511	5 539	10 632	50 267	135 202
2015	4 908	26 261	31 169	17 771	10 755	4 728	26 846	91 269	8 014	18 162	26 176	8 140	4 875	10 985	50 176	141 446
2016	4 806	30 573	35 379	17 765	11 508	4 588	29 751	98 991	7 712	19 408	27 120	7 871	4 909	11 659	51 559	150 550
2017	5 826	34 406	40 233	20 107	11 521	4 826	32 370	109 056	7 649	21 095	28 744	8 475	5 028	12 508	54 754	163 810
2018	5 886	37 695	43 581	21 526	10 581	5 529	31 136	112 354	7 468	21 385	28 853	8 974	4 885	13 442	56 153	168 508
2019	7 027	40 600	47 627	23 252	10 718	5 965	31 525	119 087	7 589	21 696	29 285	9 291	5 251	13 622	57 448	176 535
2020	4 766	33 071	37 837	22 453	9 897	4 865	24 661	99 713	6 321	19 178	25 500	9 492	4 857	11 659	51 508	151 220

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.





# 4A CONSTRUCTION OUTPUT: VALUE NON-SEASONALLY ADJUSTED CURRENT PRICES BY SECTOR

£ million

	New Housing			Other New Work				Repair and Maintenance				Other Work		All Repair and Maintenance	All Work	
	Public housing	Private housing	Total new housing	Infra-structure	Excluding Infrastructure			All new work	Housing			Public	Private			
					Public	Private industrial	Private commercial		Public housing	Private housing	Total housing					Infra-structure
	MV6L	MV6M	MV6N	MV6O	MV6P	MV6Q	MV6R	MV6S	MV6T	MV6V	MV6W	MV6X	MV6Y	MV6Z	MV72	
1997	1 028	7 559	8 587	7 953	3 063	4 536	12 631	36 770	5 229	7 460	12 689	-	4 669	6 862	24 220	60 990
1998	881	8 146	9 027	7 703	3 343	4 893	14 747	39 713	5 110	7 890	13 000	-	4 778	7 334	25 112	64 825
1999	824	8 079	8 903	7 610	3 907	5 030	17 713	43 163	5 059	7 990	13 049	-	4 882	7 487	25 418	68 581
2000	1 075	9 475	10 550	7 941	3 863	4 717	18 608	45 679	5 104	8 358	13 462	-	5 158	8 412	27 032	72 711
2001	1 174	9 639	10 813	8 814	4 253	4 709	19 988	48 577	5 164	8 870	14 034	-	5 541	9 808	29 383	77 960
2002	1 411	11 453	12 864	10 033	5 517	4 323	22 220	54 957	4 974	10 255	15 229	-	6 065	10 969	32 263	87 220
2003	1 706	15 017	16 723	9 333	7 280	4 765	22 893	60 994	5 781	11 146	16 927	-	7 168	12 169	36 264	97 258
2004	2 210	18 977	21 187	8 243	8 638	5 210	25 509	68 787	6 414	11 951	18 365	-	7 215	12 291	37 871	106 658
2005	2 251	20 715	22 966	8 241	8 362	5 610	26 325	71 504	6 642	12 276	18 918	-	8 044	13 027	39 989	111 493
2006	2 853	21 765	24 618	8 178	8 047	6 308	30 121	77 272	6 819	12 568	19 387	-	7 868	13 794	41 049	118 321
2007	3 480	22 146	25 626	8 642	8 347	6 438	34 404	83 457	6 885	13 476	20 361	-	7 439	15 807	43 607	127 064
2008	3 299	18 138	21 437	9 715	9 988	5 339	35 190	81 669	7 467	14 708	22 175	-	8 635	16 165	46 975	128 644
2009	3 327	12 592	15 919	10 738	11 857	3 515	25 558	67 587	7 417	13 283	20 700	-	8 631	14 165	43 496	111 083
2010	4 893	14 839	19 732	13 540	14 372	3 551	23 710	74 905	7 871	14 405	22 276	6 841	5 074	8 290	42 480	117 385
2011	4 938	16 334	21 271	14 618	13 291	3 349	24 031	76 560	7 195	15 086	22 281	7 508	5 004	8 897	43 691	120 251
2012	4 049	16 066	20 116	13 675	10 826	3 688	22 332	70 637	7 675	14 921	22 596	7 607	4 951	9 173	44 327	114 964
2013	4 323	18 088	22 410	14 463	10 265	3 489	23 502	74 129	7 625	16 046	23 671	7 817	5 352	9 673	46 513	120 642
2014	5 809	23 717	29 525	14 792	10 564	4 186	25 868	84 935	7 925	17 661	25 585	8 511	5 539	10 632	50 267	135 202
2015	4 908	26 261	31 169	17 771	10 755	4 728	26 846	91 269	8 014	18 162	26 176	8 140	4 875	10 985	50 176	141 446
2016	4 806	30 573	35 379	17 765	11 508	4 588	29 751	98 991	7 712	19 408	27 120	7 871	4 909	11 659	51 559	150 550
2017	5 826	34 406	40 233	20 107	11 521	4 826	32 370	109 056	7 649	21 095	28 744	8 475	5 028	12 508	54 754	163 810
2018	5 886	37 695	43 581	21 526	10 581	5 529	31 136	112 354	7 468	21 385	28 853	8 974	4 885	13 442	56 153	168 508
2019	7 027	40 600	47 627	23 252	10 718	5 965	31 525	119 087	7 589	21 696	29 285	9 291	5 251	13 622	57 448	176 535
2020	4 766	33 071	37 837	22 453	9 897	4 865	24 661	99 713	6 321	19 178	25 500	9 492	4 857	11 659	51 508	151 220

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.











