

# Consumer Price Inflation

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*This note is produced as background briefing for the Consumer Price Inflation Statistical Bulletin. Users who require authoritative figures should use the Consumer Price Inflation Statistical Bulletin or Consumer Price Inflation Dataset.*

## SUMMARY

### CPIH

The Consumer Prices Index including owner occupiers' housing costs (CPIH) is the most comprehensive measure of inflation. It extends the Consumer Prices Index (CPI) to include a measure of the costs associated with owning, maintaining and living in one's own home, known as owner occupiers' housing costs (OOH), along with council tax. Both of these are significant expenses for many households and are not included in the CPI.

Aside from including owner occupiers' housing costs (OOH) and council tax, CPIH is otherwise identical to CPI. This means that, aside from these two components, the factors contributing to the CPI rate are the same as those contributing to the CPIH. For example, if food is reported as increasing the CPIH rate, it is also acting to increase the CPI rate. The size of the contributions for components other than OOH and council tax are exaggerated in the CPI compared with the CPIH because they account for a larger proportion of the overall index.

The [National Statistics](#) status of the Consumer Prices Index including owner occupiers' housing costs (CPIH) was reinstated on 31 July 2017. [A letter](#) from the Director General for Regulation to the National Statistician detailed the actions that were taken to meet the requirements as set out in the [CPIH assessment report](#).

The main movements for CPIH in November 2017 are:

- The all items CPIH is 104.7, up from 104.4 in October.
- The all items CPIH annual rate is 2.8%, unchanged from last month.
- The annual rate for CPIH excluding indirect taxes, CPIHY, is 2.6%, unchanged from last month.
- The OOH component of CPIH is 104.9, up from 104.8 in October.
- The OOH component annual rate is 1.5%, down from 1.6% last month.
- The CPIH all goods index is 103.4, up from 102.8 in October.
- The CPIH all goods index annual rate is 3.3%, unchanged from last month.
- The CPIH all services index is 105.6, unchanged from last month.
- The CPIH all services index annual rate is 2.4%, unchanged from last month.

### Consumer Prices Index (CPI)

The CPI continues to be a National Statistic and is a measure of consumer price inflation produced to international standards and in line with European regulations. First published in 1997 as the

Harmonised Index of Consumer Prices (HICP), the CPI is the inflation measure used in the Government's target for inflation.

The CPI is also used for purposes such as uprating pensions, wages and benefits and can aid in the understanding of inflation on family budgets. For more information see [Users and uses of consumer price inflation statistics](#).

The main movements for CPI in November 2017 are:

- The all items CPI is 104.6, up from 104.2 in October.
- The all items CPI annual rate is 3.1%, up from 3.0% in October.
- The annual rate for CPI excluding indirect taxes, CPIY, is 2.9%, unchanged from last month.
- The annual rate for CPI at constant tax rates, CPI-CT, is 2.9%, up from 2.8% last month.
- The CPI all goods index is 103.3, up from 102.8 in October.
- The CPI all goods index annual rate is 3.3%, unchanged from last month.
- The CPI all services index is 105.9, unchanged from last month.
- The CPI all services index annual rate is 2.8%, up from 2.7% last month.

### **Retail Prices Index (RPI)**

**In accordance with the Statistics and Registration Service Act 2007, the Retail Prices Index and its derivatives have been assessed against the Code of Practice for Official Statistics and found not to meet the required standard for designation as National Statistics. The [full assessment report](#) can be found on the UK Statistics Authority website.**

The RPI is a legacy measure of UK inflation that continues to be published because of its use in long-term contracts and index-linked gilts. For further information see [Users and uses of consumer price inflation statistics](#).

The main movements for RPI in November 2017 are:

- The all items RPI is 275.8, up from 275.3 in October.
- The all items RPI annual rate is 3.9%, down from 4.0% last month.
- The annual rate for RPIX, the all items RPI excluding mortgage interest payments (MIPs), is 4.0%, down from 4.2% last month.
- The all goods RPI is 209.7, up from 208.7 in October.
- The all goods RPI annual rate is 4.2%, down from 4.5% last month.
- The all services RPI is 376.0, down from 376.2 in October.
- The all services RPI annual rate is 3.8%, unchanged from last month.

## CPIH SUMMARY

### CONTRIBUTIONS TO CHANGE IN THE CPIH ANNUAL RATE

CPIH COICOP DIVISIONS	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
01: Food and non-alcoholic beverages	83	81	0.4	0.5	0.01
02: Alcoholic beverages and tobacco	34	34	-0.5	-0.4	-
03: Clothing and footwear	58	58	1.4	1.2	-0.01
04: Housing, water, electricity, gas and other fuels	294	294	0.1	0.1	-0.01
05: Furniture, household equipment and maintenance	49	49	0.5	0.3	-0.01
06: Health	22	21	0.1	-	-
07: Transport	122	126	-0.3	0.1	0.05
08: Communication	25	21	0.1	0.3	-
09: Recreation and culture	119	121	0.5	0.7	0.03
10: Education	20	17	-	-	-
11: Restaurants and hotels	98	101	0.2	0.3	0.01
12: Miscellaneous goods and services	76	77	0.2	-0.1	-0.03

#### A large upward effect came from:

- **Transport**, where prices rose by 0.1% between October and November this year compared with a fall of 0.3% between the same two months a year ago. The contribution came principally from air fares, which fell by 10.4% this year compared with a larger fall of 13.4% a year ago.

#### A small upward effect came from:

- **Recreation and culture**, with prices of games, toys and hobbies rising between October and November this year by more than a year ago. This effect came from computer games whose prices are heavily dependent on the composition of bestseller charts, often resulting in large overall price changes from month to month. Within the broader recreation and

culture category, there was a small offsetting downward effect from data processing equipment, with prices falling this year but rising in 2016, particularly for PC peripherals.

