

Statistical bulletin

Construction output in Great Britain: December 2018

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

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Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [Construction output in December 2018](#)
4. [Detailed growth rates](#)
5. [Revisions](#)
6. [Looking back on 2018](#)
7. [Links to related statistics](#)
8. [Other useful links](#)
9. [Quality and methodology](#)
10. [Construction statistics engagement and development](#)

1 . Main points

- The all work series decreased by 0.3% in Quarter 4 (Oct to Dec) 2018, following an increase of 2.1% in Quarter 3 (July to Sept) 2018; this decrease was driven by repair and maintenance output, which was down by 2.8%.
- The decrease in repair and maintenance was caused by drops in private housing and non-housing repair and maintenance output of 4.0% and 2.9% respectively.
- These falls were offset somewhat by a 1.1% increase in all new work, driven by increases of 1.9% in infrastructure and 1.4% in private commercial new work.
- The monthly series saw a sharper decline, with the all work series in December 2018 decreasing by 2.8% below the level seen in November 2018; this is the largest month-on-month fall in growth for all work since June 2012, when the series dropped by 4.3%.
- When compared with 2017, the level of all work in 2018 saw a 0.7% increase; this was the lowest annual growth since 2012, which saw a 6.9% decrease in annual output.

2 . Things you need to know about this release

The monthly business survey, Construction output, collects output by sector from businesses in the construction industry within Great Britain. Output is defined as the amount chargeable to customers for building and civil engineering work done in the relevant period excluding Value Added Tax (VAT) and payments to sub-contractors.

The survey's results are used to produce seasonally adjusted monthly, quarterly and annual estimates of output in the construction industry at current price and at chained volume measures (removing the effect of changes in price). The estimates are widely used by private and public sector institutions, particularly by the Bank of England and Her Majesty's Treasury, to assist in informed decision-making and policymaking. Construction output is an important economic indicator and is also therefore used in the compilation of the output measure of gross domestic product (GDP).

Further information on output is gained from VAT turnover data, which is used to replace survey data for small- and medium-sized businesses. However, due to the delay in companies making VAT returns, this data is only taken on after a lag period. Currently, VAT turnover data is only used for the period Quarter 1 (Jan to Mar) 2016 to Quarter 2 (Apr to June) 2018. Data on new orders supplied by [Barbour ABI](#) is used to model the breakdown of the overall output figures for Great Britain into the lower level and regional data seen in Tables 5 and 6 of the dataset.

Summary information can be found in the [Construction output quality and methodology information report](#).

Compared with the previous [Construction output in Great Britain: November 2018](#) publication released on 11 January 2019, this publication contains revisions to the back series for the entirety of 2018, as we now have a full year of data available.

Revisions can be made for a variety of reasons, the most common include:

- late responses to surveys replacing imputations, or revisions to original returns
- revisions to seasonal adjustment factors, which are re-estimated every month and reviewed annually
- HM Revenue and Customs (HMRC) VAT returns replacing Monthly Business Survey (MBS) data for small- and medium-sized businesses when VAT estimates become available each quarter; please note: the period the VAT estimates are taken on from is the same as last publication.
- revisions to the input series for the output price indices

We use methods to impute data for businesses that have not yet returned their Office for National Statistics (ONS) survey, along with a further adjustment to address any bias in early survey responses for construction output. Full details of these methods, and other recent improvements, can be found in [Improvements to construction statistics: Addressing the bias in early estimates of construction output, June 2018](#) published on 4 June 2018.

3 . Construction output in December 2018

Construction output decreased by 0.3% in Quarter 4 (Oct to Dec) 2018. This follows a relatively strong period of growth in Quarter 3 (July to Sept) 2018 of 2.1%. The decrease in Quarter 4 2018 was driven by a 2.8% drop in repair and maintenance, which outweighed a 1.1% increase in new work between Quarter 3 and Quarter 4. The biggest contributors to the fall were private housing and non-housing repair and maintenance, which fell by 4.0% and 2.9% respectively in the most recent period.

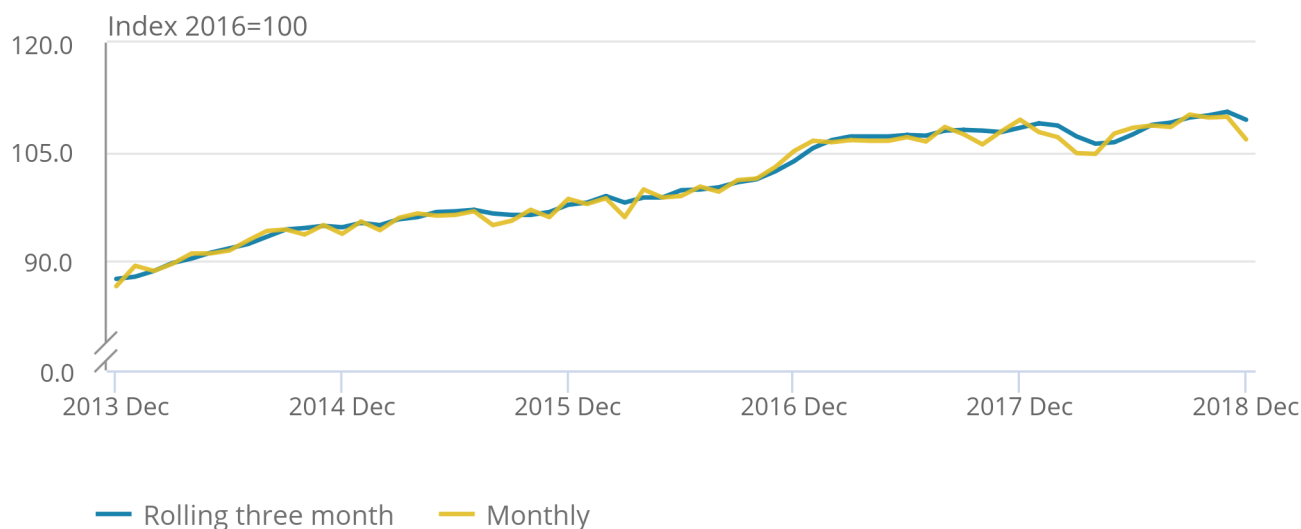
The rolling three-month time series provides a more comprehensive picture of the underlying trends within the industry, compared with the more volatile monthly series, which is also shown in Figure 1.

Figure 1: Both rolling three-month and monthly indicators for all work see declines in December 2018

Chained volume measure, seasonally adjusted, Great Britain

Figure 1: Both rolling three-month and monthly indicators for all work see declines in December 2018

Chained volume measure, seasonally adjusted, Great Britain



Source: Office for National Statistics - Construction Output and Employment

Following continued strength since June 2018, the rolling three-month on three-month series remains at a relatively high level compared with the earlier half of the year, despite the slight fall in the three months to December 2018. The current level is below the value seen in September 2018, but is higher than any point prior to then.

A large decrease in December 2018 can be seen in the all work, seasonally adjusted chained volume measure, where it has decreased by 2.8% relative to November 2018. This is the largest month-on-month fall in growth for all work since June 2012, when the series dropped by 4.3%. This fall in output means the monthly series finishes the year £339 million lower than the same time last year. Despite this fall, April 2018 remains the lowest point for the year of 2018, with the December value being £250 million higher than this period.

Contributions to growth

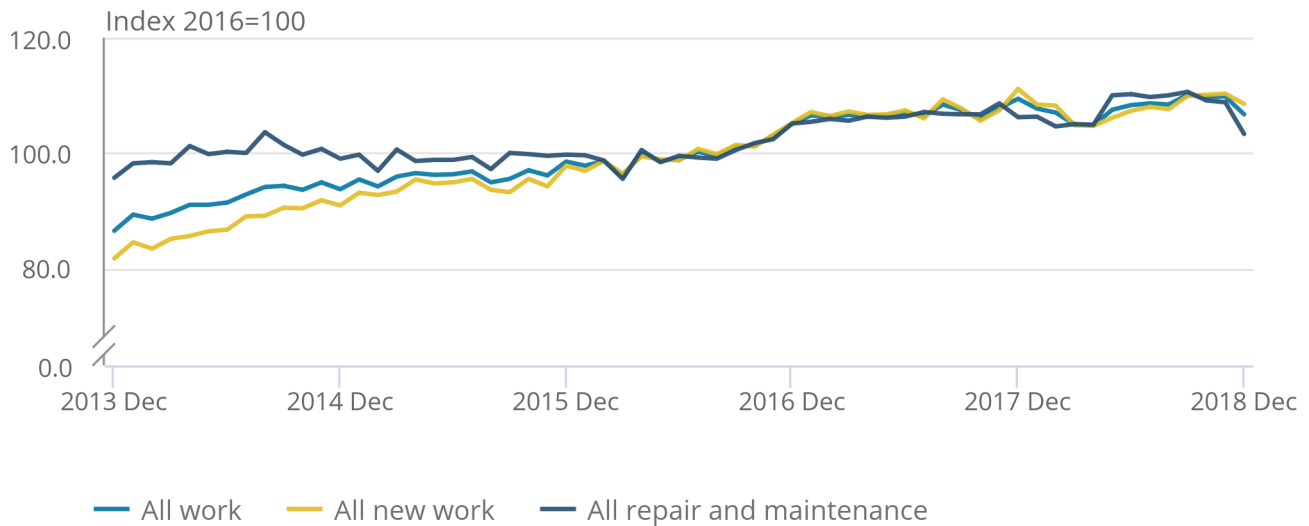
Construction output can be broken down by different types of work; these are categorised into all new work, and repair and maintenance, as shown in Figure 2. It is worth noting that all new work accounts for approximately two-thirds of all work, while repair and maintenance accounts for approximately one-third.

Figure 2: Repair and maintenance sees sharper declines than new work in December 2018

Chained volume measure, seasonally adjusted, Great Britain

Figure 2: Repair and maintenance sees sharper declines than new work in December 2018

Chained volume measure, seasonally adjusted, Great Britain



Source: Office for National Statistics - Construction Output and Employment

Figure 2 shows that both repair and maintenance and new work have seen notable declines in December 2018, decreasing by 5.0% and 1.6% respectively in the monthly chained volume measure, seasonally adjusted series. This is the third consecutive monthly decline seen in the repair and maintenance series and puts the series at its lowest output value since November 2016. All subcategories of the repair and maintenance series have seen declines month-on-month, however the fall is primarily driven by a 5.9% decrease in non-housing repair and maintenance.

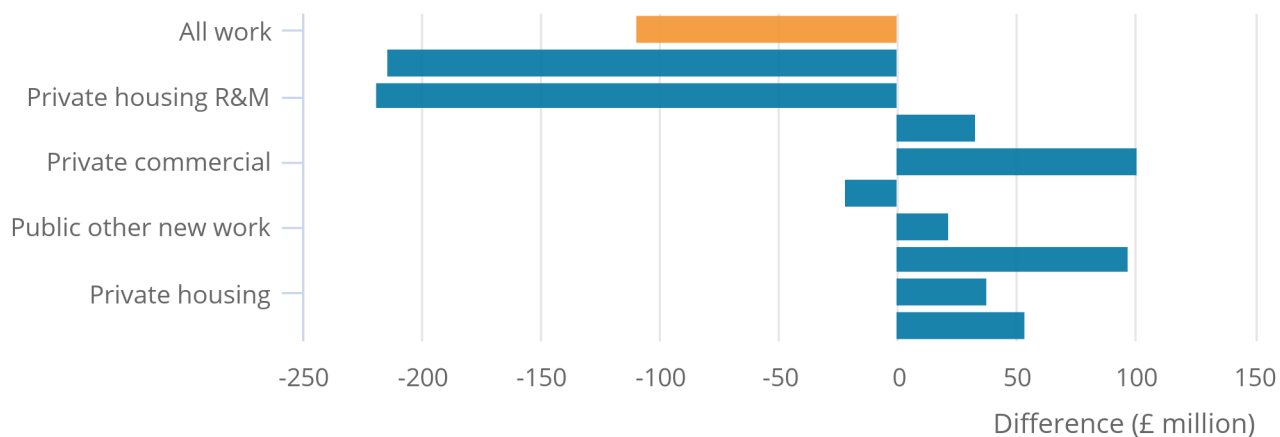
In the new work series, a decline of 6.8% in private new housing had a greater impact on the overall performance of the series, to the extent that even a 10.9% increase in the smaller public new housing series was not enough to offset it. In contrast to the trend of declines in December were public other new work and private industrial new work, which increased by 4.5% and 3.7% respectively.

Figure 3: Repair and maintenance sees large declines quarter-on-quarter, while new work sees gains

October to December 2018 compared with July to September 2018, chained volume measure, seasonally adjusted, Great Britain

Figure 3: Repair and maintenance sees large declines quarter-on-quarter, while new work sees gains

October to December 2018 compared with July to September 2018, chained volume measure, seasonally adjusted, Great Britain



Source: Office for National Statistics - Construction Output and Employment

Notes:

1. Please note that sector estimates may not sum due to rounding.

Figure 3 shows the difference in the growth from the different construction sectors for Quarter 4 (Oct to Dec) 2018 in comparison with Quarter 3 (July to Sept) 2018, taken from the seasonally adjusted chained volume measure series. Construction output fell by £109 million in Quarter 4 2018 relative to Quarter 3 2018.

