

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 September 2018 are:

- The all items CPIH is 106.6, up from 106.5 in August.
- The all items CPIH annual rate is 2.2%, down from 2.4% in August.
- The annual rate for CPIH excluding indirect taxes, CPIHY, is 2.1%, down from 2.3% last month.
- The OOH component of CPIH is 105.9, up from 105.7 in August.
- The OOH component annual rate is 1.0%, unchanged from last month.
- The CPIH all goods index is 104.9, up from 104.1 in August.
- The CPIH all goods index annual rate is 2.5%, down from 2.7% last month.
- The CPIH all services index is 107.9, down from 108.3 in August.
- The CPIH all services index annual rate is 2.0%, down from 2.2% 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 September 2018 are:

- The all items CPI is 106.6, up from 106.5 in August.
- The all items CPI annual rate is 2.4%, down from 2.7% in August.
- The annual rate for CPI excluding indirect taxes, CPIY, is 2.4%, down from 2.7% last month.
- The annual rate for CPI at constant tax rates, CPI-CT, is 2.3%, down from 2.6% last month.
- The CPI all goods index is 104.9, up from 104.1 in August.
- The CPI all goods index annual rate is 2.5%, down from 2.8% last month.
- The CPI all services index is 108.6, down from 109.2 in August.
- The CPI all services index annual rate is 2.3%, down from 2.5% 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 September 2018 are:

- The all items RPI is 284.1, down from 284.2 in August.
- The all items RPI annual rate is 3.3%, down from 3.5% last month.
- The annual rate for RPIX, the all items RPI excluding mortgage interest payments (MIPs), is 3.3%, down from 3.4% last month.
- The all goods RPI is 215.1, up from 213.9 in August.
- The all goods RPI annual rate is 3.2%, down from 3.7% last month.
- The all services RPI is 388.6, down from 391.3 in August.
- The all services RPI annual rate is 3.3%, up from 3.1% last month.

CPIH SUMMARY

CONTRIBUTIONS TO CHANGE IN THE CPIH ANNUAL RATE

CPIH COICOP DIVISIONS	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017 Feb-Dec	2018 Feb-Dec	% change Sep 2017	% change Sep 2018	
01: Food and non-alcoholic beverages	81	83	0.8	-0.1	-0.07
02: Alcoholic beverages and tobacco	34	34	0.1	0.2	-
03: Clothing and footwear	58	57	3.9	3.1	-0.05
04: Housing, water, electricity, gas and other fuels	294	301	0.1	0.2	0.04
05: Furniture, household equipment and maintenance	49	48	0.2	-	-0.01
06: Health	21	21	-	0.2	-
07: Transport	126	124	-1.3	-1.8	-0.07
08: Communication	21	20	-0.3	0.3	0.01
09: Recreation and culture	121	120	0.8	0.3	-0.06
10: Education	17	18	0.9	1.0	-
11: Restaurants and hotels	101	97	0.3	0.3	-0.01
12: Miscellaneous goods and services	77	77	-0.1	0.3	0.03

Large downward effects came from:

- Food and non-alcoholic beverages**, where prices fell by 0.1% between August and September 2018 compared with rise of 0.8% between the same two months a year ago. The main effects came from meat where prices fell between August and September this year but rose a year ago and from chocolate;
- Transport**, with passenger transport fares showing larger price falls between August and September 2018 than between the same two months a year ago. The largest effect came from sea fares with a smaller downward effect from air fares. Within transport, there was a further small downward effect from motor fuels. Petrol prices rose by 1.7 pence per litre between August and September 2018 compared with a larger rise of 2.5 pence per litre between August and September 2017. Similarly, diesel rose by 1.5 pence for the same period this year compared with 2.5 pence a year ago. These

effects were partially offset by a small upward contribution from second-hand cars where prices rose by more than a year ago;

- **Recreation and culture**, where the contributions came from cultural services, in particular from theatre admission prices which fell this year but rose a year ago, and from games, toys and hobbies, specifically from computer games. These games are heavily dependent on the composition of bestseller charts, often resulting in large overall price changes from month to month. There were partially offsetting small upward contributions from computer software, tablet computers, DVDs and package holidays; and
- **Clothing and footwear**, with average prices rising by 3.1% between August and September 2018 compared with a rise of 3.9% between the same two months a year ago. This downward effect came principally from women's clothing with smaller downward contributions from children's clothing and women's footwear. There was a partially offsetting upward movement from menswear.

Small downward effects came from:

- **Furniture, household equipment and maintenance**, where prices were little changed between August and September 2018 but rose between the same two months a year ago; and
- **Restaurants and hotels**, where prices overall rose by less than a year ago.

A large upward effect came from:

- **Housing and household services**, where prices for electricity and gas rose between August and September 2018 but were unchanged between the same two months a year ago.

Small upward effects came from:

- **Miscellaneous goods and services**, with small upwards effects from appliances and products for personal care and from house contents insurance, where prices rose this year but fell a year ago; and
- **Communication**, where mobile phone charges rose between August and September 2018 but fell a year ago.