**A small downward effect came from:**

- **Miscellaneous goods and services**, where prices fell by 0.1% this year compared with a rise of 0.2% a year ago. The overall contribution comprised a range of small effects coming from areas such as other personal effects (for example, handbags), other financial services and jewellery, clocks and watches.

## CPIH NOTABLE MOVEMENTS

All items CPIH	<p>Annual rate +2.8%, unchanged from last month          Also +2.8% in September 2017 and April 2012          Last higher in March 2012 (+3.1%)          Last lower in August 2017 (+2.7%)</p>
All items CPIH exc energy, food, alcohol and tobacco	<p>Annual rate +2.5%, unchanged from last month          Also +2.5% in September 2017          Last higher in August 2017 (+2.6%)          Last lower in July 2017 (+2.4%)</p>
Food and non-alcoholic beverages	<p>Annual rate +4.2%, up from +4.1% last month          Highest since September 2013 (+4.3%)</p>
Recreation and culture	<p>Annual rate +3.2%, up from +2.9% last month          Highest since January 2010 (+3.6%)</p>
Miscellaneous goods and services	<p>Annual rate +0.6%, down from +0.9% last month          Lowest since September 2015 (+0.5%)</p>
All goods	<p>Annual rate +3.3%, unchanged from last month          Last higher in March 2012 (+3.6%)          Last lower in September 2017 (+3.2%)</p>
All services	<p>Annual rate +2.4%, unchanged from last month          Also +2.4% in July 2017          Last higher in September 2017 (+2.5%)          Last lower in March 2017 (+2.2%)</p>

## CPIH DETAILED BRIEFING

The [National Statistics](#) status of the Consumer Prices Index including owner occupiers' housing costs (CPIH) was reinstated on 31 July 2017. [A letter](#) from the Director General for Regulation to the National Statistician detailed the actions that were taken to meet the requirements as set out in the [CPIH assessment report](#).

- Weights are specified as parts per 1000 in the CPIH.

<b>01 FOOD AND NON-ALCOHOLIC BEVERAGES</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
01 Food & non-alcoholic beverages	83	81	0.4	0.5	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **food**.

<b>01.1 Food</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
01.1 Food	74	71	0.4	0.6	0.01
01.1.1 Bread and cereals	12	12	0.9	0.5	-0.01
01.1.2 Meat	17	16	0.2	0.1	-
01.1.3 Fish	3	3	-0.3	0.4	-
01.1.4 Milk, cheese and eggs	10	9	0.3	0.5	-
01.1.5 Oils and fats	2	2	-1.5	0.2	-
01.1.6 Fruit	7	7	3.3	2.9	-
01.1.7 Vegetables including potatoes	11	10	0.3	-0.2	-0.01
01.1.8 Sugar, jam, syrups, chocolate and confectionery	10	10	-1.5	1.5	0.03
01.1.9 Food products not elsewhere covered	2	2	2.3	-0.9	-0.01

- Small upward effect on the all items 12-month rate change.
- Due to **sugar, jam, syrups, chocolate and confectionery**.
- Partially offset by **food products not elsewhere covered; vegetables including potatoes; and bread and cereals**.

### Bread and cereals

- Small downward effect.
- Prices overall rose this year by less than a year ago, with the main downward contribution

coming from chilled pizzas, where prices overall fell this year but rose a year ago.

- Partially offset by a small upward contribution coming from cakes, where prices overall rose this year but fell a year ago.

#### Vegetables including potatoes

- Small downward effect.
- Prices overall fell this year but rose a year ago.
- Partially offset by a small upward contribution coming from premium potato crisps, where prices overall rose this year but fell a year ago.

#### Sugar, jam, syrups, chocolate and confectionery

- Small upward effect.
- Prices overall rose this year but fell a year ago, particularly for chocolate products.

#### Food products not elsewhere covered

- Small downward effect.
- Prices overall fell this year but rose a year ago.

<b>01.2 Non-alcoholic beverages</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
01.2 Non-alcoholic beverages	9	10	-	-0.4	-
01.2.1 Coffee, tea and cocoa	2	3	1.6	-1.0	-0.01
01.2.2 Mineral waters, soft drinks and juices	7	7	-0.4	-0.1	-

- Negligible overall effect on the all items 12-month rate change.
- There is a small downward contribution coming from **coffee, tea and cocoa**, where overall prices for packets of tea bags fell this year but rose a year ago.

<b>02 ALCOHOLIC BEVERAGES AND TOBACCO</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
02 Alcoholic beverages and tobacco	34	34	-0.5	-0.4	-

- Negligible overall effect on the all items 12-month rate change.



02.1 Alcoholic Beverages	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2016	2017 Feb-Dec	% change Nov 2016	% change Nov 2017	
02.1 Alcoholic beverages	15	16	-1.5	-1.0	-
02.1.1 Spirits	4	5	-3.1	-0.7	0.01
02.1.2 Wine	7	7	-0.4	-0.9	-
02.1.3 Beer	4	4	-1.8	-1.7	-

- Negligible overall effect on the all items 12-month rate change.
- There is a small upward contribution coming from **spirits**, where prices overall fell this year by less than a year ago, with the main upward contribution coming from vodka.

02.2 Tobacco	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2016	2017 Feb-Dec	% change Nov 2016	% change Nov 2017	
02.2 Tobacco	19	18	0.2	0.1	-

- Negligible overall effect on the all items 12-month rate change.

03 CLOTHING AND FOOTWEAR	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2016	2017 Feb-Dec	% change Nov 2016	% change Nov 2017	
03 Clothing and footwear	58	58	1.4	1.2	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **clothing**.