The most notable contributions to this decline came from private housing and non-housing repair and maintenance, which fell by £219 million and £214 million respectively. Despite being offset slightly by a £33 million increase in public housing repair and maintenance, this led to a total decline of £400 million in repair and maintenance. This was the largest three-month on three-month fall seen since October 2012.

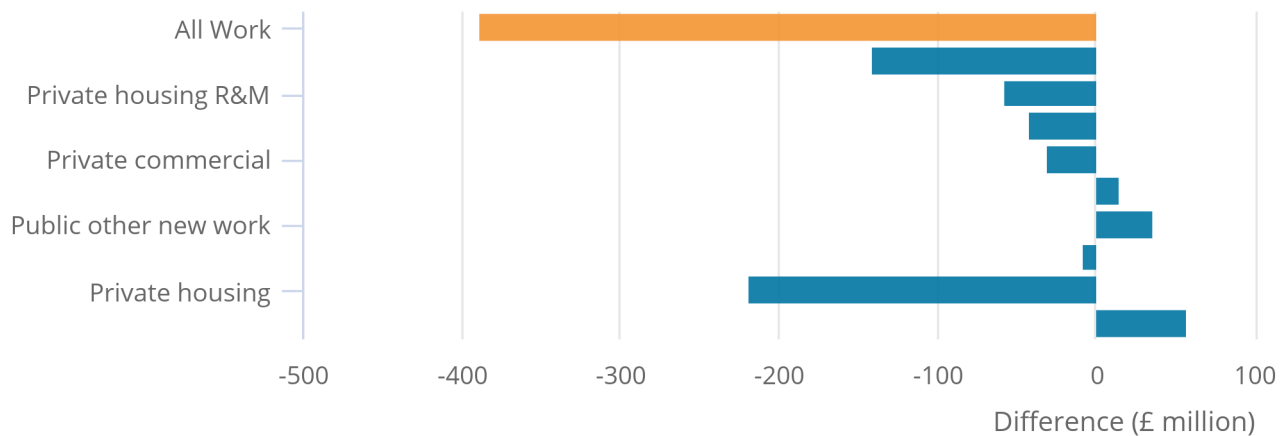
In contrast, new work is almost universally up quarter on quarter, with only private industrial new work showing a decline of £22 million. The overall growth is primarily driven by private commercial new work and infrastructure, which grew against their Quarter 3 2018 values by £101 million and £97 million respectively.

Figure 4: Private housing new work and non-housing repair and maintenance (R&M) show declines in construction output

December 2018 compared with November 2018, chained volume measure, seasonally adjusted, Great Britain

Figure 4: Private housing new work and non-housing repair and maintenance (R&M) show declines in construction output

December 2018 compared with November 2018, chained volume measure, seasonally adjusted, Great Britain



Source: Office for National Statistics - Construction Output and Employment

Notes:

1. Please note that sector estimates may not sum due to rounding.

Figure 4 shows the difference in month-on-month growth from the different construction sectors, taken from the seasonally adjusted chained volume measure series. Construction output fell by £388 million in December 2018 relative to November 2018. This was the largest month-on-month fall since June 2012.

When looking at all work, there is a clear split between its components. The biggest decline is seen in private housing new work, which fell by £219 million. Against that, public housing new work increased by a comparatively small £57 million. Other new work saw a slight increase overall, with growth in public other new work of 4.5% and private industrial new work of 3.7% being enough to offset falls in private commercial new work and new infrastructure of 1.2% and 0.4% respectively.

Looking in greater detail at repair and maintenance, the fall seen was primarily due to the £140 million decline in non-housing repair and maintenance, with this being 59% of the overall £240 million drop seen in the total repair and maintenance series.

4 . Detailed growth rates

Table 1 provides a detailed description of the growth rates of each work type, alongside the seasonally adjusted chained volume measure level of output.

Table 1: Construction output main figures, December 2018, Great Britain
Seasonally adjusted, chained volume measure (£ million) and percentage change

	Volume £ million	Most recent month on the previous month	Most recent month on year	Most recent three-months on three-months earlier	Most recent three-months on year
Total all work	13,498	-2.8	-2.4	-0.3	0.9
Total all new work	8,974	-1.6	-2.3	1.1	1.5
Total repair and maintenance	4,524	-5.0	-2.8	-2.8	-0.1
New housing					
Public	587	10.9	4.6	3.4	2.3
Private	2,994	-6.8	-4.6	0.4	3.2
Other new work					
Infrastructure	1,755	-0.4	4.2	1.9	9.1
Excl infrastructure					
Public	832	4.5	-5.9	0.9	-2.2
Private industrial	401	3.7	1.3	-1.8	-3.3
Private commercial	2,404	-1.2	-4.6	1.4	-3.6
Repair and maintenance					
Public housing	591	-6.6	-3.8	1.8	0.7
Private housing	1,684	-3.3	-4.5	-4.0	-5.1
Non-housing R&M	2,250	-5.9	-1.1	-2.9	3.6

Source: Office for National Statistics - Construction Output and Employment

Total all work fell for December 2018 by 2.8% (£388 million) against the previous month. When looking at the month-on-month, month-on-year, and three-month-on-three-month series, we see declines across the board. The only series that saw an increase for all work is the three-month-on-year series.

Similar drops are seen in new work and repair and maintenance, with most measures showing falls. However certain types of work series have performed relatively well, such as new public housing, which sees significant gains in all measures. This has a relatively small impact on the total work series, due to the low relative value of public housing output. Interesting to note is infrastructure, which has performed somewhat poorly in the month-on-month series (down 0.4%), but saw significant increases in the month-on-year (up 4.2%) and the three-month-on-year series (up 9.1%). This is due to both strong output in Quarter 4 (Oct to Dec) 2018 and comparatively weak output in Quarter 4 (Oct to Dec) 2017.

5 . Revisions

The earliest period open for revision in this release was January 2018. Table 2 illustrates the revisions to the all work quarterly chained volume measure seasonally adjusted growth rates in this publication in comparison with the previous [Construction output in Great Britain published on the 11 January 2019](#). Revisions are due to survey data changes and updates to the construction output price indices for Quarter 3 (July to Sept) 2018. These changes have also impacted on the seasonally adjusted estimates. It should be noted that all monthly revisions from January 2018 to September 2018 are within a range of plus or minus 0.3 percentage points.

Table 2: Construction output has minimal revisions to the quarterly path in 2018
Quarter 1 (January to March) 2018 to Quarter 3 (July to September) 2018, chained volume measure, seasonally adjusted, Great Britain

Quarter	Previously published (11 January 2019)	Latest publication (11 February 2019)	Revision (percentage points)
2018 Q1	-1.6	-1.2	0.4
2018 Q2	0.5	0.3	-0.2
2018 Q3	2.3	2.1	-0.2

Source: Office for National Statistics – Construction Output and Employment

For the latest months we see downward revisions of 0.4 percentage points for October 2018 (0.0% to negative 0.4%) and 0.5 percentage points for November 2018 (0.6% to 0.1%) to the all work monthly chained volume measure seasonally adjusted series. The main reasons for the October 2018 revision are revised survey data, with the revision to November 2018 being caused by updates to the latest information for our input series for the construction output price index.

6 . Looking back on 2018

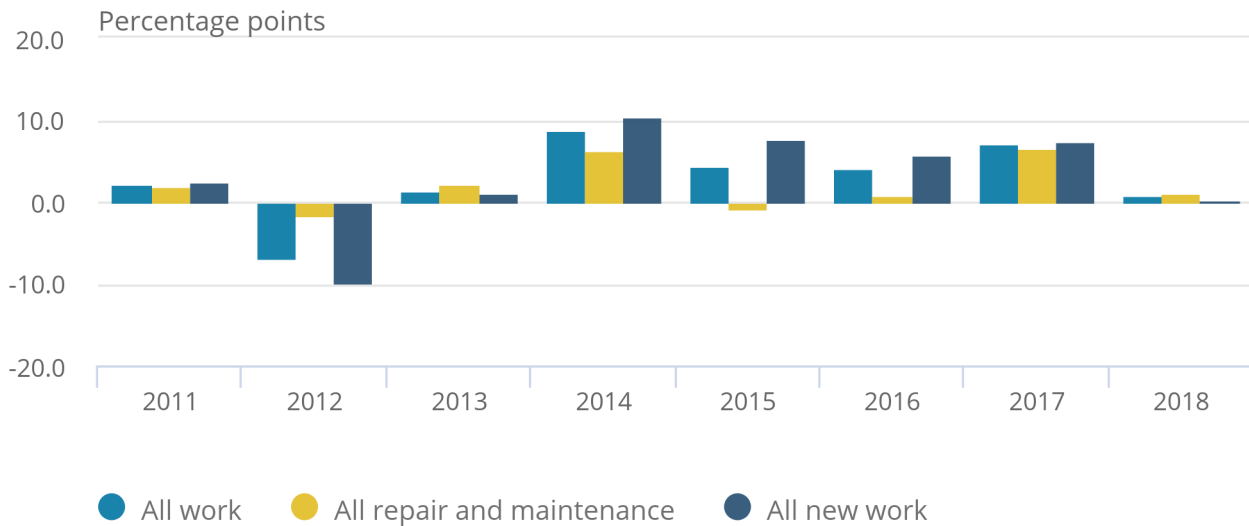
When looking at the total output for 2018 across all months, there was a growth in all work of 0.7% compared with 2017. This is the lowest year-on-year growth since 2012, which saw a fall of 6.9% in all work. That said, despite relatively flat performance at a top level, individual series have showed strong growth. Examples of this include private housing new work, infrastructure, and non-housing repair and maintenance, which grew by 6.1%, 5.7% and 3.9% respectively. The annual growth output series can be seen in Figure 5.

Figure 5: Growth slows in 2018 across both repair and maintenance and all new work

Year-on-year growth, chained volume measure, seasonally adjusted, 2011 to 2018, Great Britain

Figure 5: Growth slows in 2018 across both repair and maintenance and all new work

Year-on-year growth, chained volume measure, seasonally adjusted, 2011 to 2018, Great Britain



Source: Office for National Statistics - Construction Output and Employment

As can be seen, following on from strong growth in 2017, 2018 has seen relatively lower growth. It is also interesting to note that since 2016, the repair and maintenance series and new work have tracked each other closely in terms of growth. Prior to then the series diverge more strongly, as repair and maintenance saw somewhat flat output between 2014 and 2016 while new work saw strong growth.

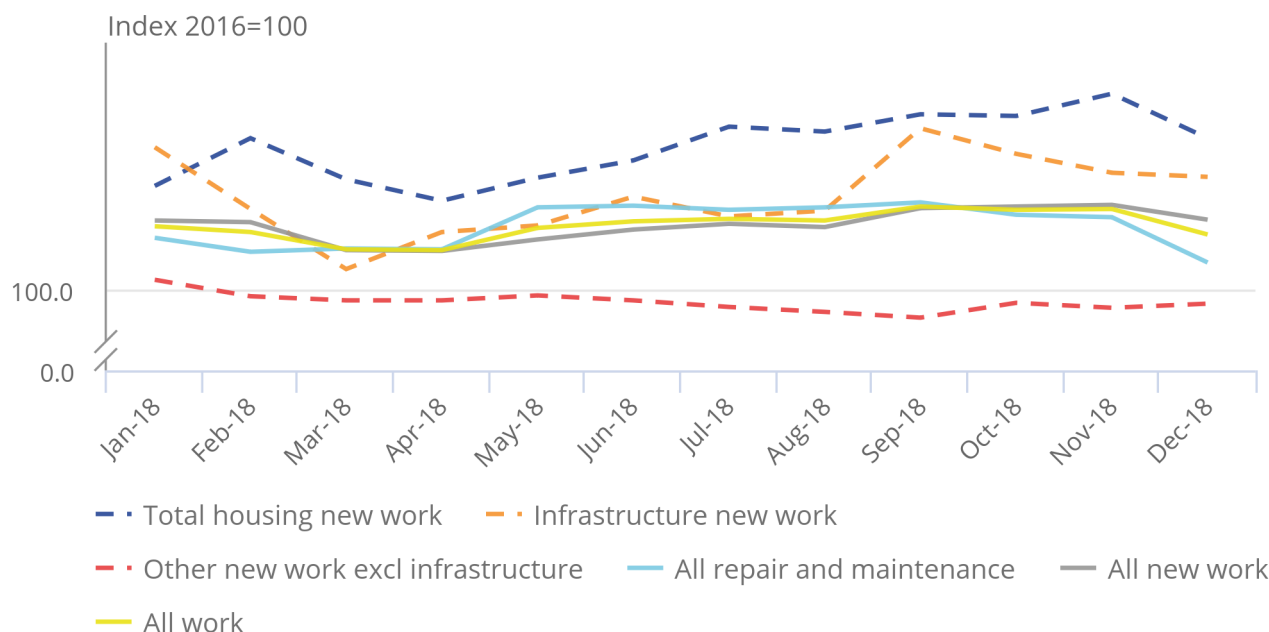
Looking at the monthly movements of the series in 2018, Figure 6 shows all work, and its two components, in solid lines, whilst other series of interest are displayed in dashed lines. Please note that “other new work excl infrastructure” is not published in the tables as a specific series. Instead, it is the combination of public new work, private industrial new work, and private commercial new work, as an indexed series.