CPIH NOTABLE MOVEMENTS

All items CPIH	Annual rate +2.2%, down from +2.4% last month Also +2.2% in April 2018 Last lower in January 2017 (+1.9%)
All items CPIH exc energy, food, alcohol and tobacco	Annual rate +1.8%, down from +1.9% last month Also +1.8% in July 2018, June 2018, January 2017 and December 2016 Last lower in November 2016 (+1.7%)
Food and non-alcoholic beverages	Annual rate +1.5%, down from +2.4% last month Lowest since March 2017 (+1.3%)
Clothing and footwear	Annual rate -0.4%, down from +0.3% last month Also -0.4% in July 2018 Last lower in October 2016 (-0.7%)
Furniture, household equipment and maintenance	Annual rate +0.4%, down from +0.7% last month Also +0.4% in January 2017 Last lower in October 2016 (+0.1%)
Education	Annual rate +2.9%, up from +2.8% last month Also +2.9% in September 2017 Last higher in August 2017 (+4.3%)
All goods	Annual rate +2.5%, down from +2.7% last month Also +2.5% in June 2018 and May 2018 Last lower in March 2018 (+2.4%)
All services	Annual rate +2.0%, down from +2.2% last month Also +2.0% in July 2018 and June 2018 Last lower in April 2018 (+1.9%)

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.

01 FOOD AND NON-ALCOHOLIC BEVERAGES	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
01 Food & non-alcoholic beverages	81	83	0.8	-0.1	-0.07

- Largest downward effect on the all items 12-month rate change.
- Due to **food** and, to a lesser extent, **non-alcoholic beverages**.

01.1 Food	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
01.1 Food	71	73	0.8	-0.2	-0.07
01.1.1 Bread and cereals	12	12	-0.4	-0.9	-0.01
01.1.2 Meat	16	16	1.3	-0.4	-0.03
01.1.3 Fish	3	3	2.2	-0.1	-0.01
01.1.4 Milk, cheese and eggs	9	9	-0.1	-0.3	-
01.1.5 Oils and fats	2	2	6.2	7.0	-
01.1.6 Fruit	7	8	1.6	1.9	-
01.1.7 Vegetables including potatoes	10	10	-	-0.2	-
01.1.8 Sugar, jam, syrups, chocolate and confectionery	10	11	0.6	-1.4	-0.02
01.1.9 Food products not elsewhere covered	2	2	2.4	-1.4	-0.01

- Large downward effect on the all items 12-month rate change.
- Due to **meat; sugar, jam, syrups, chocolate and confectionery; bread and cereals; fish; and food products not elsewhere covered**.

Bread and cereals

- Small downward effect.
- Prices overall fell this year by more than a year ago, with the main downward contribution coming from chilled pizza.
- Partially offset by a small upward contribution coming from cereal bars, where prices overall fell this year by less than a year ago.

Meat

- Small downward effect.
- Prices overall fell this year but rose a year ago, with the main downward contributions coming from continental meats and sausages.

Fish

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

Sugar, jam, syrups, chocolate and confectionery

- Small downward effect.
- Prices overall fell this year but rose a year ago, with the main downward contributions coming from cartons/boxes of chocolates and large bars of chocolate.

Food products not elsewhere covered

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

01.2 Non-alcoholic beverages	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
01.2 Non-alcoholic beverages	10	10	0.7	0.2	-0.01
01.2.1 Coffee, tea and cocoa	3	3	0.9	-0.2	-
01.2.2 Mineral waters, soft drinks and juices	7	7	0.6	0.4	-

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

02 ALCOHOLIC BEVERAGES AND TOBACCO	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
02 Alcoholic beverages and tobacco	34	34	0.1	0.2	-

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

02.1 Alcoholic Beverages	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
02.1 Alcoholic beverages	16	16	-0.6	0.2	0.01
02.1.1 Spirits	5	5	-2.9	0.5	0.02
02.1.2 Wine	7	7	0.1	-0.2	-
02.1.3 Beer	4	4	0.9	0.5	-

- Small upward effect on the all items 12-month rate change.
- Due to **spirits**, where prices overall rose this year but fell a year ago, with the main upward contributions coming from whisky and vodka.

02.2 Tobacco	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
02.2 Tobacco	18	18	0.8	0.1	-0.01

- Small downward effect on the all items 12-month rate change.
- Prices overall rose this year by less than a year ago, particularly for some brands of cigarettes.

03 CLOTHING AND FOOTWEAR	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
03 Clothing and footwear	58	57	3.9	3.1	-0.05

- Large 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
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
03.1 Clothing	49	47	4.2	3.4	-0.05
03.1.2 Garments	44	42	4.5	3.6	-0.05
03.1.3 Other clothing and clothing accessories	4	4	2.3	2.0	-
03.1.4 Cleaning, repair and hire of clothing	1	1	0.2	0.2	-

- Large downward effect on the all items 12-month rate change.
- Due to **garments**, where prices overall rose this year by less than a year ago, with the main downward contributions coming from women's skirts and showerproof jackets; girl's fashion tops; and boy's T-shirts.
- Partially offset by a small upward contribution coming from men's coats, where prices overall rose this year by more than a year ago.