03.1 Clothing	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2016	2017 Feb-Dec	% change Nov 2016	% change Nov 2017	
03.1 Clothing	50	49	1.6	1.3	-0.01
03.1.2 Garments	44	44	1.6	1.4	-
03.1.3 Other clothing and clothing accessories	5	4	2.3	0.9	-0.01
03.1.4 Cleaning, repair and hire of clothing	1	1	0.3	-	-

- Small downward effect on the all items 12-month rate change.
- Due to **other clothing and clothing accessories**, where prices overall rose this year by

less than a year ago, particularly for ladies' scarves.

<b>03.2 Footwear including repairs</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
03.2 Footwear including repairs	8	9	0.4	0.6	-

- Negligible overall effect on the all items 12-month rate change.

<b>04 HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
04 Housing, water, electricity, gas and other fuels	294	294	0.1	0.1	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **owner occupiers' housing costs**.
- Partially offset by **electricity, gas and other fuels**.

<b>04.1 Actual rentals for housing</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
04.1 Actual rentals for housing	58	56	0.1	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>4.2 Owner occupiers' housing costs</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
4.2 Owner occupiers' housing costs	171	174	0.2	-	-0.02

- Small downward effect on the all items 12-month rate change.
- Charges overall were little changed this year but rose a year ago, with the main downward contribution coming from housing costs in England.

<b>04.3 Regular maintenance and repair of the dwelling</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
04.3 Regular maintenance and repair of the dwelling	2	2	-1.4	-0.7	-
04.3.1 Materials for maintenance and repair	1	1	-2.8	-1.4	-
04.3.2 Services for maintenance and repair	1	1	-	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>04.4 Other services related to the dwelling</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
04.4 Other services related to the dwelling	9	9	-	-	-
04.4.1 Water supply	5	4	-	-	-
04.4.3 Sewerage collection	4	5	-	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>04.5 Electricity, gas and other fuels</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
04.5 Electricity, gas and other fuels	28	27	-0.2	0.3	0.01
04.5.1 Electricity	14	13	-	-	-
04.5.2 Gas	12	12	-	-	-
04.5.3 Liquid fuels	1	1	-4.0	9.2	0.01
04.5.4 Solid fuels	1	1	0.7	1.0	-

- Small upward effect on the all items 12-month rate change.
- Due to **liquid fuels**, where average kerosene prices rose this year but fell a year ago.

<b>4.9 Council tax and rates</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
4.9 Council tax and rates	26	26	-	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>05 FURNITURE, HOUSEHOLD EQUIPMENT AND MAINTENANCE</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05 Furniture, household equipment and maintenance	49	49	0.5	0.3	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **furniture, furnishings and carpets**; and **goods and services for routine maintenance**.
- Partially offset by **household appliances, fitting and repairs**.

<b>05.1 Furniture, furnishings and carpets</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.1 Furniture, furnishings and carpets	16	18	1.5	0.3	-0.02
05.1.1 Furniture and furnishings	13	15	1.9	0.5	-0.02
05.1.2 Carpets and other floor coverings	3	3	0.1	-0.8	-

- Small downward effect on the all items 12-month rate change.
- Due to **furniture and furnishings**, where prices overall rose this year by less than a year ago, with the main downward contribution coming from kitchen furniture.

<b>05.2 Household textiles</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.2 Household textiles	6	6	1.2	1.1	-

- Negligible overall effect on the all items 12-month rate change.

<b>05.3 Household appliances, fitting and repairs</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.3 Household appliances, fitting and repairs	7	7	-1.5	-0.2	0.01
05.3.1/2 Major appliances and small electric goods	6	6	-1.8	-0.2	0.01
05.3.3 Repair of household appliances	1	1	0.1	0.1	-

- Small upward effect on the all items 12-month rate change.

- Due to **major appliances and small electric goods**, where prices overall fell this year by less than a year ago, with the main upward contribution coming from vacuum cleaners.

<b>05.4 Glassware, tableware and household utensils</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.4 Glassware, tableware and household utensils	5	4	0.5	1.4	-

- Negligible overall effect on the all items 12-month rate change.

<b>05.5 Tools and equipment for house and garden</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.5 Tools and equipment for house and garden	4	4	0.2	0.4	-

- Negligible overall effect on the all items 12-month rate change.

<b>05.6 Goods and services for routine maintenance</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
05.6 Goods and services for routine maintenance	11	10	0.1	-0.5	-0.01
05.6.1 Non-durable household goods	4	4	-0.1	-1.6	-0.01
05.6.2 Domestic services and household services	7	6	0.2	0.2	-

- Small downward effect on the all items 12-month rate change.
- Due to **non-durable household goods**, where prices overall fell this year by more than a year ago, with the main downward contribution coming from household cleaning products.

<b>06 HEALTH</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
06 Health	22	21	0.1	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>06.1 Medical products, appliances and equipment</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
06.1 Medical products, appliances and equipment	10	10	0.1	-	-
06.1.1 Pharmaceutical products	6	6	0.2	-0.2	-
06.1.2/3 Other medical and therapeutic equipment	4	4	-0.2	0.3	-

- Negligible overall effect on the all items 12-month rate change.

<b>06.2 Out-patient services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
06.2 Out-patient services	5	5	0.1	0.1	-
06.2.1/3 Medical and paramedical services	3	3	0.1	0.1	-
06.2.2 Dental services	2	2	0.1	0.2	-

- Negligible overall effect on the all items 12-month rate change.

<b>06.3 Hospital services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
06.3 Hospital Services	7	6	0.1	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>07 TRANSPORT</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
07 Transport	122	126	-0.3	0.1	0.05

- Largest upward effect on the all items 12-month rate change.
- Due to **transport services** and, to a lesser extent, **purchase of vehicles**.
- Partially offset by **operation of personal transport equipment**.