Figure 6: Housing new work sees growth over 2018 while other types of work remain relatively flat

Month-on-month, chained volume measure, seasonally adjusted, January to December 2018, Great Britain

Figure 6: Housing new work sees growth over 2018 while other types of work remain relatively flat

Month-on-month, chained volume measure, seasonally adjusted, January to December 2018, Great Britain



Source: Office for National Statistics - Construction Output and Employment

Total housing new work saw steady growth across 2018, seeing a 5.1% increase between January and December 2018. This growth would have been stronger were it not for declines in the most recent month, as new housing had grown by 9.9% in the period January to November 2018.

The growth in housing new work sat in contrast to a relatively flat performance from all new work, which only grew by 0.1% in the period January to December 2018. This is due to infrastructure new work falling 3.0% over the year, as well as other new work excluding infrastructure decreasing by 2.9%. It is worth noting that infrastructure has been very volatile as a series, seeing a 12.6% fall between January and March of this year, as well as a 9.1% rise between August and September.

Despite being almost flat in terms of growth, all new work still outperformed repair and maintenance over 2018, which saw a 2.9% drop in output between January and December. For the first two calendar quarters of 2018, repair and maintenance was seeing steady growth, but in Quarter 3 (July to Sept) housing repair and maintenance began to decline, followed by non-housing repair and maintenance doing much the same in Quarter 4 (Oct to Dec). This was capped off by a particularly slow December, meaning that over the year housing and non-housing repair and maintenance saw declines of 3.8% and 1.9% respectively.

7 . Links to related statistics

Output in the construction industry follows the [Eurostat Short Term Statistics \(STS\)](#) regulation for production in construction. Headline volume estimates of construction output are assessed against [Eurostat's handbook on price and volume measures in National Accounts](#). Before any comparisons are made with the Euro area or EU28, it is worth noting that the UK is the only member state to follow the A method for compiling [production in construction statistics](#).

The latest release of Production in construction, published by Eurostat on 17 January 2019 for November 2018, showed the seasonally adjusted [production in construction \(PDF, 563 KB\)](#) decreased by 0.1% in the Euro area (EA19) but was up by 0.2% in the EU28 when compared with October 2018.

It should be noted that an accurate comparison cannot be made, as Eurostat data are calculated on a 2015 equals 100 basis, while Great Britain data are calculated on a 2016 equals 100 basis.

Outside the EU, the US Census Bureau release [Monthly construction spending report \(PDF, 262KB\)](#) for November 2018 was published on 1 February 2019. This includes the total dollar value of construction work done in the US.

[The Construction statistics: Number 19, 2018 edition](#) was published on 22 August 2018. This publication contains analysis on the construction sector in 2017, as well as information on [sources and outputs in the industry](#).

8 . Other useful links

- [Ministry of Housing, Communities and Local Government](#) (Housing starts and completions)
- [Construction statistics in Northern Ireland](#)

9 . Quality and methodology

Our Monthly Construction Output Survey measures output from the construction industry in Great Britain. It samples 8,000 businesses, with all businesses employing over 100 people or with an annual turnover of more than £60 million receiving a questionnaire by post every month.

The [Construction Quality and Methodology Information](#) report contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

Value Added Tax (VAT) turnover has been used to estimate the output of small- and medium-sized businesses. In this release, VAT turnover has been used for selected industries previously covered by the Monthly Business Survey from Quarter 1 (Jan to Mar) 2016 to Quarter 2 (Apr to June) 2018.

Further information on the use of VAT turnover in construction output estimates and its impact can be found in the following articles:

- [VAT turnover implementation into national accounts article](#)
- [VAT turnover data in national accounts: background and methodology](#)

10 . Construction statistics engagement and development

The Office for Statistics Regulation is currently in the process of [re-assessing the National Statistic status for construction statistics: Output, New orders and Price indices](#).

As part of the ongoing ONS construction statistics development programme, we have worked closely with the Construction Statistics Steering Group. This group provides a forum for ONS to engage with main users of construction statistics on the development of ONS-published construction statistics, including other government departments, industry experts and academics, to identify areas for improvement.

We have recently published a suite of methodological articles to help communicate recent improvements.

The Construction statistics development: improving the understanding of new orders in the construction industry and the gap between output and new orders article was published on 30 October 2018. This explains and analyses the possible causes of differences in our construction output data and new orders data. An updated new orders in construction [Quality and Methodology Information report](#) was also published on the same day.

In addition to the October 2018 article, we also previously introduced methodological improvements to construction output estimates, detailed in two articles published on 4 June 2018:

- [Improvements to addressing the bias in early estimates of construction output](#), which were incorporated for the first time in the Quarterly national accounts: January to March 2018 on 29 June 2018
- [Improvements to regional and sub-sector level estimates](#) using new orders data supplied by Barbour ABI, which were incorporated for the first time in the [Construction output in Great Britain: April 2018](#) publication

The overall [impact of the improvements to construction statistics](#) that were included in [Quarterly national accounts: Jan to Mar 2018](#) are outlined in the article released on 29 June 2018.

In September 2017, we released a summary article which outlined the [impact of improvements to construction statistics article](#), which explains and highlights the impact of improvements made to construction statistics, affecting the nominal data series, output price indices and seasonal adjustment. As a result of these improvements, the output price indices are no longer considered to be an interim method.

As previously indicated in [Section 7 of the October publication](#), as part of the work to improve dissemination of our data of the low-level type of work and regional data currently published in [Tables 5 and 6](#), this will be published separately from the main dataset in a new, separate format from 12 March 2019, which will be the next publication to be released. At the same time, the reference year for our new orders series will move from 2005 equals 100 to 2016 equals 100. This will make the reference year consistent with our construction output series and will provide users with a more up-to-date frame of reference. This change will impact the index numbers ([Table 1](#)) and the constant price series we publish ([Tables 2 and 3](#)), as within the current publication these tables are presented on a 2005 equals 100 basis. This will not affect our growth rate series ([Tables 8 and 9](#)) or our current price data ([Tables 4 to 6](#)) in the New Orders dataset.

These improvements are driven by the UK Statistics Authority decision to suspend the designation of Construction output and New orders as [National Statistics](#) due to concerns about the quality of the [Construction Price and Cost Indices](#) used to remove the effects of inflation from the statistics in December 2014.

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

Index 2016 = 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			
	MV36	MV37	MVL7	MV38	MV39	MV3A	MV3B	MV3C	MV3D	MV3E	MV3F	MV3G	MV3H	MV3I
1997	38.9	51.9	49.9	69.6	50.0	175.6	81.6	68.1	123.0	99.4	106.6	86.8	95.7	77.2
1998	31.5	52.4	49.3	67.7	52.7	178.9	88.5	69.9	114.9	101.5	105.0	87.8	95.4	78.4
1999	27.3	47.2	44.2	65.8	59.4	184.5	99.1	72.0	110.2	100.2	102.5	87.3	94.0	79.3
2000	34.3	52.7	49.9	61.8	56.2	164.7	99.8	72.2	106.7	100.7	101.6	91.9	95.9	80.0
2001	35.1	49.2	47.1	66.1	56.8	168.3	99.1	72.1	100.9	105.1	102.2	100.3	100.7	81.5
2002	39.7	53.6	51.5	74.8	71.8	133.5	102.4	76.5	95.7	113.8	105.7	106.9	105.8	86.1
2003	45.2	66.9	63.7	70.5	90.1	141.0	98.7	81.1	108.2	111.2	108.5	109.9	108.7	90.3
2004	54.3	81.3	77.3	61.5	101.2	145.2	108.8	88.8	118.7	108.0	110.1	105.0	106.8	95.1
2005	51.1	83.7	78.8	59.0	91.1	142.3	104.1	86.3	118.0	98.4	103.5	107.7	105.1	92.8
2006	60.2	83.9	80.4	54.4	83.6	154.3	113.0	88.5	112.9	92.3	97.7	108.0	102.5	93.5
2007	69.5	82.6	80.5	53.7	82.2	150.6	124.3	91.6	107.0	90.0	94.3	110.5	102.1	95.5
2008	62.8	64.1	63.8	59.6	91.5	116.5	125.8	86.7	110.1	91.0	96.0	114.2	104.7	93.0
2009	64.1	44.0	46.8	68.3	110.7	81.8	94.2	73.4	107.1	79.5	87.1	103.1	94.8	80.7
2010	100.3	53.4	60.0	87.0	146.0	90.7	92.3	85.4	116.3	87.1	95.2	88.1	91.8	87.6
2011	102.5	58.3	64.5	94.3	134.9	82.1	94.5	87.4	106.9	87.8	93.1	94.0	93.5	89.5
2012	85.8	56.9	60.9	84.3	106.6	90.0	85.2	78.8	109.2	83.4	90.6	93.6	92.1	83.4
2013	91.4	62.2	66.3	86.2	96.4	81.7	85.2	79.6	104.7	85.3	90.8	97.6	94.0	84.6
2014	120.7	78.0	84.0	84.4	95.7	94.7	90.6	87.8	107.4	93.2	97.1	103.2	100.0	92.0
2015	102.2	87.0	89.1	103.5	96.4	105.7	93.0	94.5	108.0	94.7	98.4	99.8	99.1	96.1
2016	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
2017	121.9	110.1	111.8	105.5	97.3	103.0	107.6	107.4	97.4	109.7	106.3	106.7	106.5	107.1
2018	119.9	116.9	117.3	111.5	88.3	107.0	101.1	107.8	95.2	108.5	104.8	110.8	107.7	107.8

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 2016 = 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	38.9	52.7	50.8	69.0	49.3	172.9	79.8	68.1	123.1	100.2	106.6	82.5	95.0	77.4
1998	31.4	53.2	50.2	67.1	51.9	176.0	86.5	69.8	114.9	102.2	105.8	83.4	95.0	78.6
1999	27.4	48.1	45.2	65.5	58.7	182.4	97.3	71.9	110.7	101.4	104.0	83.3	94.0	79.6
2000	34.3	53.6	50.9	61.3	55.5	162.4	97.7	72.1	106.9	101.6	103.1	87.5	95.5	80.2
2001	35.1	50.0	47.9	65.6	56.0	165.9	97.0	71.8	101.1	106.0	104.6	95.5	100.2	81.6
2002	39.7	54.5	52.4	74.2	70.7	131.5	100.2	76.0	95.9	114.8	109.5	101.7	105.7	86.3
2003	45.2	68.1	64.9	70.0	88.9	139.0	96.6	81.1	108.4	112.2	111.2	104.6	108.0	90.4
2004	54.5	83.0	79.0	61.3	100.2	143.7	106.9	89.2	119.4	109.4	112.2	100.4	106.5	95.2
2005	51.4	85.6	80.8	58.9	90.3	141.1	102.5	86.8	118.8	99.8	105.1	103.1	104.2	92.8
2006	60.8	86.2	82.7	54.5	83.3	153.6	111.7	89.2	114.2	94.0	99.7	103.8	101.7	93.5
2007	70.4	85.1	83.1	54.0	82.2	150.5	123.4	92.3	108.6	92.0	96.6	106.6	101.4	95.5
2008	63.7	66.2	65.8	60.1	91.6	116.6	125.0	87.1	112.0	93.2	98.4	110.3	104.2	93.0
2009	65.0	45.4	48.2	68.8	110.8	81.8	93.6	73.7	108.8	81.4	89.0	99.5	94.1	80.8
2010	100.3	53.4	60.0	87.0	146.0	90.7	92.3	85.4	116.3	87.1	95.2	88.1	91.8	87.6
2011	102.5	58.3	64.5	94.3	134.9	82.1	94.5	87.4	106.9	87.8	93.1	94.0	93.5	89.5
2012	85.8	56.9	60.9	84.3	106.6	90.0	85.2	78.8	109.2	83.4	90.6	93.6	92.1	83.4
2013	91.4	62.2	66.3	86.2	96.4	81.7	85.2	79.6	104.7	85.3	90.8	97.6	94.0	84.6
2014	120.7	78.0	84.0	84.4	95.7	94.7	90.6	87.8	107.4	93.2	97.1	103.2	100.0	92.0
2015	102.2	87.0	89.1	103.5	96.4	105.7	93.0	94.5	108.0	94.7	98.4	99.8	99.1	96.1
2016	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
2017	121.9	110.1	111.8	105.5	97.3	103.0	107.6	107.4	97.4	109.7	106.3	106.7	106.5	107.1
2018	119.9	116.9	117.3	111.5	88.3	107.0	101.1	107.8	95.2	108.5	104.8	110.8	107.7	107.8