03.2 Footwear including repairs	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
03.2 Footwear including repairs	9	10	1.9	1.5	-

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

04 HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
04 Housing, water, electricity, gas and other fuels	294	301	0.1	0.2	0.04

- Largest upward effect on the all items 12-month rate change.
- Due to **electricity, gas and other fuels**; and, to a lesser extent, **actual rentals for housing**.

04.1 Actual rentals for housing	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
04.1 Actual rentals for housing	56	69	0.1	0.1	0.01

- Small upward effect on the all items 12-month rate change.
- Charges overall rose slightly more than a year ago. However, as the weight for actual rentals for housing has increased between 2017 and 2018 this has resulted in an upward effect on the all items 12-month rate change.

4.2 Owner occupiers' housing costs	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
4.2 Owner occupiers' housing costs	174	169	0.1	0.1	-

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

04.3 Regular maintenance and repair of the dwelling	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
04.3 Regular maintenance and repair of the dwelling	2	2	0.5	0.3	-
04.3.1 Materials for maintenance and repair	1	1	1.0	0.4	-
04.3.2 Services for maintenance and repair	1	1	0.1	0.1	-

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

04.4 Other services related to the dwelling	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
04.4 Other services related to the dwelling	9	9	-	-	-
04.4.1 Water supply	4	4	-	-	-
04.4.3 Sewerage collection	5	5	-	-	-

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

04.5 Electricity, gas and other fuels	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
04.5 Electricity, gas and other fuels	27	27	0.1	1.6	0.04
04.5.1 Electricity	13	13	-	1.8	0.02
04.5.2 Gas	12	12	-	1.2	0.01
04.5.3 Liquid fuels	1	1	4.1	4.9	-
04.5.4 Solid fuels	1	1	-	-0.4	-

- Large upward effect on the all items 12-month rate change.
- Due to **electricity** and **gas**, where average charges rose this year but were unchanged a year ago.

4.9 Council tax and rates	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
4.9 Council tax and rates	26	25	-	-	-

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

05 FURNITURE, HOUSEHOLD EQUIPMENT AND MAINTENANCE	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
05 Furniture, household equipment and maintenance	49	48	0.2	-	-0.01

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

05.1 Furniture, furnishings and carpets	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.1 Furniture, furnishings and carpets	18	18	0.3	-0.2	-0.01
05.1.1 Furniture and furnishings	15	14	0.2	-0.4	-0.01
05.1.2 Carpets and other floor coverings	3	4	0.9	0.5	-

- Small downward effect on the all items 12-month rate change.
- Due to **furniture and furnishings**, where prices overall fell this year but rose a year ago.

05.2 Household textiles	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.2 Household textiles	6	5	1.6	0.9	-

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

05.3 Household appliances, fitting and repairs	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.3 Household appliances, fitting and repairs	7	7	-0.4	-1.4	-0.01
05.3.1/2 Major appliances and small electric goods	6	6	-0.5	-1.7	-0.01
05.3.3 Repair of household appliances	1	1	0.2	0.2	-

- Small downward effect on the all items 12-month rate change.
- Due to **major appliances and small electric goods**, where prices overall fell this year by more than a year ago.

05.4 Glassware, tableware and household utensils	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.4 Glassware, tableware and household utensils	4	4	-0.5	1.4	0.01

- Small upward effect on the all items 12-month rate change.
- Prices overall rose this year but fell a year ago.

05.5 Tools and equipment for house and garden	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.5 Tools and equipment for house and garden	4	4	0.7	-0.4	-0.01

- Small downward effect on the all items 12-month rate change.
- Prices overall fell this year but rose a year ago, particularly for door handles.

05.6 Goods and services for routine maintenance	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
05.6 Goods and services for routine maintenance	10	10	-0.3	0.3	0.01
05.6.1 Non-durable household goods	4	4	-0.9	0.5	0.01
05.6.2 Domestic services and household services	6	6	0.1	0.2	-

- Small upward effect on the all items 12-month rate change.
- Due to **non-durable household goods**, where prices overall rose this year but fell a year ago.

06 HEALTH	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
06 Health	21	21	-	0.2	-

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

06.1 Medical products, appliances and equipment	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
06.1 Medical products, appliances and equipment	10	9	-0.1	0.4	-
06.1.1 Pharmaceutical products	6	5	-0.3	0.3	-
06.1.2/3 Other medical and therapeutic equipment	4	4	0.3	0.4	-

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

06.2 Out-patient services	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
06.2 Out-patient services	5	7	0.2	0.2	-
06.2.1/3 Medical and paramedical services	3	4	0.2	0.3	-
06.2.2 Dental services	2	3	0.1	-	-

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

06.3 Hospital services	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
06.3 Hospital Services	6	5	-	-	-

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

07 TRANSPORT	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
07 Transport	126	124	-1.3	-1.8	-0.07

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

07.1 Purchase of vehicles	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
07.1 Purchase of vehicles	37	38	0.3	0.6	0.01
07.1.1A New cars	21	22	-	-	-
07.1.1B Second-hand cars	14	14	0.7	1.4	0.01
07.1.2/3 Motorcycles and bicycles	2	2	1.1	0.6	-

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

07.2 Operation of personal transport equipment	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
07.2 Operation of personal transport equipment	61	58	1.0	0.7	-0.02
07.2.1 Spare parts and accessories	4	4	0.2	0.6	-
07.2.2 Fuels and lubricants	26	25	2.1	1.3	-0.02
07.2.3 Maintenance and repairs	20	19	0.3	0.2	-
07.2.4 Other services	11	10	-0.2	0.4	0.01

- Small downward effect on the all items 12-month rate change.
- Due to **fuels and lubricants**.
- Partially offset by **other services**.