# 6A.A CONSTRUCTION OUTPUT: IMPLIED PRICE DEFLATOR NON-SEASONALLY ADJUSTED INDEX NUMBER BY SECTOR

Index 2019 = 100

	New Housing			Other New Work				Repair and Maintenance					All Repair and Maintena- nce	All Work
	Public housing	Private housing	Total new housing	Infra- struc- ture	Excluding Infrastructure			All new work	Housing			Non housing R&M		
					Public	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing			
	MVK3	MVK4	MVM6	MVK5	MVK6	MVK7	MVK8	MVK9	MVKB	MVL2	MVL3	MVL4	MVL5	MVL6
1997	47.5	40.8	41.6	56.3	50.3	50.7	48.5	48.6	55.4	36.6	42.5	54.3	47.5	47.8
1998	50.4	43.6	44.3	56.2	52.2	53.8	52.3	51.2	58.0	37.9	43.9	56.4	49.2	50.0
1999	54.1	47.9	48.5	56.8	53.9	53.3	55.9	54.0	59.6	38.7	44.8	57.7	50.3	52.3
2000	56.4	50.4	51.0	63.4	56.4	56.2	58.4	57.0	62.3	40.4	46.6	60.3	52.6	55.0
2001	60.2	54.9	55.5	65.7	61.6	54.9	63.2	60.9	66.7	41.1	47.9	62.5	54.6	57.9
2002	63.9	59.9	60.4	66.2	63.2	63.6	68.1	65.1	67.7	43.9	49.6	65.1	56.8	61.3
2003	67.8	62.8	63.4	65.2	66.3	66.3	72.7	67.6	69.6	48.8	54.3	71.8	62.5	65.2
2004	72.9	65.1	66.0	65.8	69.8	70.1	73.2	69.4	70.1	53.7	58.4	75.5	66.2	68.0
2005	78.8	68.9	69.9	68.4	75.0	76.9	78.8	74.1	72.9	60.4	64.2	79.4	71.4	72.8
2006	84.4	71.9	73.3	73.4	78.2	79.4	82.7	78.0	77.9	65.7	69.4	81.1	75.1	76.7
2007	88.9	74.1	75.9	78.3	82.2	82.7	85.6	81.3	82.7	72.0	75.2	84.8	80.0	80.7
2008	93.1	78.1	80.1	79.1	88.3	88.5	86.4	84.3	87.0	77.6	80.4	87.4	83.9	83.9
2009	92.1	79.0	81.3	76.4	86.7	83.1	83.8	82.5	89.0	80.2	83.0	89.0	86.0	83.4
2010	87.7	79.1	80.9	76.1	79.8	75.7	78.9	78.9	88.3	81.3	83.5	89.1	86.1	81.3
2011	86.4	80.2	81.3	79.5	79.9	79.2	78.8	79.9	88.2	84.9	85.8	89.8	87.7	82.4
2012	84.9	82.1	82.5	83.7	82.6	81.9	81.5	82.4	91.4	89.1	89.7	90.7	90.2	84.9
2013	85.4	84.2	84.3	87.0	86.1	84.3	85.1	85.4	94.0	93.1	93.2	92.3	92.8	87.7
2014	86.6	86.6	86.5	89.8	87.8	85.8	87.8	87.6	94.3	94.3	94.2	92.8	93.5	89.5
2015	87.3	87.3	87.3	90.5	88.8	86.4	88.8	88.5	94.3	94.3	94.2	93.2	93.7	90.1
2016	89.9	90.0	90.0	91.6	91.4	89.6	91.3	90.9	95.4	95.4	95.4	94.5	95.0	92.2
2017	93.6	93.6	93.6	92.3	93.6	93.3	93.6	93.4	97.2	97.2	97.2	96.7	97.0	94.5
2018	97.1	97.1	97.2	95.4	96.7	97.0	96.7	96.6	98.7	98.7	98.7	98.2	98.5	97.2
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	100.6	100.7	100.8	101.6	100.6	100.1	100.6	100.8	100.8	100.9	100.9	100.8	100.8	100.7

Users of these data should note that there may be instances where the period on period growths for the same component differ between tables. This is due to the growth rates being calculated at a higher precision than 1 dp within the production system. This accuracy is truncated when transferred into the published tables.