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.Q CONSTRUCTION OUTPUT: VOLUME NON-SEASONALLY ADJUSTED INDEX NUMBERS BY SECTOR

Index 2016 = 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	Private housing	Total housing			
	MV3J	MV3K	MVL8	MV3L	MV3M	MV3N	MV3O	MV3P	MV3Q	MV3R	MV3S	MV3T	MV3U	MV3V
2004 Q1	55.8	80.6	77.1	62.9	101.2	149.4	104.4	88.4	127.9	113.6	117.6	105.0	111.5	96.4
2004 Q2	58.0	82.5	79.0	63.4	101.7	143.7	108.2	90.1	117.7	106.8	109.8	96.5	103.4	94.7
2004 Q3	54.3	84.6	80.3	62.0	100.0	141.1	108.5	90.1	115.3	110.8	112.0	99.0	105.8	95.5
2004 Q4	50.1	84.5	79.7	56.9	97.9	140.5	106.6	88.1	116.7	106.4	109.3	101.0	105.3	94.0
2005 Q1	53.4	84.2	79.9	58.2	94.6	135.0	103.0	86.7	132.4	101.0	109.8	105.1	107.5	93.9
2005 Q2	52.4	87.1	82.2	58.0	91.7	138.9	102.6	87.3	123.6	99.4	106.2	101.1	103.7	93.0
2005 Q3	48.6	86.6	81.3	60.1	88.1	141.8	101.8	86.8	111.6	99.6	103.0	104.5	103.7	92.7
2005 Q4	51.1	84.4	79.7	59.3	86.7	148.8	102.5	86.5	107.8	99.2	101.6	101.7	101.7	91.8
2006 Q1	59.3	83.7	80.2	57.6	85.5	154.7	105.9	87.5	117.1	95.5	101.5	100.3	100.9	92.1
2006 Q2	61.9	85.7	82.4	54.9	82.8	150.0	107.9	87.8	108.8	96.0	99.6	102.7	101.1	92.4
2006 Q3	61.9	88.0	84.3	54.1	82.9	150.7	114.7	90.4	117.7	91.7	99.0	104.4	101.6	94.3
2006 Q4	60.1	87.6	83.7	51.6	82.2	159.1	118.3	91.1	113.3	92.9	98.6	107.8	103.0	95.2
2007 Q1	72.3	87.4	85.3	51.2	81.3	160.4	119.9	92.0	119.5	90.3	98.4	107.8	102.9	95.8
2007 Q2	73.3	86.7	84.8	53.8	80.9	156.3	122.2	92.7	105.2	93.9	97.1	103.1	100.0	95.2
2007 Q3	70.1	85.3	83.2	55.8	83.2	146.3	124.5	93.0	104.0	89.2	93.3	107.1	100.0	95.4
2007 Q4	65.8	81.1	79.0	55.0	83.5	139.1	127.0	91.7	105.9	94.6	97.7	108.5	102.9	95.6
2008 Q1	67.7	77.2	75.9	57.8	87.3	135.8	130.1	92.3	110.6	88.7	94.8	110.5	102.4	95.8
2008 Q2	66.5	70.8	70.2	62.0	89.0	118.0	125.2	88.9	113.9	94.4	99.9	112.7	106.1	94.9
2008 Q3	64.2	63.4	63.5	63.8	94.6	111.0	128.9	88.2	115.5	90.3	97.3	113.6	105.1	94.1
2008 Q4	56.4	53.3	53.7	56.7	95.5	101.6	115.9	79.2	107.9	99.3	101.7	104.5	103.1	87.4
2009 Q1	56.4	47.0	48.3	58.7	95.1	85.3	103.9	73.3	103.9	80.3	86.9	99.2	92.8	80.0
2009 Q2	59.2	46.0	47.8	66.3	103.1	77.3	98.6	73.5	106.5	80.7	87.9	95.0	91.3	79.7
2009 Q3	68.4	43.9	47.4	70.4	115.9	77.7	91.2	73.4	118.0	85.8	94.7	107.0	100.6	82.8
2009 Q4	76.0	44.9	49.3	79.7	129.0	87.1	80.8	74.7	106.9	78.9	86.7	97.0	91.6	80.6
2010 Q1	86.5	43.7	49.7	85.8	131.1	83.9	83.3	76.9	120.3	73.1	86.3	82.9	84.6	79.5
2010 Q2	100.5	54.9	61.3	94.1	145.8	90.8	90.4	86.6	114.9	85.2	93.5	87.4	90.6	88.0
2010 Q3	108.1	57.6	64.7	88.5	155.3	105.0	101.2	91.6	116.2	94.0	100.2	93.6	97.0	93.5
2010 Q4	106.0	57.6	64.4	79.6	151.6	83.1	94.2	86.5	113.9	95.9	100.9	88.5	94.9	89.4
2011 Q1	103.2	52.6	59.7	87.1	139.5	80.0	84.9	81.9	114.7	81.3	90.6	91.6	91.1	85.1
2011 Q2	108.6	60.9	67.6	100.4	136.7	85.6	93.3	89.7	104.2	86.0	91.1	89.9	90.5	90.0
2011 Q3	101.1	60.6	66.3	95.3	140.2	81.0	100.6	90.5	104.4	88.7	93.1	100.8	96.8	92.7
2011 Q4	97.1	59.1	64.4	94.2	123.4	81.9	99.3	87.5	104.4	95.0	97.6	93.7	95.7	90.3
2012 Q1	85.9	55.4	59.7	82.3	107.7	86.8	83.7	77.5	111.9	83.4	91.4	93.8	92.5	82.7
2012 Q2	86.0	58.4	62.2	80.3	106.0	89.7	87.5	79.1	103.7	82.4	88.3	91.6	89.9	82.8
2012 Q3	86.0	55.4	59.7	86.3	111.8	88.7	84.7	79.0	110.6	83.5	91.0	97.0	93.9	84.2
2012 Q4	85.1	58.3	62.1	88.4	101.0	94.6	85.0	79.5	110.7	84.4	91.7	92.2	91.9	83.8
2013 Q1	76.9	51.6	55.2	82.7	88.2	86.3	78.6	72.2	112.1	74.6	85.1	92.5	88.6	77.9
2013 Q2	92.0	64.2	68.1	86.0	95.8	81.3	82.0	79.2	99.9	84.7	89.0	93.7	91.2	83.4
2013 Q3	93.1	64.5	68.5	86.2	107.2	80.4	91.9	83.5	103.0	89.5	93.3	104.5	98.7	88.7
2013 Q4	103.6	68.6	73.5	89.9	94.3	78.6	88.4	83.4	104.0	92.5	95.7	99.6	97.6	88.3
2014 Q1	106.5	66.5	72.1	80.7	84.5	84.8	84.3	79.2	111.5	86.9	93.7	97.3	95.5	84.8
2014 Q2	124.0	78.7	85.1	81.4	93.6	98.8	89.1	87.1	104.0	92.2	95.5	101.5	98.4	91.0
2014 Q3	128.2	82.6	89.0	85.6	105.4	101.3	94.3	92.3	108.8	97.3	100.5	110.8	105.4	96.9
2014 Q4	124.0	84.3	89.9	89.8	99.5	94.0	94.6	92.5	105.2	96.4	98.9	103.0	100.9	95.4
2015 Q1	109.9	77.6	82.1	97.7	85.8	100.8	86.7	87.6	113.6	84.8	92.9	100.0	96.3	90.6
2015 Q2	113.6	91.7	94.8	104.5	94.2	102.8	91.7	96.0	105.1	95.1	97.9	95.9	96.9	96.3
2015 Q3	93.3	87.0	87.9	106.1	106.6	115.6	96.0	97.0	109.0	98.7	101.6	103.4	102.5	98.9
2015 Q4	91.9	91.8	91.8	105.5	98.8	103.7	97.5	97.4	104.2	100.0	101.2	100.1	100.6	98.5
2016 Q1	90.2	89.2	89.4	96.4	89.2	90.6	92.6	91.7	112.0	90.2	96.2	94.7	95.5	93.0
2016 Q2	99.2	103.2	102.7	96.6	100.6	106.0	98.5	100.2	98.3	97.7	97.8	98.0	97.9	99.4
2016 Q3	100.7	101.8	101.7	102.6	110.1	102.0	105.0	103.8	95.1	103.9	101.4	104.9	103.1	103.5
2016 Q4	110.0	105.7	106.3	104.4	100.1	101.4	103.9	104.3	94.6	108.3	104.5	102.3	103.4	104.0
2017 Q1	112.2	99.9	101.6	100.9	95.3	91.3	104.5	101.1	102.8	102.2	102.4	104.3	103.3	101.9
2017 Q2	125.3	111.3	113.3	104.8	97.7	100.8	108.7	108.1	96.3	109.2	105.6	102.9	104.3	106.8
2017 Q3	123.6	110.4	112.3	108.4	102.6	114.0	111.7	110.4	96.8	112.7	108.3	112.1	110.1	110.3
2017 Q4	126.4	118.9	120.0	108.0	93.9	105.8	105.4	109.9	93.8	114.5	108.8	107.6	108.2	109.3
2018 Q1	105.2	106.1	106.0	105.7	80.7	101.3	98.2	100.6	98.9	99.9	99.6	103.6	101.5	100.9
2018 Q2	120.9	117.8	118.3	107.6	84.0	114.2	102.2	107.6	92.6	112.2	106.7	107.6	107.2	107.5
2018 Q3	124.5	120.1	120.7	114.5	97.6	110.4	101.9	111.0	94.1	112.4	107.3	119.9	113.4	111.9
2018 Q4	129.1	123.6	124.4	118.3	91.0	102.1	102.0	112.0	95.1	109.5	105.5	112.2	108.7	110.9

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.

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	1 986	16 188	18 123	12 899	5 532	8 027	23 486	67 604	9 326	19 512	29 009	22 006	50 285	117 188	
1998	1 608	16 350	17 900	12 542	5 830	8 178	25 453	69 383	8 712	19 920	28 578	22 249	50 159	118 928	
1999	1 395	14 708	16 049	12 192	6 562	8 437	28 499	71 460	8 357	19 673	27 904	22 125	49 412	120 424	
2000	1 750	16 432	18 125	11 440	6 216	7 531	28 716	71 591	8 087	19 762	27 633	23 288	50 429	121 481	
2001	1 791	15 339	17 079	12 251	6 274	7 694	28 510	71 525	7 649	20 631	27 819	25 420	52 917	123 639	
2002	2 027	16 716	18 689	13 853	7 939	6 104	29 451	75 923	7 257	22 340	28 754	27 098	55 589	130 729	
2003	2 307	20 867	23 103	13 059	9 961	6 445	28 380	80 491	8 204	21 826	29 531	27 854	57 121	137 017	
2004	2 770	25 355	28 039	11 396	11 186	6 638	31 299	88 114	9 002	21 203	29 958	26 624	56 159	144 296	
2005	2 606	26 096	28 608	10 931	10 066	6 506	29 941	85 567	8 945	19 313	28 150	27 306	55 257	140 782	
2006	3 071	26 175	29 162	10 077	9 245	7 054	32 497	87 793	8 560	18 113	26 592	27 370	53 878	141 872	
2007	3 547	25 749	29 222	9 937	9 090	6 885	35 767	90 885	8 110	17 660	25 671	28 010	53 659	144 935	
2008	3 205	19 981	23 138	11 046	10 111	5 329	36 189	86 040	8 348	17 857	26 116	28 941	55 045	141 144	
2009	3 270	13 730	16 987	12 653	12 237	3 740	27 111	72 860	8 119	15 611	23 692	26 128	49 812	122 519	
2010	5 117	16 668	21 785	16 113	16 136	4 147	26 542	84 722	8 819	17 089	25 908	22 336	48 244	132 966	
2011	5 228	18 176	23 405	17 459	14 917	3 755	27 189	86 724	8 104	17 226	25 330	23 838	49 168	135 892	
2012	4 376	17 737	22 113	15 613	11 786	4 113	24 513	78 137	8 280	16 376	24 656	23 742	48 397	126 534	
2013	4 665	19 406	24 070	15 965	10 655	3 734	24 520	78 945	7 940	16 754	24 695	24 734	49 429	128 373	
2014	6 158	24 335	30 492	15 629	10 583	4 331	26 059	87 094	8 141	18 292	26 433	26 152	52 584	139 678	
2015	5 215	27 137	32 351	19 166	10 653	4 834	26 743	93 747	8 187	18 585	26 772	25 313	52 085	145 832	
2016	5 102	31 189	36 291	18 521	11 055	4 572	28 768	99 208	7 581	19 630	27 211	25 353	52 564	151 772	
2017	6 220	34 351	40 571	19 545	10 761	4 708	30 943	106 528	7 386	21 529	28 915	27 053	55 968	162 496	
2018	6 118	36 461	42 579	20 656	9 766	4 893	29 076	106 970	7 215	21 298	28 513	28 097	56 610	163 580	