Fuels and lubricants

- Small downward effect.
- Prices overall rose this year by less than a year ago.
- The average price of petrol across the month, as recorded for the CPIH, rose by 1.7 pence per litre between August and September 2018, to stand at 130.3 pence per litre.
- Last year, the average price of petrol rose by 2.5 pence per litre between August and September 2017, to stand at 118.2 pence per litre.
- The average price of diesel rose by 1.5 pence per litre between August and September 2018 to stand at 134.3 pence per litre, compared with a larger rise of 2.5 pence per litre a year earlier, to stand at 120.1 pence per litre.

Other services

- Small upward effect.
- Prices overall rose this year but fell a year ago, particularly for self-drive car hire.

07.3 Transport services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
07.3 Transport services	28	28	-7.7	-9.3	-0.06
07.3.1 Passenger transport by railway	11	11	-0.3	0.1	-
07.3.2 Passenger transport by road	10	10	-0.3	-0.7	-
07.3.3 Passenger transport by air	4	4	-26.7	-27.3	-0.01
07.3.4 Passenger transport by sea and inland waterway	3	3	-15.2	-26.5	-0.06

- Large downward effect on the all items 12-month rate change.
- Due to **passenger transport by sea and inland waterway** and, to a lesser extent,

passenger transport by air.

Passenger transport by air

- Small downward effect.
- Average air fares fell this year by more than a year ago, with the main downward contribution coming from European flights. Partially offset by a small upward contribution coming from long haul flights.

Passenger transport by sea and inland waterway

- Large downward effect.
- Average international sea fares fell this year by more than a year ago.

08 COMMUNICATION	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
08 Communication	21	20	-0.3	0.3	0.01

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

08.1 Postal services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
08.1 Postal services	1	1	-	-	-

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

08.2/3 Telephone equipment and services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
08.2/3 Telephone equipment and services	20	19	-0.3	0.3	0.01

- Small upward effect on the all items 12-month rate change.
- Prices overall rose this year but fell a year ago, with the main upward contribution coming from mobile phone charges.

09 RECREATION AND CULTURE	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
09 Recreation and culture	121	120	0.8	0.3	-0.06

- Large downward effect on the all items 12-month rate change.
- Due to **recreational and cultural services; other recreational items, gardens and pets;** and, to a lesser extent, **books, newspapers and stationery.**
- Partially offset by **audio-visual equipment and related products;** and, to a lesser extent, **package holidays.**

09.1 Audio-visual equipment and related products	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
09.1 Audio-visual equipment and related products	15	14	-1.2	1.2	0.04
09.1.1 Equipment for the reception and reproduction of sound and pictures	3	4	0.4	1.4	-
09.1.2 Photographic, cinematographic and optical equipment	2	1	0.6	-0.8	-
09.1.3 Data processing equipment	5	5	-2.7	1.5	0.02
09.1.4 Recording media	4	3	-1.7	1.6	0.01
09.1.5 Repair of audio-visual equipment and related products	1	1	0.1	-	-

- Large upward effect on the all items 12-month rate change.
- Due to **data processing equipment and recording media.**

Data processing equipment

- Small upward effect.
- Prices overall rose this year but fell a year ago, with the main upward contributions coming from computer software and tablet computers.

Recording media

- Small upward effect.
- Prices overall rose this year but fell a year ago, particularly for DVDs.
- Partially offset by a small downward contribution coming from CDs purchased over the internet.

09.2 Other major durables for recreation and culture	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
09.2.1/2 Major durables for in/outdoor recreation	13	14	0.1	-	-

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

09.3 Other recreational items, gardens and pets	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
09.3 Other recreational items, gardens and pets	30	29	2.6	1.1	-0.04
09.3.1 Games, toys and hobbies	16	17	4.4	1.6	-0.04
09.3.2 Equipment for sport and open-air recreation	3	2	2.0	1.1	-
09.3.3 Gardens, plants and flowers	4	3	0.9	0.3	-
09.3.4/5 Pets, related products and services	7	7	-	0.1	-

- Large downward effect on the all items 12-month rate change.
- Due to **games, toys and hobbies**, where prices overall rose this year by less than a year ago, with the main downward contributions coming from computer games and computer game consoles. Partially offset by a small upward contribution coming from craft kits.

09.4 Recreational and cultural services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
09.4 Recreational and cultural services	26	23	0.3	-1.4	-0.04
09.4.1 Recreational and sporting services	8	7	1.2	1.2	-
09.4.2 Cultural services	18	16	-0.2	-2.5	-0.04

- Large downward effect on the all items 12-month rate change.
- Due to **cultural services**, where charges overall fell this year by more than a year ago. With the main downward contributions coming from theatre admission and live music events.