<b>07.1 Purchase of vehicles</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
07.1 Purchase of vehicles	35	37	0.4	0.7	0.02
07.1.1A New cars	20	21	0.1	0.6	0.01
07.1.1B Second-hand cars	13	14	0.7	1.3	0.01
07.1.2/3 Motorcycles and bicycles	2	2	1.0	-1.7	-0.01

- Small upward effect on the all items 12-month rate change.
- Due to **new cars** and **second-hand cars**, where prices overall rose this year by more than a year ago.
- Partially offset by **motorcycles and bicycles**, where prices overall fell this year but rose a year ago, particularly for bicycles.

<b>07.2 Operation of personal transport equipment</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
07.2 Operation of personal transport equipment	58	61	0.8	0.7	-0.01
07.2.1 Spare parts and accessories	4	4	0.5	-	-
07.2.2 Fuels and lubricants	25	26	1.5	1.6	-
07.2.3 Maintenance and repairs	18	20	0.3	-	-
07.2.4 Other services	11	11	0.3	-0.1	-

- Small downward effect on the all items 12-month rate change.
- Prices overall rose this year by less than a year ago.

<b>07.3 Transport services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
07.3 Transport services	29	28	-3.5	-1.9	0.05
07.3.1 Passenger transport by railway	10	11	0.2	-	-
07.3.2 Passenger transport by road	10	10	0.7	0.8	-
07.3.3 Passenger transport by air	6	4	-13.4	-10.4	0.05
07.3.4 Passenger transport by sea and inland waterway	3	3	-6.0	-5.1	-

- Large upward effect on the all items 12-month rate change.
- Due to **passenger transport by air**, where average air fares fell this year by less than a year ago, with the main upward contributions coming from long haul and European flights.

<b>08 COMMUNICATION</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
08 Communication	25	21	0.1	0.3	-

- Negligible overall effect on the all items 12-month rate change.

<b>08.1 Postal services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
08.1 Postal services	1	1	-	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>08.2/3 Telephone equipment and services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
08.2/3 Telephone equipment and services	24	20	0.1	0.3	-

- Negligible overall effect on the all items 12-month rate change.

<b>09 RECREATION AND CULTURE</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09 Recreation and culture	119	121	0.5	0.7	0.03

- Small upward effect on the all items 12-month rate change.
- Due to **other recreational items, gardens and pets; package holidays; and recreational and cultural services.**
- Partially offset by **audio-visual equipment and related products.**



<b>09.1 Audio-visual equipment and related products</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.1 Audio-visual equipment and related products	16	15	0.7	-	-0.01
09.1.1 Equipment for the reception and reproduction of sound and pictures	4	3	-1.2	-1.0	-
09.1.2 Photographic, cinematographic and optical equipment	2	2	-2.8	-0.6	-
09.1.3 Data processing equipment	6	5	3.2	-2.3	-0.03
09.1.4 Recording media	3	4	1.6	3.9	0.01
09.1.5 Repair of audio-visual equipment and related products	1	1	-	-	-

- Small downward effect on the all items 12-month rate change.
- Due to **data processing equipment**, where prices overall fell this year but rose a year ago, particularly for PC peripherals.
- Partially offset by **recording media**, where prices overall rose this year by more than a year ago, with the main upward contribution coming from DVDs.

<b>09.2 Other major durables for recreation and culture</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.2.1/2 Major durables for in/outdoor recreation	9	13	0.1	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>09.3 Other recreational items, gardens and pets</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.3 Other recreational items, gardens and pets	27	30	0.4	1.4	0.03
09.3.1 Games, toys and hobbies	16	16	0.7	2.2	0.03
09.3.2 Equipment for sport and open-air recreation	2	3	-0.1	-0.4	-
09.3.3 Gardens, plants and flowers	3	4	-0.1	0.3	-
09.3.4/5 Pets, related products and services	6	7	-	0.8	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **games, toys and hobbies**; and **pets, related products and services**.

**Games, toys and hobbies**

- Small upward effect.
- Prices overall rose this year by more than a year ago, particularly for computer games and computer game consoles.

**Pets, related products and services**

- Small upward effect.
- Prices overall rose this year but were little changed a year ago, with the main upward contribution coming from dog food.

<b>09.4 Recreational and cultural services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.4 Recreational and cultural services	27	26	0.1	0.3	0.01
09.4.1 Recreational and sporting services	8	8	0.1	-	-
09.4.2 Cultural services	19	18	0.1	0.5	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **cultural services**, where charges overall rose this year by more than a year ago, with the main upward contribution coming from live music events.

<b>09.5 Books, newspapers and stationery</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.5 Books, newspapers and stationery	11	9	2.0	2.3	-
09.5.1 Books	3	3	4.2	4.3	-
09.5.2 Newspapers and periodicals	4	3	1.4	1.2	-
09.5.3/4 Misc. printed matter, stationery, drawing materials	4	3	1.1	1.2	-

- Negligible overall effect on the all items 12-month rate change.

<b>09.6 Package holidays</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
09.6 Package holidays	29	28	0.3	0.6	0.01

- Small upward effect on the all items 12-month rate change.
- Prices overall rose this year by more than a year ago, with the main upward contribution coming from foreign holidays.

<b>10 EDUCATION</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
10 Education	20	17	-	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>11 RESTAURANTS AND HOTELS</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
11 Restaurants and hotels	98	101	0.2	0.3	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **accommodation services**.

<b>11.1 Catering services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
11.1 Catering services	81	77	0.3	0.3	-
11.1.1 Restaurants and cafes	74	70	0.3	0.3	-
11.1.2 Canteens	7	7	0.5	0.8	-

- Negligible overall effect on the all items 12-month rate change.

<b>11.2 Accommodation services</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
11.2 Accommodation services	17	24	-0.2	0.3	0.01

- Small upward effect on the all items 12-month rate change.
- Average prices for overnight hotel accommodation rose this year but fell a year ago.