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 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				
	MV4B	MV4C	MVLR	MV4D	MV4E	MV4F	MV4G	MV4H	MV4I	MV4J	MV4K	MV4L	MV4M	MV4N	
1997	1 984	16 450	18 434	12 788	5 451	7 905	22 967	67 545	9 333	19 663	28 996	20 928	49 924	117 469	
1998	1 604	16 602	18 206	12 426	5 739	8 047	24 878	69 296	8 714	20 064	28 777	21 146	49 923	119 220	
1999	1 396	15 002	16 398	12 133	6 490	8 339	27 978	71 339	8 393	19 902	28 295	21 120	49 415	120 754	
2000	1 750	16 718	18 467	11 356	6 132	7 426	28 120	71 501	8 104	19 944	28 048	22 172	50 220	121 721	
2001	1 790	15 606	17 396	12 152	6 187	7 586	27 908	71 229	7 661	20 811	28 472	24 200	52 672	123 901	
2002	2 025	16 993	19 018	13 739	7 821	6 011	28 816	75 405	7 267	22 526	29 793	25 785	55 578	130 983	
2003	2 308	21 235	23 544	12 959	9 826	6 356	27 793	80 479	8 220	22 026	30 246	26 528	56 774	137 253	
2004	2 783	25 898	28 681	11 355	11 077	6 570	30 764	88 447	9 051	21 475	30 526	25 445	55 971	144 418	
2005	2 621	26 699	29 320	10 910	9 981	6 453	29 480	86 144	9 009	19 597	28 606	26 143	54 750	140 894	
2006	3 102	26 895	29 997	10 099	9 211	7 025	32 132	88 465	8 659	18 460	27 118	26 317	53 435	141 900	
2007	3 592	26 553	30 145	9 995	9 088	6 883	35 493	91 604	8 235	18 060	26 296	27 029	53 325	144 929	
2008	3 250	20 638	23 889	11 128	10 125	5 333	35 969	86 442	8 489	18 293	26 781	27 972	54 753	141 196	
2009	3 316	14 172	17 488	12 740	12 245	3 741	26 932	73 146	8 249	15 979	24 228	25 238	49 466	122 612	
2010	5 117	16 668	21 785	16 113	16 136	4 147	26 542	84 722	8 819	17 089	25 908	22 336	48 244	132 966	
2011	5 228	18 176	23 405	17 459	14 917	3 755	27 189	86 724	8 104	17 226	25 330	23 838	49 168	135 892	
2012	4 376	17 737	22 113	15 613	11 786	4 113	24 513	78 137	8 280	16 376	24 656	23 742	48 397	126 534	
2013	4 665	19 406	24 070	15 965	10 655	3 734	24 520	78 945	7 940	16 754	24 695	24 734	49 429	128 373	
2014	6 158	24 335	30 492	15 629	10 583	4 331	26 059	87 094	8 141	18 292	26 433	26 152	52 584	139 678	
2015	5 215	27 137	32 351	19 166	10 653	4 834	26 743	93 747	8 187	18 585	26 772	25 313	52 085	145 832	
2016	5 102	31 189	36 291	18 521	11 055	4 572	28 768	99 208	7 581	19 630	27 211	25 353	52 564	151 772	
2017	6 220	34 351	40 571	19 545	10 761	4 708	30 943	106 528	7 386	21 529	28 915	27 053	55 968	162 496	
2018	6 118	36 461	42 579	20 656	9 766	4 893	29 076	106 970	7 215	21 298	28 513	28 097	56 610	163 580	

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 Maintena- nce	All Work
	Public housing	Private housing	Total 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			
					MV5H	MV5I	MVM3		MV5J	MV5K	MV5L			
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	2.2	9.0	7.4	8.4	-7.6	-9.5	2.4	2.4	-8.1	0.8	-2.2	6.7	1.9	2.2
2012	-16.3	-2.4	-5.5	-10.6	-21.0	9.5	-9.8	-9.9	2.2	-4.9	-2.7	-0.4	-1.6	-6.9
2013	6.6	9.4	8.9	2.3	-9.6	-9.2	-	1.0	-4.1	2.3	0.2	4.2	2.1	1.5
2014	32.0	25.4	26.7	-2.1	-0.7	16.0	6.3	10.3	2.5	9.2	7.0	5.7	6.4	8.8
2015	-15.3	11.5	6.1	22.6	0.7	11.6	2.6	7.6	0.6	1.6	1.3	-3.2	-0.9	4.4
2016	-2.2	14.9	12.2	-3.4	3.8	-5.4	7.6	5.8	-7.4	5.6	1.6	0.2	0.9	4.1
2017	21.9	10.1	11.8	5.5	-2.7	3.0	7.6	7.4	-2.6	9.7	6.3	6.7	6.5	7.1
2018	-1.6	6.1	5.0	5.7	-9.3	3.9	-6.0	0.4	-2.3	-1.1	-1.4	3.9	1.1	0.7

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.

3A.Q CONSTRUCTION OUTPUT: VOLUME SEASONALLY ADJUSTED PERCENTAGE CHANGE ON PREVIOUS QUARTER

%

	New Housing			Other New Work				Repair and Maintenance					All Repair and Maintena- nce	All Work
	Public housing	Private housing	Total new housing	Excluding Infrastructure			All new work	Housing			Non housing R&M			
				Infra- structure	Private industri- al	Private commerci- al		Public housing	Private housing	Total housing				
	MV54	MV55	MVM7	MV56	MV57	MV58	MV59	MV5A	MV5B	MV5C	MV5D	MV5E	MV5F	MV5G
2004 Q1	9.3	6.2	6.5	-5.2	3.6	1.2	5.1	3.6	7.1	1.6	3.5	2.0	2.7	3.3
Q2	2.6	1.6	1.7	-1.5	-0.8	-4.0	2.3	0.8	-3.2	-7.3	-5.9	-6.7	-6.3	-1.8
Q3	-1.2	1.5	1.3	-3.4	-2.2	-2.5	-0.5	-0.7	-1.7	2.5	0.9	-2.0	-0.6	-0.6
Q4	-2.6	0.5	0.2	-5.0	-2.9	-3.1	-2.3	-2.0	3.6	-4.2	-1.4	2.9	0.8	-1.0
2005 Q1	-4.0	0.6	0.2	2.1	-1.8	-1.7	-1.6	-0.7	4.4	-2.3	0.1	6.0	3.1	0.7
Q2	-1.9	2.6	2.2	-2.5	-3.1	3.9	-0.7	-	-0.6	-3.0	-2.1	-2.0	-2.1	-0.7
Q3	-2.1	-1.6	-1.6	1.9	-4.8	1.9	-2.1	-1.5	-10.1	-0.8	-4.3	-1.5	-2.8	-2.0
Q4	9.9	-1.4	-0.4	3.0	-2.0	2.2	0.9	0.5	-1.5	-1.5	-1.5	-1.7	-1.6	-0.2
2006 Q1	5.0	-0.5	0.1	-3.5	-0.8	4.8	4.2	1.5	0.3	-0.1	0.1	0.3	0.2	1.0
Q2	4.9	1.4	1.7	-7.2	-2.5	-1.4	2.2	0.2	-0.8	-1.6	-1.4	4.3	1.7	0.7
Q3	4.1	1.5	1.8	-2.9	-1.5	0.3	4.2	1.8	6.5	-4.9	-1.0	-3.4	-2.3	0.3
Q4	1.5	0.9	1.0	-0.3	-0.9	2.9	3.9	2.0	-2.0	-1.1	-1.5	4.2	1.6	1.8
2007 Q1	10.5	-	1.1	-1.4	-0.4	1.3	1.9	1.1	-0.4	2.4	1.4	1.8	1.6	1.2
Q2	2.1	-2.0	-1.5	1.8	0.2	-0.7	2.1	0.5	-7.3	0.9	-2.0	-2.6	-2.4	-0.5
Q3	-2.0	-2.1	-2.1	2.9	1.0	-6.4	-0.3	-0.9	-3.6	-4.7	-4.4	-1.0	-2.6	-1.5
Q4	-1.5	-3.3	-3.1	3.4	0.4	-7.5	3.6	0.4	4.3	2.8	3.3	2.4	2.8	1.2
2008 Q1	-4.2	-5.0	-4.9	4.0	5.6	-1.5	2.8	0.7	0.4	-0.3	-0.1	3.6	1.9	1.1
Q2	-1.4	-9.3	-8.3	3.9	2.6	-10.7	-3.5	-3.8	6.6	2.8	4.1	4.1	4.1	-1.1
Q3	-2.5	-11.3	-10.1	2.5	4.4	-7.1	0.1	-2.3	-2.2	-4.2	-3.5	-4.1	-3.8	-2.8
Q4	-7.6	-13.7	-12.8	-6.9	0.5	-11.5	-7.9	-8.2	-2.5	6.7	3.5	-6.8	-2.1	-5.9
2009 Q1	-6.5	-11.9	-11.1	2.1	1.2	-13.9	-9.4	-7.1	-6.7	-13.3	-11.1	-3.3	-7.1	-7.1
Q2	4.7	-3.9	-2.5	9.0	8.7	-6.8	-6.1	-1.0	4.3	-3.8	-1.0	-2.5	-1.8	-1.3
Q3	17.6	-5.1	-1.0	6.9	11.6	-1.4	-10.5	-1.5	7.2	6.8	6.9	7.6	7.3	1.8
Q4	16.4	4.8	7.3	18.2	9.8	6.9	-8.5	3.8	-4.2	-11.7	-9.0	-8.5	-8.7	-1.2
2010 Q1	17.3	9.2	11.0	11.4	11.5	2.9	10.0	10.4	7.6	8.9	8.4	-15.1	-4.0	4.8
Q2	5.6	9.8	8.8	3.0	4.3	3.7	1.9	4.3	2.6	6.6	5.2	6.8	5.9	4.9
Q3	11.7	7.5	8.5	-6.8	-3.3	16.1	5.3	2.5	-3.1	6.5	3.2	-2.2	0.6	1.8
Q4	-2.6	-0.7	-1.2	-10.9	5.2	-20.1	-5.4	-4.1	-2.1	-1.9	-2.0	2.3	-	-2.7
2011 Q1	3.4	1.7	2.1	16.5	-0.7	-1.8	-0.9	2.9	-4.0	-3.0	-3.3	3.0	-0.4	1.7
Q2	-3.7	1.5	0.3	10.4	-8.0	3.3	4.4	2.0	-0.3	-0.8	-0.6	-0.4	-0.5	1.1
Q3	-3.9	2.6	1.1	-5.5	-6.4	-4.7	1.8	-1.6	-3.5	0.2	-1.0	2.8	0.8	-0.7
Q4	-4.8	-2.5	-3.0	-1.0	-4.1	2.3	1.1	-1.2	0.7	4.5	3.2	1.0	2.2	-
2012 Q1	-4.8	3.5	1.7	-7.8	-6.3	7.8	-8.6	-4.6	0.6	-2.9	-1.8	-0.9	-1.4	-3.4
Q2	-9.8	-7.5	-8.0	-7.1	-7.7	-0.1	-0.6	-5.1	1.9	-5.0	-2.8	-1.0	-1.9	-3.9
Q3	4.2	-1.5	-0.4	6.8	-3.2	-1.5	-8.0	-2.0	3.1	-1.2	0.2	-2.2	-1.0	-1.6
Q4	-2.0	3.8	2.6	1.3	-2.9	9.0	1.7	1.5	-0.2	-3.4	-2.3	1.4	-0.5	0.8
2013 Q1	-2.2	-1.0	-1.3	-0.2	-5.3	-5.4	1.1	-1.1	-3.3	3.2	0.9	1.2	1.1	-0.3
Q2	7.6	9.4	9.0	-0.4	1.9	-12.2	-0.6	1.9	-3.5	2.3	0.4	1.9	1.1	1.6
Q3	5.1	3.6	3.9	-1.1	2.3	-0.7	6.3	3.2	-0.9	3.6	2.1	2.6	2.4	2.9
Q4	10.3	5.5	6.4	3.5	-4.8	0.8	-2.2	1.3	2.0	0.5	1.0	1.8	1.4	1.4
2014 Q1	8.9	7.8	8.0	-4.0	-3.1	10.5	3.2	2.8	1.8	6.4	5.0	-1.0	2.0	2.5
Q2	7.9	3.9	4.7	-3.7	3.6	12.3	1.1	2.3	0.7	-0.7	-0.3	4.6	2.1	2.2
Q3	6.3	8.3	7.9	3.5	2.8	0.1	0.5	3.8	1.0	2.3	1.9	0.7	1.3	2.9
Q4	-3.9	1.1	0.1	4.4	2.2	-3.4	2.6	1.7	-1.8	-3.0	-2.6	-1.1	-1.8	0.3
2015 Q1	-6.5	2.0	0.3	15.8	-6.7	11.1	-1.7	2.2	1.6	-0.6	-	-1.4	-0.7	1.1
Q2	-4.2	4.4	2.8	3.2	2.7	-3.2	1.3	2.1	0.1	4.5	3.1	-3.9	-0.4	1.2
Q3	-15.4	-2.1	-4.4	-0.6	3.2	8.4	-0.3	-1.0	0.4	0.5	0.5	-0.2	0.1	-0.6
Q4	-2.5	4.5	3.5	-1.0	0.5	-5.7	4.2	1.9	-2.3	-0.1	-0.7	2.6	0.8	1.5
2016 Q1	4.6	7.2	6.8	-2.7	-2.2	-7.3	1.0	1.5	-0.8	0.4	-	-3.7	-1.8	0.3
Q2	0.6	2.5	2.3	-3.3	5.2	7.5	2.3	1.8	-3.7	1.1	-0.3	3.7	1.6	1.7
Q3	5.1	2.1	2.5	3.5	-0.3	-6.9	1.6	1.6	-6.1	4.1	1.2	-1.1	0.1	1.1
Q4	8.4	3.2	3.9	1.5	-1.0	5.5	2.4	2.5	2.2	3.6	3.3	3.8	3.5	2.9
2017 Q1	7.6	2.8	3.5	3.0	2.3	-4.9	6.0	3.6	-0.2	3.3	2.3	2.6	2.5	3.2
Q2	3.4	0.7	1.1	0.4	-3.5	2.4	-0.8	-	1.4	0.7	0.9	0.2	0.6	0.2
Q3	1.9	1.9	1.9	0.8	-3.9	9.3	-0.4	0.7	-1.1	0.7	0.2	1.0	0.6	0.7
Q4	1.8	5.8	5.2	-1.0	-3.1	-2.3	-3.6	0.3	-1.4	0.9	0.3	0.3	0.3	0.3
2018 Q1	-12.6	-0.5	-2.3	4.4	-4.3	2.1	-1.5	-0.8	-2.5	-2.9	-2.8	-0.7	-1.8	-1.2
Q2	6.2	-2.4	-1.3	-1.0	-3.5	3.0	-0.6	-1.0	1.2	3.1	2.6	3.3	2.9	0.3
Q3	6.6	5.8	5.9	3.7	4.9	-6.4	-2.9	2.3	0.3	-1.2	-0.8	4.0	1.6	2.1
Q4	3.4	0.4	0.8	1.9	0.9	-1.8	1.4	1.1	1.8	-4.0	-2.6	-2.9	-2.8	-0.3