09.5 Books, newspapers and stationery	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
09.5 Books, newspapers and stationery	9	9	2.3	-	-0.02
09.5.1 Books	3	3	7.4	-0.1	-0.02
09.5.2 Newspapers and periodicals	3	3	0.1	-0.1	-
09.5.3/4 Misc. printed matter, stationery, drawing materials	3	3	-0.6	0.3	-

- Small downward effect on the all items 12-month rate change.
- Due to **books**, where prices overall fell this year but rose a year ago, with the main downward contribution coming from eBooks.

09.6 Package holidays	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
09.6 Package holidays	28	31	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, particularly for foreign hotel holidays.

10 EDUCATION	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
10 Education	17	18	0.9	1.0	-

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

11 RESTAURANTS AND HOTELS	Weight	Weight	1 month	1 month	Contribution to CPIH annual rate change
	2017	2018	% change	% change	
	Feb-Dec	Feb-Dec	Sep 2017	Sep 2018	
11 Restaurants and hotels	101	97	0.3	0.3	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **catering services**.
- Partially offset by **accommodation services**.

11.1 Catering services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
11.1 Catering services	77	75	0.3	0.2	-0.01
11.1.1 Restaurants and cafes	70	69	0.3	0.2	-0.01
11.1.2 Canteens	7	6	0.3	0.4	-

- Small downward effect on the all items 12-month rate change.
- Due to **restaurants and cafes**, where average prices rose this year by less than a year ago.

11.2 Accommodation services	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
11.2 Accommodation services	24	22	0.4	0.6	0.01

- Small upward effect on the all items 12-month rate change.
- Charges overall rose this year by more than a year ago.

12 MISCELLANEOUS GOODS AND SERVICES	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12 Misc. goods and services	77	77	-0.1	0.3	0.03

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

12.1 Personal care	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.1 Personal care	25	25	-0.7	0.2	0.02
12.1.1 Hairdressing and personal grooming establishments	6	6	0.2	0.2	-
12.1.2/3 Appliances and products for personal care	19	19	-1.0	0.2	0.02

- Small upward effect on the all items 12-month rate change.
- Due to **appliances and products for personal care**, where prices overall rose this year but fell a year ago, with the main upward contributions coming from tissues, toilet rolls and toothbrushes.

12.3 Personal effects not elsewhere covered	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.3 Personal effects not elsewhere covered	11	12	0.9	1.0	-
12.3.1 Jewellery, clocks and watches	7	8	-0.1	0.1	-
12.3.2 Other personal effects	4	4	2.5	2.5	-

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

12.4 Social protection	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.4 Social protection	13	14	0.1	0.1	-

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

12.5 Insurance	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.5 Insurance	7	7	-0.2	0.4	-
12.5.2 House contents insurance	2	2	-2.0	0.8	0.01
12.5.3 Health insurance	2	2	-	-	-
12.5.4 Transport insurance	3	3	0.8	0.4	-

- Negligible overall effect on the all items 12-month rate change.
- There was a small upward contribution coming from **house contents insurance**, where average premiums rose this year but fell a year ago.

12.6 Financial services not elsewhere covered	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.6 Financial services not elsewhere covered	11	9	0.2	0.3	-

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

12.7 Other services not elsewhere covered	Weight 2017 Feb-Dec	Weight 2018 Feb-Dec	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to CPIH annual rate change
12.7 Other services not elsewhere covered	10	10	-	0.2	-

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

RPI SUMMARY

CONTRIBUTIONS TO CHANGE IN THE RPI ANNUAL RATE

GROUPS	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
FOOD	102	102	0.9	-0.1	-0.10
CATERING	48	50	0.4	0.2	-0.01
ALCOHOLIC DRINKS	57	56	0.1	0.2	0.01
TOBACCO	24	23	0.8	0.2	-0.01
HOUSING	266	257	0.2	0.1	-0.04
FUEL AND LIGHT	38	37	0.1	1.6	0.05
HOUSEHOLD GOODS	65	68	-	-0.4	-0.02
HOUSEHOLD SERVICES	64	58	-0.1	0.6	0.04
CLOTHING AND FOOTWEAR	41	43	4.1	3.3	-0.03
PERSONAL GOODS AND SERVICES	38	42	0.2	0.3	0.01
MOTORING EXPENDITURE	123	124	1.1	0.9	-0.02
FARES AND OTHER TRAVEL COSTS	26	25	-14.3	-14.5	-
LEISURE GOODS	29	30	1.9	0.4	-0.04
LEISURE SERVICES	79	85	0.4	0.3	-0.01