<b>12 MISCELLANEOUS GOODS AND SERVICES</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12 Misc. goods and services	76	77	0.2	-0.1	-0.03

- Largest downward effect on the all items 12-month rate change.
- Due to **personal effects not elsewhere covered** and **financial services not elsewhere covered**.

<b>12.1 Personal care</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.1 Personal care	25	25	-0.4	-0.3	-
12.1.1 Hairdressing and personal grooming establishments	6	6	0.3	-	-
12.1.2/3 Appliances and products for personal care	19	19	-0.6	-0.4	-

- Negligible overall effect on the all items 12-month rate change.

<b>12.3 Personal effects not elsewhere covered</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.3 Personal effects not elsewhere covered	12	11	1.8	0.2	-0.02
12.3.1 Jewellery, clocks and watches	7	7	1.2	0.3	-0.01
12.3.2 Other personal effects	5	4	2.6	-0.2	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **other personal effects**; and **jewellery, clocks and watches**.

#### **Jewellery, clocks and watches**

- Small downward effect.
- Prices overall rose this year by less than a year ago.

#### **Other personal effects**

- Small downward effect.
- Prices overall fell this year but rose a year ago, particularly for ladies' handbags/shoulder bags.

<b>12.4 Social protection</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.4 Social protection	13	13	0.2	0.3	-

- Negligible overall effect on the all items 12-month rate change.

<b>12.5 Insurance</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.5 Insurance	7	7	0.2	0.5	-
12.5.2 House contents insurance	2	2	-0.5	0.4	-
12.5.3 Health insurance	2	2	-0.1	-	-
12.5.4 Transport insurance	3	3	0.8	1.0	-

- Negligible overall effect on the all items 12-month rate change.

<b>12.6 Financial services not elsewhere covered</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.6 Financial services not elsewhere covered	9	11	-0.1	-1.3	-0.01

- Small downward effect on the all items 12-month rate change.
- Prices overall fell this year by more than a year ago, with the main downward contribution coming from changes to bank overdraft charges.

<b>12.7 Other services not elsewhere covered</b>	Weight 2016	Weight 2017 Feb-Dec	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to CPIH annual rate change
12.7 Other services not elsewhere covered	10	10	0.1	0.1	-

- Negligible overall effect on the all items 12-month rate change.

## RPI SUMMARY

### CONTRIBUTIONS TO CHANGE IN THE RPI ANNUAL RATE

<b>GROUPS</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
FOOD	102	102	0.4	0.4	-
CATERING	47	48	0.4	0.3	-
ALCOHOLIC DRINKS	57	57	-0.3	-0.2	-
TOBACCO	25	24	0.2	0.1	-
HOUSING	266	266	-	-	-0.01
FUEL AND LIGHT	41	38	-0.2	0.4	0.02
HOUSEHOLD GOODS	62	65	0.7	0.4	-0.02
HOUSEHOLD SERVICES	67	64	0.2	0.1	-0.01
CLOTHING AND FOOTWEAR	41	41	1.3	1.1	-0.01
PERSONAL GOODS AND SERVICES	42	38	0.3	-0.1	-0.01
MOTORING EXPENDITURE	117	123	1.6	1.1	-0.05
FARES AND OTHER TRAVEL COSTS	26	26	-5.0	-4.5	0.01
LEISURE GOODS	29	29	0.9	0.5	-0.01
LEISURE SERVICES	78	79	0.2	0.4	0.02

## RPI NOTABLE MOVEMENTS

All items RPI	Annual rate +3.9%, down from +4.0% last month Also +3.9% in September 2017 and August 2017 Last lower in July 2017 (+3.6%)
All items RPI exc MIPS (RPIX)	Annual rate +4.0%, down from +4.2% last month Lowest since July 2017 (+3.9%)
Fuel and light	Annual rate +6.8%, up from +6.2% last month Highest since December 2013 (+7.0%)
Household services	Annual rate +2.3%, down from +2.4% last month Also +2.3% in April 2017 Last lower in October 2015 (+2.0%)
Leisure services	Annual rate +4.0%, up from +3.7% last month Highest since May 2013 (+4.2%)
All goods	Annual rate +4.2%, down from +4.5% last month Also +4.2% in August 2017 Last lower in July 2017 (+3.9%)
All services	Annual rate +3.8%, unchanged from last month Last higher in August 2017 (+4.0%) Last lower in September 2017 (+3.7%)

## RPI DETAILED BRIEFING

In accordance with the Statistics and Registration Service Act 2007, the Retail Prices Index and its derivatives have been assessed against the Code of Practice for Official Statistics and found not to meet the required standard for designation as National Statistics. A consultation was carried out in March 2013 on whether to maintain this detailed RPI briefing and, based on views received, it was decided to continue with its publication.

- Weights are specified as parts per 1000 in the RPI.

<b>FOOD</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
FOOD	102	102	0.4	0.4	-

- Negligible overall effect on the all items 12-month rate change.

<b>Seasonal Food</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
SEASONAL FOOD	18	18	1.3	1.1	-
Home killed lamb	1	1	-3.9	-4.1	-
Fresh fish	2	2	-3.3	2.0	0.01
Eggs	1	1	1.2	-	-
Unprocessed potatoes	1	1	0.6	-2.8	-
Other fresh vegetables	6	6	0.1	-0.7	-
Fresh fruit	7	7	4.4	4.0	-

- Negligible overall effect on the all items 12-month rate change.
- There is a small upward contribution coming from **fresh fish**, where prices overall rose this year but fell a year ago, particularly for frozen prawns and fresh salmon fillets.