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 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			
	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	2.2	9.0	7.4	8.4	-7.6	-9.5	2.4	2.4	-8.1	0.8	-2.2	6.7	1.9	2.2
2012	-16.3	-2.4	-5.5	-10.6	-21.0	9.5	-9.8	-9.9	2.2	-4.9	-2.7	-0.4	-1.6	-6.9
2013	6.6	9.4	8.9	2.3	-9.6	-9.2	-	1.0	-4.1	2.3	0.2	4.2	2.1	1.5
2014	32.0	25.4	26.7	-2.1	-0.7	16.0	6.3	10.3	2.5	9.2	7.0	5.7	6.4	8.8
2015	-15.3	11.5	6.1	22.6	0.7	11.6	2.6	7.6	0.6	1.6	1.3	-3.2	-0.9	4.4
2016	-2.2	14.9	12.2	-3.4	3.8	-5.4	7.6	5.8	-7.4	5.6	1.6	0.2	0.9	4.1
2017	21.9	10.1	11.8	5.5	-2.7	3.0	7.6	7.4	-2.6	9.7	6.3	6.7	6.5	7.1
2018	-1.6	6.1	5.0	5.7	-9.3	3.9	-6.0	0.4	-2.3	-1.1	-1.4	3.9	1.1	0.7

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.

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

%

	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			
	MV68	MV69	MVM8	MV6A	MV6B	MV6C	MV6D	MV6E	MV6F	MV6G	MV6H	MV6I	MV6J	MV6K
2004 Q1	28.6	30.3	30.1	-12.7	28.0	12.4	10.4	13.7	27.1	9.9	15.8	1.9	8.2	11.7
Q2	26.7	28.3	28.2	-12.4	18.9	8.0	14.3	13.7	10.6	-8.3	-2.0	-6.4	-4.3	6.8
Q3	19.0	19.9	19.8	-11.4	8.3	1.2	12.2	9.5	-1.3	-4.3	-3.4	-9.1	-6.4	3.5
Q4	8.0	10.1	9.9	-14.4	-2.4	-8.2	4.6	1.7	5.6	-7.6	-3.1	-3.9	-3.5	-0.2
2005 Q1	-5.2	4.3	3.3	-7.7	-7.5	-10.8	-2.2	-2.5	3.0	-11.1	-6.3	-0.2	-3.1	-2.8
Q2	-9.4	5.3	3.8	-8.6	-9.6	-3.5	-5.1	-3.3	5.8	-7.0	-2.6	4.8	1.2	-1.7
Q3	-10.2	2.1	0.8	-3.6	-12.0	0.9	-6.6	-4.1	-3.3	-9.9	-7.6	5.3	-1.0	-3.0
Q4	1.2	0.1	0.2	4.4	-11.2	6.4	-3.5	-1.6	-8.0	-7.4	-7.7	0.6	-3.4	-2.2
2006 Q1	10.8	-1.0	0.1	-1.3	-10.3	13.5	2.2	0.5	-11.6	-5.4	-7.7	-4.8	-6.2	-1.9
Q2	18.5	-2.1	-0.3	-6.1	-9.8	7.7	5.1	0.6	-11.9	-4.0	-6.9	1.3	-2.6	-0.5
Q3	26.1	1.0	3.2	-10.4	-6.6	6.0	11.8	3.9	4.4	-8.0	-3.7	-0.6	-2.1	1.8
Q4	16.5	3.4	4.7	-13.3	-5.6	6.7	15.2	5.5	3.8	-7.6	-3.7	5.3	1.1	3.9
2007 Q1	22.5	3.9	5.8	-11.4	-5.3	3.1	12.7	5.1	3.0	-5.3	-2.4	7.0	2.5	4.2
Q2	19.2	0.4	2.4	-2.8	-2.6	3.8	12.7	5.4	-3.7	-2.9	-3.1	-0.2	-1.6	3.0
Q3	12.2	-3.2	-1.5	3.0	-	-3.2	7.8	2.7	-12.8	-2.7	-6.4	2.3	-1.8	1.1
Q4	8.9	-7.3	-5.5	6.9	1.3	-13.0	7.5	1.1	-7.1	1.2	-1.9	0.5	-0.7	0.5
2008 Q1	-5.6	-11.9	-11.2	12.7	7.4	-15.4	8.5	0.6	-6.3	-1.5	-3.3	2.2	-0.4	0.3
Q2	-8.8	-18.5	-17.3	14.9	10.0	-23.9	2.4	-3.8	7.7	0.3	2.8	9.2	6.2	-0.4
Q3	-9.3	-26.1	-24.0	14.4	13.7	-24.4	2.9	-5.1	9.3	0.9	3.7	5.8	4.8	-1.7
Q4	-14.9	-34.0	-31.6	3.1	13.8	-27.6	-8.6	-13.1	2.1	4.8	3.9	-3.7	-0.1	-8.7
2009 Q1	-16.9	-38.9	-36.1	1.2	9.1	-36.7	-19.4	-19.9	-5.1	-8.8	-7.6	-10.1	-9.0	-16.1
Q2	-11.8	-35.3	-32.1	6.3	15.5	-34.0	-21.5	-17.5	-7.2	-14.7	-12.1	-15.7	-14.1	-16.2
Q3	6.4	-30.7	-25.2	10.8	23.5	-29.9	-29.8	-16.8	1.6	-4.9	-2.7	-5.5	-4.2	-12.2
Q4	34.0	-15.8	-7.9	40.7	34.9	-15.4	-30.3	-6.0	-0.2	-21.3	-14.4	-7.2	-10.7	-7.8
2010 Q1	68.1	4.5	15.0	53.4	48.6	1.2	-15.4	11.8	15.1	-1.2	4.4	-18.5	-7.6	4.0
Q2	69.6	19.4	28.3	44.9	42.5	12.5	-8.2	17.7	13.2	9.5	11.0	-10.8	-0.4	10.5
Q3	61.1	35.2	40.6	26.4	23.4	32.5	8.0	22.6	2.4	9.3	7.1	-18.9	-6.5	10.6
Q4	34.7	28.0	29.5	-4.7	18.3	-1.0	11.7	13.2	4.6	21.4	15.3	-9.3	2.4	9.0
2011 Q1	18.9	19.2	19.1	-0.3	5.3	-5.5	0.7	5.5	-6.6	8.1	2.8	10.1	6.2	5.8
Q2	8.4	10.2	9.8	6.8	-7.0	-5.8	3.1	3.2	-9.2	0.6	-2.8	2.6	-0.3	1.9
Q3	-6.8	5.2	2.3	8.4	-10.0	-22.7	-0.4	-1.0	-9.6	-5.4	-6.7	7.9	-0.1	-0.7
Q4	-8.8	3.3	0.4	20.3	-18.0	-1.0	6.5	2.0	-7.0	0.7	-1.8	6.5	2.1	2.0
2012 Q1	-16.1	5.1	0.1	-4.8	-22.6	8.7	-1.8	-5.4	-2.6	0.8	-0.3	2.5	1.0	-3.1
Q2	-21.5	-4.2	-8.2	-19.9	-22.4	5.2	-6.5	-12.0	-0.4	-3.5	-2.5	1.9	-0.4	-7.9
Q3	-14.9	-8.1	-9.6	-9.5	-19.7	8.7	-15.5	-12.3	6.4	-4.9	-1.3	-3.1	-2.2	-8.7
Q4	-12.4	-2.2	-4.3	-7.4	-18.7	15.7	-15.0	-9.9	5.5	-12.0	-6.6	-2.7	-4.7	-7.9
2013 Q1	-10.0	-6.5	-7.2	0.3	-17.9	1.5	-6.0	-6.6	1.4	-6.4	-3.9	-0.7	-2.3	-5.0
Q2	7.4	10.6	10.0	7.6	-9.2	-10.8	-6.0	0.3	-4.1	0.8	-0.8	2.3	0.7	0.5
Q3	8.4	16.4	14.8	-0.4	-4.1	-10.1	8.6	5.6	-7.7	5.7	1.1	7.4	4.2	5.0
Q4	22.0	18.3	19.0	1.9	-6.0	-16.9	4.5	5.4	-5.7	10.0	4.5	7.8	6.1	5.7
2014 Q1	35.9	28.9	30.2	-2.0	-3.8	-2.9	6.7	9.6	-0.7	13.4	8.7	5.5	7.1	8.6
Q2	36.3	22.5	25.1	-5.3	-2.3	24.2	8.5	10.0	3.7	10.1	8.0	8.3	8.1	9.3
Q3	37.8	28.0	29.9	-1.0	-1.8	25.3	2.5	10.7	5.6	8.7	7.7	6.2	6.9	9.2
Q4	20.0	22.7	22.2	-0.1	5.4	20.1	7.6	11.0	1.7	4.9	3.9	3.2	3.5	8.1
2015 Q1	3.0	16.1	13.5	20.5	1.5	20.8	2.5	10.3	1.4	-2.1	-1.0	2.7	0.8	6.7
Q2	-8.6	16.6	11.4	29.1	0.6	4.1	2.7	10.2	0.8	3.0	2.3	-5.7	-1.7	5.7
Q3	-27.2	5.4	-1.3	24.0	1.1	12.6	1.9	5.1	0.3	1.2	0.9	-6.5	-2.8	2.1
Q4	-26.1	8.9	2.1	17.5	-0.6	10.0	3.4	5.3	-0.3	4.3	2.9	-3.1	-0.1	3.3
2016 Q1	-17.3	14.4	8.6	-1.2	4.1	-8.3	6.2	4.5	-2.6	5.4	2.9	-5.3	-1.2	2.5
Q2	-13.1	12.4	8.1	-7.4	6.6	1.9	7.2	4.2	-6.3	1.9	-0.6	2.2	0.7	3.0
Q3	7.9	17.2	15.8	-3.6	3.0	-12.5	9.3	6.9	-12.4	5.6	0.1	1.3	0.7	4.7
Q4	19.9	15.7	16.3	-1.2	1.5	-2.1	7.5	7.6	-8.3	9.5	4.2	2.6	3.4	6.1
2017 Q1	23.3	11.0	12.7	4.6	6.3	0.4	12.9	9.9	-7.7	12.7	6.6	9.3	7.9	9.2
Q2	26.7	9.0	11.4	8.6	-2.5	-4.4	9.5	8.0	-2.9	12.2	7.9	5.7	6.8	7.6
Q3	23.0	8.8	10.8	5.8	-6.0	12.3	7.3	7.0	2.2	8.5	6.9	7.8	7.3	7.1
Q4	15.5	11.6	12.2	3.2	-8.0	4.0	1.0	4.7	-1.4	5.7	3.8	4.2	4.0	4.5
2018 Q1	-6.2	8.1	5.9	4.6	-14.0	11.7	-6.1	0.2	-3.7	-0.6	-1.4	0.8	-0.3	-
Q2	-3.7	4.7	3.4	3.1	-13.9	12.4	-6.0	-0.8	-3.8	1.7	0.3	3.9	2.0	0.2
Q3	0.7	8.8	7.5	6.0	-6.1	-3.8	-8.4	0.8	-2.5	-0.2	-0.8	7.1	3.0	1.5
Q4	2.3	3.2	3.1	9.1	-2.2	-3.3	-3.6	1.5	0.7	-5.1	-3.6	3.6	-0.1	0.9