RPI NOTABLE MOVEMENTS

All items RPI	Annual rate +3.3%, down from +3.5% last month Lowest since July 2018 (+3.2%)
All items RPI exc MIPS (RPIX)	Annual rate +3.3%, down from +3.4% last month Also +3.3% in July 2018 Last lower in January 2017 (+2.9%)
Food	Annual rate +1.4%, down from +2.4% last month Lowest since March 2017 (+1.2%)
Non-seasonal food	Annual rate +1.1%, down from +2.3% last month Also +1.1% in April 2017 Last lower in March 2017 (+1.0%)
Fuel and light	Annual rate +8.3%, up from +6.8% last month Highest since August 2012 (+9.7%)
Household goods	Annual rate +1.0%, down from +1.4% last month Lowest since September 2016 (0.0%)
Clothing and footwear	Annual rate +5.5%, down from +6.3% last month Lowest since October 2016 (+5.4%)
Furniture	Annual rate +0.4%, down from +1.4% last month Also +0.4% in July 2018 Last lower in September 2016 (-0.2%)
Leisure goods	Annual rate +0.8%, down from +2.2% last month Lowest since October 2016 (+0.1%)
All goods	Annual rate +3.2%, down from +3.7% last month Also +3.2%, in March 2018 Last lower in January 2017 (+2.8%)
All services	Annual rate +3.3%, up from +3.1% last month Highest since March 2018 (+3.5%)

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.

FOOD	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
FOOD	102	102	0.9	-0.1	-0.10

- Largest downward effect on the all items 12-month rate change.
- Due to **non-seasonal food**.

Seasonal Food	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
SEASONAL FOOD	18	18	1.1	1.2	-
Home killed lamb	1	1	-1.1	-3.6	-
Fresh fish	2	2	3.4	2.5	-
Eggs	1	1	0.2	-1.7	-
Unprocessed potatoes	1	1	-0.8	1.7	-
Other fresh vegetables	6	6	0.1	1.1	0.01
Fresh fruit	7	7	2.1	2.1	-

- Negligible overall effect on the all items 12-month rate change.
- There was a small upward contribution coming from **other fresh vegetables**, where prices overall rose this year by more than a year ago.

Non-Seasonal Food	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
NON-SEASONAL FOOD	84	84	0.8	-0.4	-0.10
Bread	4	4	0.4	-0.2	-
Cereals	3	3	-2.6	-0.8	0.01
Biscuits and cakes	6	6	-0.5	1.0	0.01
Beef	4	3	-0.8	-1.0	-
Imported lamb	1	1	4.7	-1.6	-0.01
Pork	1	1	0.5	2.4	-
Bacon	1	1	-0.5	-0.1	-
Poultry	3	4	0.8	-0.9	-0.01
Other meat	6	6	2.3	-0.1	-0.01
Processed fish	2	2	1.3	-1.1	-
Butter	1	1	6.5	-1.6	-0.01
Oils and fats	1	1	4.5	10.7	0.01
Cheese	3	3	0.4	0.1	-
Milk, fresh	3	3	0.3	0.7	-
Milk products	4	4	-2.1	-1.5	-
Tea	1	1	4.7	-1.9	-0.01
Soft drinks	8	8	0.7	0.4	-
Sugar and preserves	1	1	2.5	3.1	-
Sweets and chocolates	11	11	0.9	-1.6	-0.03
Potato products	3	3	1.5	-1.9	-0.01
Processed vegetables	2	2	-2.3	0.4	0.01
Processed fruit	2	2	-0.6	2.1	0.01
Other foods	11	11	3.0	-1.9	-0.05
Coffee and other hot drinks	2	2	-0.8	0.3	-

- Large downward effect on the all items 12-month rate change.
- Due to **other foods**, and, to a lesser extent, **sweets and chocolates**; **imported lamb**; **poultry**; **other meat**; **butter**; **tea**; and **potato products**, where prices overall fell this year but rose a year ago, with the main downward contributions coming from chilled pizza, mayonnaise, dried potted snacks, cook-in sauces, cartons/boxes of chocolates, large chocolate bars, frozen lamb joints, smaller packets of tea bags and premium potato crisps.
- Partially offset by:
 - **Biscuits and cakes**; **processed vegetables**; and **processed fruit**; where prices overall rose this year but fell a year ago, particularly for packets of peanuts;
 - **Cereals**, where prices overall fell this year by less than a year ago, with the main upward contribution coming from basmati rice; and
 - **Oils and fats**, where prices overall rose this year by more than a year ago, particularly for margarine/low fat spread.

CATERING	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
CATERING	48	50	0.4	0.2	-0.01
Restaurant meals	29	30	0.4	0.1	-0.01
Canteen meals	3	3	0.3	0.6	-
Take-away meals and snacks	16	17	0.3	0.3	-

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

ALCOHOLIC DRINKS	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
ALCOHOLIC DRINKS	57	56	0.1	0.2	0.01
Beer on sales	19	18	0.1	0.2	-
Beer off sales	5	5	1.2	0.6	-
Wines and spirits on sales	19	19	0.3	0.2	-
Wines and spirits off sales	14	14	-0.9	-0.2	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **wines and spirits off sales**, where prices overall fell this year by less than a year ago, with the main upward contributions coming from whisky and vodka.

TOBACCO	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
TOBACCO	24	23	0.8	0.2	-0.01
Cigarettes	20	19	0.9	-	-0.02
Other tobacco products	4	4	0.2	0.8	-

- Small downward effect on the all items 12-month rate change.
- Due to **cigarettes**, where prices were little changed this year but rose a year ago.