<b>Non-Seasonal Food</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
NON-SEASONAL FOOD	84	84	0.3	0.2	-
Bread	4	4	1.2	0.9	-
Cereals	4	3	0.3	-0.3	-
Biscuits and cakes	6	6	-0.9	1.1	0.01
Beef	4	4	-0.5	-0.1	-
Imported lamb	1	1	-0.2	0.8	-
Pork	1	1	-0.2	-0.1	-
Bacon	1	1	3.6	-0.3	-
Poultry	4	3	-0.4	0.4	-
Other meat	6	6	0.4	0.9	-
Processed fish	2	2	0.4	-0.3	-
Butter	1	1	1.8	2.9	-
Oils and fats	1	1	-4.8	-1.9	-
Cheese	3	3	-1.7	0.5	0.01
Milk, fresh	3	3	0.2	1.5	-
Milk products	4	4	1.9	-0.5	-0.01
Tea	1	1	3.0	-4.3	-0.01
Soft drinks	9	8	-0.5	-0.5	-
Sugar and preserves	1	1	2.5	1.9	-
Sweets and chocolates	11	11	-1.6	1.0	0.03
Potato products	2	3	-1.4	-0.9	-
Processed vegetables	2	2	2.2	1.8	-
Processed fruit	1	2	-	-0.7	-
Other foods	10	11	3.2	-0.5	-0.04
Coffee and other hot drinks	2	2	0.5	0.9	-

- Negligible overall effect on the all items 12-month rate change.
- There are upward contributions coming from **sweets and chocolates, biscuits and cakes** and **cheese**, where prices overall rose this year but fell a year ago, particularly for chocolate products and cakes.
- Offset by downward contributions coming from **other foods** and, to a lesser extent, **milk products** and **tea**, where prices overall fell this year but rose a year ago, with the main downward contributions coming from chilled pizzas, dried potted snacks, packets of tea bags, mayonnaise, yoghurt products and canned soup.

CATERING	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2016	2017	% change	% change	
			Nov 2016	Nov 2017	
CATERING	47	48	0.4	0.3	-
Restaurant meals	28	29	0.3	0.3	-
Canteen meals	3	3	0.5	0.5	-
Take-away meals and snacks	16	16	0.4	0.2	-

- Negligible overall effect on the all items 12-month rate change.

ALCOHOLIC DRINKS	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2016	2017	% change	% change	
			Nov 2016	Nov 2017	
ALCOHOLIC DRINKS	57	57	-0.3	-0.2	-
Beer on sales	19	19	0.1	0.1	-
Beer off sales	5	5	-1.3	-1.6	-
Wines and spirits on sales	19	19	0.3	0.2	-
Wines and spirits off sales	14	14	-1.4	-0.8	0.01

- Negligible overall effect on the all items 12-month rate change.
- There is a small upward contribution coming from **wines and spirits off sales**, where prices overall fell this year by less than a year ago, with the main upward contribution coming from vodka. Partially offset by a small downward contribution coming from European white wine, where prices overall fell this year but rose a year ago.

TOBACCO	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2016	2017	% change	% change	
			Nov 2016	Nov 2017	
TOBACCO	25	24	0.2	0.1	-
Cigarettes	21	20	0.3	0.2	-
Other tobacco products	4	4	-0.4	-	-

- Negligible overall effect on the all items 12-month rate change.

<b>HOUSING</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
HOUSING	266	266	-	-	-0.01
Rent	83	84	0.1	0.1	-0.01
Mortgage interest payments	28	25	-0.9	0.7	0.04
Council tax and rates	40	39	-	-	-
Water and other charges	13	13	-	-	-
Repairs and maintenance charges	9	9	-	-	-
DIY materials	7	6	-1.9	-0.9	0.01
Dwelling insurance and ground rent	6	6	1.2	0.8	-
House depreciation	80	84	0.2	-0.4	-0.05

- Small downward effect on the all items 12-month rate change.
- Due to:
  - **House depreciation**, with the smoothed house price index used to calculate this component falling this year but rising a year ago; and to a lesser extent
  - **Rent**, where average charges for private rented properties rose this year by less than a year ago.
- Partially offset by:
  - **Mortgage interest payments**, where average charges rose this year but fell a year ago; and to a lesser extent
  - **DIY materials**, where prices overall fell this year by less than a year ago, particularly for wallpaper.

<b>FUEL AND LIGHT</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
FUEL AND LIGHT	41	38	-0.2	0.4	0.02
Coal and solid fuels	1	1	0.7	1.1	-
Electricity	20	19	-	-	-
Gas	18	16	-	-	-
Oil and other fuels	2	2	-3.6	7.2	0.02

- Largest upward effect on the all items 12-month rate change.
- Due to **oil and other fuels**, where average kerosene prices rose this year but fell a year ago.

<b>HOUSEHOLD GOODS</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
HOUSEHOLD GOODS	62	65	0.7	0.4	-0.02
Furniture	25	26	2.0	0.7	-0.03
Furnishings	8	10	0.7	-0.1	-0.01
Electrical appliances	7	6	-2.6	-1.7	0.01
Other household equipment	4	4	-0.1	1.5	0.01
Household consumables	11	11	0.6	-	-0.01
Pet care	7	8	0.2	1.1	0.01

- Small downward effect on the all items 12-month rate change.
- Due to:
  - **Furniture**, where prices overall rose this year by less than a year ago, with the main downward contributions coming from kitchen furniture and bookcases;
  - **Furnishings**, where prices overall fell this year but rose a year ago; and
  - **Household consumables**, where prices overall were little changed this year but rose a year ago, with the main downward contribution coming from fabric conditioner.
- Partially offset by:
  - **Other household equipment**, where prices overall rose this year but fell a year ago;
  - **Pet care**, where prices overall rose this year by more than a year ago, with the main upward contribution coming from dog food; and
  - **Electrical appliances**, where prices overall fell this year by less than a year ago, with the main upward contribution coming from vacuum cleaners. Partially offset by a small downward contribution coming from electric kettles, where prices overall fell this year but rose a year ago.