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

£ million

	New Housing			Other New Work				Repair and Maintenance								All Repair and Mainte- nance	All Work
	Public housing	Private housing	Total new housing	Infra- structure	Excluding Infrastructure			All new work	Housing			Other Work					
					Public	Private industr- ial	Private commerc- ial		Public housing	Private housing	Total housing	Infra- structure	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	4 924	16 398	21 322	15 320	13 311	3 365	24 272	77 590	7 223	15 159	22 383	7 755	5 050	8 960	44 147	121 737	
2012	4 049	16 383	20 432	14 426	10 878	3 810	22 627	72 172	7 646	15 121	22 768	7 672	4 961	9 263	44 664	116 836	
2013	4 343	18 379	22 722	15 333	10 249	3 558	23 629	75 492	7 545	16 170	23 715	8 086	5 350	9 761	46 912	122 404	
2014	5 788	23 619	29 407	15 325	10 363	4 202	25 943	85 240	7 783	17 969	25 752	8 801	5 519	10 638	50 710	135 950	
2015	4 893	26 298	31 190	18 811	10 530	4 735	26 991	92 257	7 910	18 511	26 421	8 496	4 867	11 077	50 861	143 118	
2016	4 842	30 562	35 404	18 403	11 226	4 601	29 816	99 448	7 572	20 078	27 651	8 067	4 867	11 739	52 323	151 772	
2017	6 079	34 679	40 759	19 756	11 260	4 900	32 782	109 457	7 581	22 383	29 964	8 762	5 002	12 732	56 459	165 916	
2018	6 217	38 250	44 467	21 637	10 554	5 284	31 808	113 751	7 540	22 543	30 084	9 246	4 844	13 847	58 021	171 772	

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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 Mainte- ance	All Work	
	Public housing	Private housing	Total new housing	Excluding Infrastructure			Housing				Public	Private				
				Infra- structure	Public	Private industr- ial	Private commerc- ial	All new work	Public housing	Private housing			Total housing			Infra- structure
	MV6L	MV6M	MVM5	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	4 924	16 398	21 322	15 320	13 311	3 365	24 272	77 590	7 223	15 159	22 383	7 755	5 050	8 960	44 147	121 737
2012	4 049	16 383	20 432	14 426	10 878	3 810	22 627	72 172	7 646	15 121	22 768	7 672	4 961	9 263	44 664	116 836
2013	4 343	18 379	22 722	15 333	10 249	3 558	23 629	75 492	7 545	16 170	23 715	8 086	5 350	9 761	46 912	122 404
2014	5 788	23 619	29 407	15 325	10 363	4 202	25 943	85 240	7 783	17 969	25 752	8 801	5 519	10 638	50 710	135 950
2015	4 893	26 298	31 190	18 811	10 530	4 735	26 991	92 257	7 910	18 511	26 421	8 496	4 867	11 077	50 861	143 118
2016	4 842	30 562	35 404	18 403	11 226	4 601	29 816	99 448	7 572	20 078	27 651	8 067	4 867	11 739	52 323	151 772
2017	6 079	34 679	40 759	19 756	11 260	4 900	32 782	109 457	7 581	22 383	29 964	8 762	5 002	12 732	56 459	165 916
2018	6 217	38 250	44 467	21 637	10 554	5 284	31 808	113 751	7 540	22 543	30 084	9 246	4 844	13 847	58 021	171 772

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5 CONSTRUCTION OUTPUT: VALUE NON-SEASONALLY ADJUSTED CURRENT PRICES BY TYPE OF WORK

£ million

		2015	2016	2016	2016	2016	2017	2017	2017	2017	2018	2018	2018
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
PUBLIC HOUSING	MV6L	1 103	1 086	1 197	1 219	1 340	1 382	1 548	1 550	1 600	1 350	1 567	1 614
PRIVATE HOUSING	MV6M	6 952	6 781	7 864	7 787	8 130	7 763	8 681	8 739	9 497	8 594	9 641	9 833
INFRASTRUCTURE													
Water	MV73	178	161	150	195	255	288	327	355	348	317	302	337
Sewerage	MV74	126	147	155	177	172	216	248	264	264	257	280	302
Electricity	MV75	2 093	1 903	1 866	2 030	2 184	2 176	2 287	2 332	2 126	1 921	1 779	1 836
Roads	MV76	1 105	1 059	1 106	1 181	1 172	1 069	1 018	1 047	1 096	1 201	1 364	1 504
Railways	MV77	702	632	687	689	647	584	644	750	907	985	1 038	1 076
Harbours	MV78	225	193	189	189	175	153	159	171	184	209	257	317
Other ¹	MV79	380	314	282	264	226	192	187	182	186	159	192	202
TOTAL	MV6N	4 809	4 411	4 436	4 725	4 831	4 673	4 871	5 101	5 111	5 049	5 212	5 574
of which													
public	MV7A	1 753	1 597	1 673	1 749	1 750	1 637	1 727	1 876	2 081	2 224	2 458	2 646
private	MV7B	3 056	2 814	2 763	2 976	3 081	3 041	3 144	3 224	3 031	2 825	2 754	2 929
OTHER PUBLIC NON-HOUSING													
Factories	MV7C	19	19	23	28	32	35	36	33	29	31	36	36
Warehouses	MV7D	5	4	4	3	4	6	7	6	3	2	4	6
Oil, Steel, Coal	MV7E	2	1	1	1	-	-	-	-	-	-	-	-
Schools & Colleges	MV7F	1 145	1 027	1 148	1 247	1 128	1 093	1 089	1 090	965	814	865	1 041
Universities	MV7G	424	356	368	384	345	330	355	392	364	321	360	436
Health	MV7H	429	451	570	671	608	551	508	520	463	381	350	359
Offices	MV7I	122	121	146	175	178	178	208	243	225	178	157	169
Entertainment	MV7J	218	204	227	222	171	141	168	205	216	217	250	306
Garages, Shops	MV7Z	61	51	51	52	63	79	110	137	132	139	173	212
Agriculture, Miscellaneous	MV78	277	243	268	313	315	314	321	359	350	302	311	355
TOTAL	MV6O	2 703	2 478	2 808	3 095	2 845	2 726	2 802	2 984	2 748	2 384	2 506	2 920
PRIVATE INDUSTRIAL													
Factories	MV83	643	552	632	650	643	574	639	751	695	654	683	610
Warehouses	MV84	495	459	563	514	525	487	542	601	575	570	711	747
Oil, Steel, Coal	MV85	25	20	17	13	13	10	9	8	8	9	11	11
TOTAL	MV6P	1 163	1 031	1 212	1 176	1 181	1 072	1 190	1 361	1 278	1 233	1 405	1 368
PRIVATE COMMERCIAL													
Schools, Universities	MV86	1 126	1 101	1 206	1 335	1 381	1 406	1 444	1 452	1 323	1 191	1 243	1 230
Health	MV87	287	295	314	327	291	256	235	224	207	218	254	283
Offices	MV88	2 364	2 347	2 601	2 861	2 809	2 811	2 947	3 075	2 954	2 772	2 848	2 746
Entertainment	MV89	1 391	1 336	1 461	1 606	1 646	1 713	1 820	2 007	2 020	1 972	2 111	2 149
Garages	MV8A	93	91	93	98	110	131	156	159	136	120	138	160
Shops	MV8B	1 433	1 277	1 260	1 299	1 297	1 288	1 305	1 322	1 186	1 098	1 175	1 199
Agriculture, Miscellaneous	MV8C	427	397	362	323	292	281	308	322	303	264	262	269
TOTAL	MV6Q	7 120	6 845	7 297	7 848	7 826	7 876	8 216	8 561	8 129	7 637	8 031	8 034
TOTAL NEW WORK	MV6R	23 851	22 630	24 814	25 851	26 153	25 492	27 307	28 296	28 363	26 246	28 363	29 344

¹ Gas, communications and air.

² NB: Infrastructure R&M is a new question from Q1 2010. Previously this estimate was contained in public and private non-housing R&M.

³ *Users of these tables should note there may be instances where sub-sectors do not match the total. This is due to the sub-sectors being calculated at a higher precision than 1dp within the production system. This accuracy is truncated when transferred into the published tables.

6 CONSTRUCTION OUTPUT: VALUE NON-SEASONALLY ADJUSTED CURRENT PRICES BY REGION

£ million

		2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3
NORTH EAST									
New Housing									
Housing		29	26	37	38	45	44	57	62
Private	MV8D	332	320	361	349	368	324	366	368
Total Housing	N3QP	361	346	398	387	413	368	423	430
Infrastructure	MV8F	334	392	386	325	259	217	214	216
Other New Work									
Excluding Infrastructure									
Public	MV8G	108	91	78	73	76	72	85	113
Private Industrial	MV8H	36	38	47	56	50	41	47	51
Private Commercial	MV8I	193	212	240	245	236	220	228	234
All New Work	MV8J	1 032	1 079	1 148	1 086	1 033	919	997	1 044
Repair and Maintenance									
Housing	MV8K	191	181	201	207	194	181	171	155
Other New Work									
Public	MV8L	38	30	43	54	34	25	27	38
Private	MV8M	80	88	110	114	112	95	105	102
Infrastructure	MV8N	59	56	48	47	46	40	41	48
All Repair and Maintenance	MV8O	368	355	402	422	386	341	344	343
All Work	MV8P	1 400	1 434	1 550	1 508	1 419	1 260	1 341	1 387
YORKSHIRE AND THE HUMBER									
New Housing									
Public	MV8Q	93	84	99	100	103	85	102	104
Private	MV8R	619	583	653	639	677	629	688	728
Total Housing	N3QQ	711	667	752	739	780	714	790	832
Infrastructure	MV8S	374	355	360	378	341	309	297	296
Other New Work									
Excluding Infrastructure									
Public	MV8T	179	159	173	199	190	145	134	142
Private Industrial	MV8U	123	85	72	85	83	95	126	132
Private Commercial	MV8V	505	542	570	564	485	423	444	464
All New Work	MV8W	1 892	1 808	1 926	1 965	1 879	1 686	1 791	1 865
Repair and Maintenance									
Housing	MV8X	582	491	455	428	426	418	479	489
Other New Work									
Public	MV8Y	54	64	63	88	66	68	71	93
Private	MV8Z	229	245	252	261	285	294	315	342
Infrastructure	MV92	364	371	370	390	386	400	435	455
All Repair and Maintenance	MV93	1 229	1 171	1 140	1 167	1 163	1 180	1 300	1 379
All Work	MV94	3 121	2 979	3 066	3 132	3 042	2 866	3 091	3 244
EAST MIDLANDS									
New Housing									
Public	MV95	48	51	63	63	64	50	46	50
Private	MV96	543	495	538	524	551	478	523	494
Total Housing	N3QR	591	546	600	587	615	527	569	544
Infrastructure	MV97	423	375	340	389	411	427	440	656
Other New Work									
Excluding Infrastructure									
Public	MV98	179	158	146	131	103	79	75	82
Private Industrial	MV99	168	160	198	230	210	228	331	337
Private Commercial	MV9A	416	397	385	387	330	297	306	324
All New Work	MV9B	1 777	1 636	1 670	1 724	1 669	1 558	1 721	1 943
Repair and Maintenance									
Housing	MV9C	301	319	368	426	433	400	440	451
Other New Work									
Public	MV9D	61	68	73	117	113	97	91	132
Private	MV9E	212	198	176	194	204	205	231	236
Infrastructure	MV9F	95	89	96	117	121	151	155	130
All Repair and Maintenance	MV9G	669	674	713	854	871	853	917	949
All Work	MV9H	2 446	2 310	2 383	2 578	2 540	2 411	2 638	2 892
EAST OF ENGLAND									
New Housing									
Public	MV9I	91	102	125	127	140	114	153	167
Private	MV9J	632	610	686	706	785	705	792	827
Total Housing	N3QS	723	712	811	833	925	820	945	994
Infrastructure	MV9K	337	404	494	609	657	635	562	498
Other New Work									
Excluding Infrastructure									
Public	MV9L	198	179	207	231	228	201	215	238
Private Industrial	MV9M	154	138	130	127	146	118	110	140
Private Commercial	MV9N	777	801	804	796	717	644	631	605
All New Work	MV9O	2 190	2 235	2 447	2 597	2 673	2 418	2 462	2 476
Repair and Maintenance									
Housing	MV9P	983	927	989	1 051	1 037	933	950	949
Other New Work									
Public	MV9Q	145	136	134	140	106	115	108	145
Private	MV9R	333	323	302	323	306	291	321	356
Infrastructure	MV9S	225	238	239	261	256	222	242	256
All Repair and Maintenance	MV9T	1 686	1 624	1 664	1 775	1 705	1 561	1 621	1 706
All Work	MV9U	3 876	3 859	4 111	4 372	4 378	3 979	4 083	4 182