HOUSING	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
HOUSING	266	257	0.2	0.1	-0.04
Rent	84	76	0.1	0.1	-
Mortgage interest payments	25	24	-0.2	-2.0	-0.05
Council tax and rates	39	38	-	-	-
Water and other charges	13	12	-	-	-
Repairs and maintenance charges	9	9	0.1	0.2	-
DIY materials	6	8	0.9	0.5	-
Dwelling insurance and ground rent	6	7	0.4	1.0	-
House depreciation	84	83	0.6	0.6	-

- Large downward effect on the all items 12-month rate change.
- Due to **mortgage interest payments**, where charges overall fell this year by more than a year ago.

FUEL AND LIGHT	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
FUEL AND LIGHT	38	37	0.1	1.6	0.05
Coal and solid fuels	1	1	-	-0.4	-
Electricity	19	20	-	1.8	0.04
Gas	16	15	-	1.2	0.02
Oil and other fuels	2	1	3.2	4.1	-

- Largest upward effect on the all items 12-month rate change.
- Due to **electricity** and, to a lesser extent, **gas**, where average charges rose this year but were unchanged a year ago.

HOUSEHOLD GOODS	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
HOUSEHOLD GOODS	65	68	-	-0.4	-0.02
Furniture	26	28	-	-1.0	-0.03
Furnishings	10	9	1.3	0.9	-0.01
Electrical appliances	6	7	-0.7	-1.9	-0.01
Other household equipment	4	4	-0.7	1.2	0.01
Household consumables	11	11	-0.8	0.1	0.01
Pet care	8	9	-	0.2	-

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

- **Furniture**, where prices overall fell this year but were little changed a year ago, with the main downward contributions coming from kitchen wall units and mattresses;
- **Furnishings**, where prices overall rose this year by less than a year ago; and
- **Electrical appliances**, where prices overall fell this year by more than a year ago, particularly for electric kettles.
- Partially offset by **other household equipment**; and **household consumables**; where prices overall rose this year but fell a year ago, particularly for dishwasher tablets.

HOUSEHOLD SERVICES	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
HOUSEHOLD SERVICES	64	58	-0.1	0.6	0.04
Domestic services	15	13	0.1	0.2	-
Fees and subscriptions	22	19	0.1	0.7	0.01
Postage	1	1	-	-	-
Telephone charges	26	25	-0.2	0.8	0.03

- Large upward effect on the all items 12-month rate change.
- Due to:
 - **Telephone charges**, where prices overall rose this year but fell a year ago, with the main upward contributions coming from mobile phone charges and mobile phone applications; and
 - **Fees and subscriptions**, where prices overall rose this year by more than a year ago, with the main upward contribution coming from house contents insurance.

CLOTHING AND FOOTWEAR	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
CLOTHING AND FOOTWEAR	41	43	4.1	3.3	-0.03
Men's outerwear	8	9	4.0	4.4	0.01
Women's outerwear	15	16	5.6	4.4	-0.02
Children's outerwear	5	5	5.2	2.4	-0.01
Other clothing	5	5	2.3	1.3	-
Footwear	8	8	1.5	1.5	-

- Small downward effect on the all items 12-month rate change.
- Due to **women's outerwear** and **children's outerwear**, where prices overall rose this year by less than a year ago, with the main downward contributions coming from women's showerproof jackets and long-sleeved tops; and girl's fashion tops.
- Partially offset by **men's outerwear**, where prices overall rose this year by more than a year

ago, particularly for men's coats.

PERSONAL GOODS AND SERVICES	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
PERSONAL GOODS AND SERVICES	38	42	0.2	0.3	0.01
Personal articles	9	11	1.2	0.6	-
Chemists' goods	15	15	-0.3	0.3	0.01
Personal services	14	16	0.1	0.1	-

- Small upward effect on the all items 12-month rate change.
- Due to **chemists' goods**, where prices overall rose this year but fell a year ago, particularly for tissues and toothbrushes.

MOTORING EXPENDITURE	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
MOTORING EXPENDITURE	123	124	1.1	0.9	-0.02
Purchase of motor vehicles	46	50	0.4	0.7	0.02
Maintenance of motor vehicles	16	16	0.3	0.3	-
Petrol and oil	37	34	2.2	1.4	-0.03
Vehicle tax and insurance	24	24	1.1	0.6	-0.02

- Small 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 1.8 pence per litre between August and September 2018, to stand at 130.2 pence per litre, compared with a larger rise of 2.6 pence per litre last year, to stand at 118.1 pence per litre. Diesel prices rose by 1.7 pence per litre, to stand at 134.3 pence per litre in September 2018, compared with a larger rise of 2.5 pence per litre last year, to stand at 119.9 pence per litre; and
 - **Vehicle tax and insurance**, where average car insurance premiums rose this year by less than a year ago.
- Partially offset by **purchase of motor vehicles**, where prices overall rose this year by more than a year ago, with the main upward contribution coming from second-hand cars.