<b>HOUSEHOLD SERVICES</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
HOUSEHOLD SERVICES	67	64	0.2	0.1	-0.01
Domestic services	14	15	0.1	0.2	-
Fees and subscriptions	27	22	0.2	-0.1	-0.01
Postage	1	1	-	-	-
Telephone charges	25	26	0.4	0.1	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to:
  - **Fees and subscriptions**, where average estate agent fees fell this year but rose a year ago; and

- **Telephone charges**, where prices overall rose this year by less than a year ago, with the main downward contribution coming from bundled telecommunication services.

<b>CLOTHING AND FOOTWEAR</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
CLOTHING AND FOOTWEAR	41	41	1.3	1.1	-0.01
Men's outerwear	9	8	1.3	1.7	-
Women's outerwear	15	15	1.9	1.8	-
Children's outerwear	4	5	1.9	0.3	-0.01
Other clothing	5	5	1.0	0.4	-
Footwear	8	8	0.4	0.2	-

- Small downward effect on the all items 12-month rate change.
- Due to **children's outerwear**, where prices overall rose this year by less than a year ago.

<b>PERSONAL GOODS AND SERVICES</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
PERSONAL GOODS AND SERVICES	42	38	0.3	-0.1	-0.01
Personal articles	12	9	1.2	0.3	-0.01
Chemists' goods	15	15	-0.4	-0.5	-
Personal services	15	14	0.2	0.1	-

- Small downward effect on the all items 12-month rate change.
- Due to **personal articles**, where prices overall rose this year by less than a year ago.

<b>MOTORING EXPENDITURE</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
MOTORING EXPENDITURE	117	123	1.6	1.1	-0.05
Purchase of motor vehicles	45	46	0.4	1.0	0.02
Maintenance of motor vehicles	16	16	0.4	0.1	-
Petrol and oil	33	37	3.7	1.6	-0.08
Vehicle tax and insurance	23	24	1.3	1.4	-

- Largest downward effect on the all items 12-month rate change.
- Due to **petrol and oil**, where prices overall rose this year by less than a year ago. The price of petrol, as recorded for the RPI, rose by 1.7 pence per litre between October and November 2017, to stand at 118.9 pence per litre, compared with a rise of 4.2 pence per litre last year to stand at 116.5 pence per litre. Diesel prices rose by 2.2 pence per litre, to stand

at 122.7 pence per litre in November 2017, compared with a rise of 4.5 pence per litre last year to stand at 118.9 pence per litre.

- Partially offset by **purchase of motor vehicles**, where average prices for both new and second-hand cars rose this year by more than a year ago.

<b>FARES AND OTHER TRAVEL COSTS</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
FARES AND OTHER TRAVEL COSTS	26	26	-5.0	-4.5	0.01
Rail fares	7	6	0.1	-0.1	-
Bus and coach fares	3	3	1.2	1.5	-
Other travel costs	16	17	-8.0	-7.0	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **other travel costs**, where average air fares fell this year by less than a year ago.

<b>LEISURE GOODS</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
LEISURE GOODS	29	29	0.9	0.5	-0.01
Audio-visual equipment	7	6	1.4	-2.7	-0.02
CDs and tapes	2	2	1.9	3.0	-
Toys, photographic and sports goods	9	9	0.1	0.8	0.01
Books and newspapers	6	6	2.2	1.7	-
Gardening products	5	6	-0.3	0.5	-

- Small downward effect on the all items 12-month rate change.
- Due to **audio-visual equipment**, where prices overall fell this year but rose a year ago, particularly for PC peripherals.
- Partially offset by **toys, photographic and sports goods**, where prices overall rose this year by more than a year ago, particularly for computer games.

<b>LEISURE SERVICES</b>	Weight 2016	Weight 2017	1 month % change Nov 2016	1 month % change Nov 2017	Contribution to RPI annual rate change
LEISURE SERVICES	78	79	0.2	0.4	0.02
TV licence and rentals	12	12	-	-	-
Entertainment and other recreation	16	16	-	0.2	-
Foreign holidays	40	40	0.3	0.7	0.02
UK holidays	10	11	-0.1	0.1	-

- Small upward effect on the all items 12-month rate change.
- Due to **foreign holidays**, where prices overall rose this year by more than a year ago.

## RECONCILIATION OF CPI AND RPI

### (Table 5 of the Consumer Price Inflation Dataset)

This table identifies the main factors contributing to the differences between the unrounded inflation rates for the CPI and the RPI. These differences are broken down into: mortgage interest payments, other housing components excluded from the CPI, other differences in the coverage of goods and services, and the formula effect. The final column titled 'other differences including weights' is derived as a residual.

This table currently compares CPI with RPI. In due course it will be updated to compare CPIH with RPI.

The difference between the CPI and RPI unrounded annual rates in November 2017 was -0.79 percentage points, narrowing from -0.96 percentage points in October 2017.

The main factors contributing to the narrowing were:

- **Other differences including weights**, which decreased the RPI 12-month rate relative to the CPI 12-month rate by 0.15 percentage points between October and November 2017. The effect came mainly from fuels and lubricants; air fares; games, toys and hobbies and equipment for sport and open air recreation; and food and non-alcoholic beverages.
- **Other housing components excluded from the CPI**, which decreased the RPI 12-month rate relative to the CPI 12-month rate by 0.06 percentage points between October and November 2017. The effect came mainly from house depreciation.

The main off-setting factor was:

- **Mortgage interest payments**, which increased the RPI 12-month rate by 0.04 percentage points between October and November 2017 but are excluded from the CPI.