6 CONSTRUCTION OUTPUT: VALUE NON-SEASONALLY ADJUSTED CURRENT PRICES BY REGION

continued

£ million

		2016	2017	2017	2017	2017	2018	2018	2018
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
LONDON									
New Housing									
Public	MV9V	456	479	516	480	450	359	365	355
Private	MV9W	1 818	1 744	1 992	2 031	2 202	1 987	2 222	2 223
Total Housing	N3QT	2 274	2 223	2 509	2 511	2 652	2 346	2 587	2 578
Infrastructure	MV9X	632	625	649	701	740	716	738	745
Other New Work									
Excluding Infrastructure									
Public	MV9Y	515	521	558	594	533	430	415	450
Private Industrial	MV9Z	82	69	67	64	57	55	55	41
Private Commercial	MVA2	2 432	2 408	2 474	2 666	2 639	2 513	2 624	2 543
All New Work	MVA3	5 935	5 845	6 256	6 536	6 621	6 059	6 418	6 357
Repair and Maintenance									
Housing	MVA4	1 416	1 408	1 402	1 396	1 348	1 227	1 415	1 414
Other New Work									
Public	MVA5	244	272	239	315	209	138	139	229
Private	MVA6	501	540	507	528	541	587	635	689
Infrastructure	MVA7	309	312	276	250	262	261	243	220
All Repair and Maintenance	MVA8	2 470	2 532	2 424	2 489	2 360	2 213	2 432	2 552
All Work	MVA9	8 405	8 377	8 680	9 025	8 981	8 272	8 850	8 909
SOUTH EAST									
New Housing									
Public	MVB2	129	123	129	124	127	101	105	101
Private	MVB3	1 084	1 015	1 115	1 114	1 213	1 103	1 269	1 335
Total Housing	N3QU	1 214	1 138	1 244	1 238	1 340	1 204	1 374	1 437
Infrastructure	MVB4	600	634	664	676	698	739	837	886
Other New Work									
Excluding Infrastructure									
Public	MVB5	400	400	416	450	409	372	413	496
Private Industrial	MVB6	139	111	107	122	126	149	183	179
Private Commercial	MVB7	821	827	890	933	918	907	1 028	1 087
All New Work	MVB8	3 173	3 111	3 320	3 420	3 491	3 372	3 834	4 085
Repair and Maintenance									
Housing	MVB9	1 414	1 378	1 397	1 477	1 509	1 337	1 485	1 487
Other New Work									
Public	MVBN	195	204	211	266	218	197	189	288
Private	MVC2	447	445	449	474	422	424	423	457
Infrastructure	MVC3	227	247	226	234	248	240	268	334
All Repair and Maintenance	MVC4	2 283	2 274	2 283	2 451	2 397	2 198	2 365	2 566
All Work	MVC5	5 456	5 385	5 603	5 871	5 888	5 570	6 199	6 651
SOUTH WEST									
New Housing									
Public	MVC6	91	92	96	104	107	102	133	151
Private	MVC7	792	717	795	776	810	690	742	728
Total Housing	N3QV	882	809	891	879	917	791	875	879
Infrastructure	MVC8	332	287	282	251	227	214	254	287
Other New Work									
Excluding Infrastructure									
Public	MVC9	187	199	241	295	304	292	308	349
Private Industrial	MVD2	78	90	120	157	145	135	144	119
Private Commercial	MVD3	465	457	489	524	519	507	547	555
All New Work	MVD4	1 945	1 842	2 023	2 106	2 112	1 939	2 129	2 190
Repair and Maintenance									
Housing	MVD5	612	702	835	878	920	847	778	786
Other New Work									
Public	MVD6	82	80	80	105	82	68	83	107
Private	MVD7	223	203	212	224	231	233	232	230
Infrastructure	MVD8	153	165	139	156	147	143	125	54
All Repair and Maintenance	MVD9	1 070	1 150	1 266	1 363	1 380	1 291	1 218	1 177
All Work	MVDD	3 015	2 992	3 289	3 469	3 492	3 230	3 347	3 367
WALES									
New Housing									
Public	MVE2	30	34	43	44	48	41	56	63
Private	MVE3	228	224	254	256	270	238	259	259
Total Housing	N3QW	258	257	297	299	318	279	314	322
Infrastructure	MVE4	168	184	241	294	319	309	325	356
Other New Work									
Excluding Infrastructure									
Public	MVE5	136	126	125	151	168	183	201	234
Private Industrial	MVE6	38	31	28	28	25	23	24	23
Private Commercial	MVE7	190	207	225	237	221	221	279	321
All New Work	MVE8	790	805	916	1 009	1 051	1 016	1 143	1 256
Repair and Maintenance									
Housing	MVE9	270	210	231	203	209	204	245	271
Other New Work									
Public	MVF2	28	38	39	44	40	35	31	60
Private	MVF3	53	53	43	51	72	66	73	103
Infrastructure	MVF4	65	65	77	63	57	55	55	61
All Repair and Maintenance	MVF5	416	366	390	361	378	360	404	495
All Work	MVF6	1 206	1 171	1 306	1 370	1 429	1 376	1 547	1 751

6 CONSTRUCTION OUTPUT: VALUE NON-SEASONALLY ADJUSTED CURRENT PRICES BY REGION

continued

£ million

		2016	2017	2017	2017	2017	2018	2018	2018
		Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
WEST MIDLANDS									
New Housing									
Public	MVF7	99	104	117	115	118	93	102	92
Private	MVF8	631	631	719	753	852	786	882	912
Total Housing	N3QX	730	735	836	869	970	879	984	1 005
Infrastructure	MVF9	139	109	121	170	235	307	392	458
Other New Work									
Excluding Infrastructure									
Public	MVFB	166	146	134	144	143	128	135	152
Private Industrial	MVG2	150	170	229	266	213	166	156	138
Private Commercial	MVG3	695	724	763	786	723	678	680	650
All New Work	MVG4	1 879	1 884	2 082	2 235	2 283	2 157	2 347	2 403
Repair and Maintenance									
Housing									
Public	MVG6	92	82	75	89	74	68	95	168
Private	MVG7	368	385	409	434	452	413	365	400
Infrastructure	MVG8	124	133	170	188	173	182	229	241
All Repair and Maintenance	MVG9	1 041	1 107	1 177	1 233	1 280	1 208	1 276	1 439
All Work	MVGO	2 920	2 991	3 259	3 468	3 563	3 365	3 623	3 842
NORTH WEST									
New Housing									
Public	MVH2	99	104	118	140	167	153	182	181
Private	MVH3	906	903	1 020	1 051	1 190	1 137	1 313	1 361
Total Housing	N3QY	1 005	1 006	1 138	1 191	1 357	1 290	1 495	1 541
Infrastructure	MVH4	566	512	518	496	492	506	552	624
Other New Work									
Excluding Infrastructure									
Public	MVH5	317	292	278	270	229	208	247	325
Private Industrial	MVH6	138	104	102	114	109	112	124	129
Private Commercial	MVH7	627	616	683	757	762	715	753	755
All New Work	MVH8	2 653	2 531	2 719	2 829	2 949	2 831	3 171	3 374
Repair and Maintenance									
Housing									
Public	MVH9	568	570	548	542	545	515	572	579
Other New Work									
Public	MVI2	123	119	114	138	108	105	107	149
Private	MVI3	419	384	421	464	481	456	485	528
Infrastructure	MVI4	188	216	232	261	273	254	291	326
All Repair and Maintenance	MVI5	1 298	1 289	1 315	1 405	1 407	1 330	1 455	1 582
All Work	MVI6	3 951	3 820	4 034	4 234	4 356	4 161	4 626	4 956
SCOTLAND									
New Housing									
Public	MVI7	175	182	207	215	231	208	266	288
Private	MVI8	546	523	547	541	578	517	587	597
Total Housing	N3QZ	721	705	754	756	810	725	853	885
Infrastructure	MVI9	927	799	815	811	734	671	600	552
Other New Work									
Excluding Infrastructure									
Public	MVIJ	458	455	446	445	365	272	278	338
Private Industrial	MVJ2	77	76	89	111	114	110	107	80
Private Commercial	MVJ3	704	694	695	664	581	512	512	495
All New Work	MVJ4	2 887	2 729	2 799	2 789	2 602	2 290	2 349	2 350
Repair and Maintenance									
Housing									
Public	MVJ5	524	485	486	516	504	491	537	510
Other New Work									
Public	MVJ6	96	110	103	127	97	111	116	140
Private	MVJ7	215	216	183	201	212	181	185	214
Infrastructure	MVJ8	257	271	270	254	267	265	261	241
All Repair and Maintenance	MVJ9	1 092	1 082	1 042	1 098	1 080	1 048	1 099	1 105
All Work	MVK2	3 979	3 811	3 841	3 887	3 682	3 338	3 448	3 455

9A.A CONSTRUCTION OUTPUT: IMPLIED PRICE DEFLATOR NON-SEASONALLY ADJUSTED INDEX NUMBER BY SECTOR

Index 2016 = 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			
	MVK3	MVK4	MVM6	MVK5	MVK6	MVK7	MVK8	MVK9	MVKB	MVL2	MVL3	MVL4	MVL5	MVL6
1997	54.6	46.9	47.7	62.6	55.3	57.0	53.1	54.3	56.1	37.1	43.1	56.6	48.7	51.9
1998	57.9	50.1	50.8	62.4	57.4	60.4	57.2	57.2	58.7	38.4	44.5	58.9	50.5	54.4
1999	62.2	55.0	55.7	63.1	59.3	59.9	61.1	60.4	60.3	39.3	45.4	60.2	51.7	56.8
2000	64.7	57.8	58.6	70.4	62.0	63.1	63.8	63.7	63.1	41.0	47.2	62.9	54.1	59.7
2001	69.1	63.0	63.7	73.0	67.7	61.7	69.1	68.0	67.5	41.7	48.5	65.2	56.0	62.9
2002	73.4	68.8	69.3	73.5	69.5	71.5	74.4	72.7	68.5	44.5	50.3	67.9	58.3	66.6
2003	77.9	72.2	72.8	72.5	73.0	74.5	79.5	75.6	70.4	49.5	55.1	74.9	64.2	70.9
2004	83.7	74.8	75.7	73.1	76.8	78.8	80.0	77.6	70.9	54.4	59.2	78.8	68.0	73.9
2005	90.5	79.2	80.3	76.0	82.5	86.4	86.2	82.8	73.8	61.2	65.1	82.8	73.4	79.1
2006	96.9	82.6	84.1	81.5	86.0	89.2	90.4	87.1	78.8	66.6	70.4	84.6	77.2	83.4
2007	102.1	85.1	87.1	87.0	90.5	93.0	93.5	90.9	83.7	73.0	76.2	88.4	82.2	87.7
2008	107.0	89.7	92.0	87.9	97.2	99.5	94.4	94.2	88.1	78.6	81.5	91.1	86.2	91.1
2009	105.7	90.7	93.3	84.8	95.4	93.4	91.6	92.2	90.0	81.3	84.1	92.8	88.3	90.6
2010	100.8	90.9	92.8	84.6	87.7	85.1	86.2	88.2	89.4	82.4	84.6	93.0	88.5	88.3
2011	99.2	92.1	93.4	88.3	87.9	89.1	86.1	89.3	89.2	86.0	87.0	93.8	90.2	89.6
2012	97.5	94.3	94.7	93.0	90.9	92.1	89.1	92.1	92.4	90.3	90.9	94.8	92.7	92.3
2013	98.1	96.7	96.8	96.7	94.7	94.7	93.0	95.4	95.1	94.4	94.5	96.4	95.3	95.3
2014	99.0	99.1	98.9	98.7	96.4	96.4	96.1	97.6	95.7	96.0	95.9	98.1	96.9	97.3
2015	98.9	98.9	98.8	98.8	97.3	97.3	97.4	98.2	96.7	97.4	97.1	99.2	98.1	98.1
2016	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
2017	103.0	103.0	103.0	101.7	103.0	103.4	102.2	102.5	102.8	101.6	102.0	100.6	101.3	102.1
2018	107.1	107.1	107.1	105.4	106.4	107.3	105.6	106.1	104.6	103.5	103.8	102.2	103.0	105.0

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.