## RPI MISCELLANEOUS DATA

### Selected Average Prices

Description		September 2017	October 2017	November 2017
Petrol per litre	Diesel	£1.20	£1.21	£1.23
	Petrol	£1.18	£1.17	£1.19
Alcohol pub prices	Draught bitter (pint)	£3.07	£3.08	£3.07
	Draught lager (pint)	£3.60	£3.61	£3.62
	Whisky (per nip)	£2.81	£2.82	£2.83
Cigarettes	Per 20 king size	£9.61	£9.62	£9.64

Average prices are as recorded for the RPI.

### Changes in Mortgage Interest Rates

This table gives an estimate of the contribution that changes in the average mortgage interest rate (MI) make to the 1-month percentage change in the RPI.

Month	1-month % change in the RPI	Approx. change in average MI rate	Approx. contribution to the 1-month % change in the RPI
November 2016	+0.3	Down -0.03% points	-0.03% points
December 2016	+0.6	Down -0.02% points	-0.02% points
January 2017	-0.6	Down -0.01% points	-0.01% points
February 2017	+1.1	Down -0.01% points	-0.01% points
March 2017	+0.3	Down -0.01% points	-0.01% points
April 2017	+0.5	Down -0.02% points	-0.02% points
May 2017	+0.4	Negligible	-
June 2017	+0.2	Down -0.02% points	-0.02% points
July 2017	+0.2	Down -0.01% points	-0.01% points
August 2017	+0.7	Down -0.01% points	-0.01% points
September 2017	+0.1	Down -0.01% points	-0.01% points
October 2017	+0.1	Down -0.02% points	-0.02% points
November 2017	+0.2	Up +0.01% points	+0.01% points

**NB:** A one percentage point change in the average mortgage interest rate contributes approx. 0.9 percentage points to the 1-month percentage change in the RPI.

## OUTLOOK

The outlook is a summary of seasonal trends, selected news cuttings and other sources of information. It gives some indication of expected changes to the annual rate of the CPIH and RPI in the next few months.

### FOOD

#### Seasonal Food

- With the exception of 2015, seasonal food prices tend to rise in December.

Monthly % change for CPIH seasonal food index			
Year	October	November	December
2011	-1.6	1.7	3.3
2012	0.9	2.3	2.8
2013	-	-0.2	0.9
2014	1.3	0.6	0.6
2015	0.2	0.8	-0.6
2016	-0.2	1.2	0.5
2017	2.1	1.0	

- Seasonal food prices in the RPI tend to show a similar movement.

### CLOTHING AND FOOTWEAR

- Prices for clothing and footwear tend to fall in December.

Monthly % change for CPIH clothing and footwear index			
Year	October	November	December
2011	0.8	1.1	-2.8
2012	1.2	0.6	-1.4
2013	1.0	0.7	-0.9
2014	0.6	0.7	-1.1
2015	2.0	-0.1	-1.3
2016	0.3	1.4	-1.0
2017	0.2	1.2	

- The clothing and footwear group in the RPI exhibits a similar seasonal pattern.

## FURNITURE, HOUSEHOLD EQUIPMENT AND MAINTENANCE

- Prices tend to rise in December.

Monthly % change for CPIH furniture, household equipment and maintenance index			
Year	October	November	December
2011	-0.6	1.0	1.0
2012	-0.6	-0.1	1.2
2013	-0.4	-0.1	1.7
2014	-1.1	0.1	1.6
2015	-1.0	-0.2	1.1
2016	0.5	0.5	0.9
2017	-0.4	0.3	

- The household goods group in the RPI exhibits a similar seasonal pattern.

## TRANSPORT

### Fuels and Lubricants

- Oil prices have decreased as rising U.S. drilling activity pointed to a further increase in American production, countering OPEC-led output cuts. Brent crude futures, the international benchmark for oil prices, fell to \$63.30 while U.S. West Texas Intermediate (WTI) crude futures were at \$57.10 a barrel, down 26 cents from their last settlement. Brent and WTI had previously settled more than 1 percent higher, and oil prices have gained well over a third from 2017 lows. The gains are largely due to production cuts by the Organization of the Petroleum Exporting Countries and a group of non-OPEC producers, including Russia, which have been in place since the start of the year. But this could be offset by rising output from the United States, which is not participating in the deal to withhold production. (reuters.com 11 December 2017)
- When considering the price of petrol between November and December 2017, it may be useful to note that the average price of petrol fell by 0.8 pence per litre between November and December 2016, standing at 114.6 pence per litre as measured in the CPIH.
- A 1 pence change on average in the cost of a litre of motor fuel contributes approximately 0.02 percentage points to the 1-month change in the CPIH.

### Passenger Transport by Air

- Air fares tend to rise in December.

Monthly % change for CPIH air fares index			
Year	October	November	December
2011	-6.0	-7.5	40.9
2012	-3.5	-8.3	21.9
2013	-11.2	-8.1	19.8
2014	-6.0	-12.3	19.3
2015	-12.7	-13.0	46.0
2016	-7.4	-13.4	48.9
2017	-4.8	-10.4	

- The air fares index used in the RPI is the same as that used in the CPIH, and is included in the **other travel costs** section.

### HOUSING (RPI)

#### Mortgage interest payments (MIPs)

- The Bank of England Bank Rate was increased from 0.25% to 0.5% on Thursday 2 November 2017. The next announcement and minutes from the Bank of England's Monetary Policy Committee are scheduled to be published on 14 December 2017.
- The change in average mortgage interest rates recorded in the RPI was -0.02 percentage points between November and December 2016. The Bank of England Bank Rate remained unchanged at 0.25% in November 2016.
- A one percentage point change in the average mortgage interest rate contributes approximately 0.9 percentage points to the 1-month percentage change in the RPI.

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