FARES AND OTHER TRAVEL COSTS	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
FARES AND OTHER TRAVEL COSTS	26	25	-14.3	-14.5	-
Rail fares	6	6	-0.3	0.1	-
Bus and coach fares	3	3	-0.5	-2.0	-
Other travel costs	17	16	-19.6	-20.1	-

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

LEISURE GOODS	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
LEISURE GOODS	29	30	1.9	0.4	-0.04
Audio-visual equipment	6	6	-	-	0.01
CDs and tapes	2	2	-2.6	2.5	0.01
Toys, photographic and sports goods	9	10	2.4	0.8	-0.01
Books and newspapers	6	6	7.2	-0.3	-0.04
Gardening products	6	6	0.3	0.4	-

- Large downward effect on the all items 12-month rate change.
- Due to:
 - **Books and newspapers**, where prices overall fell this year but rose a year ago, particularly for eBooks; and, to a lesser extent
 - **Toys, photographic and sports goods**, where prices overall rose this year by less than a year ago.
- Partially offset by:
 - **Audio-visual equipment**, where prices overall rose slightly this year but fell slightly a year ago, with the main upward contribution coming from PC peripherals; and
 - **CDs and tapes**, where prices overall rose this year but fell a year ago, particularly for DVDs purchased via the internet. Partially offset by a small downward contribution coming from CDs purchased via the internet.

LEISURE SERVICES	Weight 2017	Weight 2018	1 month % change Sep 2017	1 month % change Sep 2018	Contribution to RPI annual rate change
LEISURE SERVICES	79	85	0.4	0.3	-0.01
TV licence and rentals	12	11	-	-	-
Entertainment and other recreation	16	16	0.8	-0.8	-0.03
Foreign holidays	40	47	0.4	0.6	0.01
UK holidays	11	11	0.4	0.8	0.01

- Small downward effect on the all items 12-month rate change.
- Due to **entertainment and other recreation**, where charges overall fell this year but rose a year ago, with the main downward contributions coming from theatre admission and live music events.
- Partially offset by **foreign holidays** and **UK holidays**, where prices overall rose this year by more than a year ago, with the main upward contributions coming from hotel foreign holidays and cruises. Partially offset by a small downward contribution coming from late booked foreign holidays.

RECONCILIATION OF CPIH AND RPI

(Table 5a of the Consumer Price Inflation Dataset)

This table identifies the main factors contributing to the differences between the unrounded inflation rates for the CPIH and the RPI. These differences are broken down into: mortgage interest payments, other housing components excluded from the CPIH, imputed rents (included in CPIH and excluded from RPI), 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.

The corresponding figures for the Consumer Prices Index (CPI) can be found in Table 5b in the [Consumer price inflation dataset](#).

The difference between the CPIH and RPI unrounded annual rates in September 2018 was -1.07 percentage points, widening from -1.05 percentage points in August 2018.

The main factor contributing to the widening was:

- **Other differences including weights**, which increased the RPI 12-month rate relative to the CPIH 12-month rate by 0.10 percentage points between August and September 2018. The effect came mainly from sea fares; games, toys and hobbies and equipment for sport and open-air recreation; clothing and footwear; and air fares. This was partially offset by food and non-alcoholic beverages; and furniture and furnishings, carpets and household textiles.

The main offsetting factors were:

- **Mortgage Interest Payments**, which decreased the RPI 12-month rate by 0.05 percentage points between August and September 2018 but are excluded from the CPIH.
- **The formula effect**, which decreased the RPI 12-month rate relative to the CPIH 12-month rate by 0.04 percentage points between August and September 2018. The effect came mainly from recreation and culture.

RPI MISCELLANEOUS DATA

Selected Average Prices

Description		July 2018	August 2018	September 2018
Petrol per litre	Diesel	£1.32	£1.33	£1.34
	Petrol	£1.27	£1.28	£1.30
Alcohol pub prices	Draught bitter (pint)	£3.07	£3.06	£3.06
	Draught lager (pint)	£3.65	£3.65	£3.66
	Whisky (per nip)	£2.87	£2.89	£2.89
Cigarettes	Per 20 king size	£10.26	£10.25	£10.25

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
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
December 2017	+0.8	Up +0.09% points	+0.08% points
January 2018	-0.8	Down -0.04% points	-0.04% points
February 2018	+0.8	Down -0.01% points	-0.01% points
March 2018	+0.1	Down -0.02% points	-0.02% points
April 2018	+0.5	Down -0.01% points	-0.01% points
May 2018	+0.4	Down -0.02% points	-0.02% points
June 2018	+0.3	Down -0.01% points	-0.01% points
July 2018	+0.1	Negligible	-
August 2018	+0.9	Up +0.06% points	+0.06% points
September 2018	0.0	Down -0.06% points	-0.06% points

NB: A one percentage point change in the average mortgage interest rate contributes approx. 1.0 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 2016, seasonal food prices tend to rise in October, but are typically dependent on weather conditions both in the UK and around the world.

Monthly % change for CPIH seasonal food index			
Year	August	September	October
2012	0.3	-0.1	0.9
2013	0.1	1.1	-
2014	-0.3	-0.5	1.3
2015	-0.4	0.4	0.2
2016	-0.3	1.2	-0.2
2017	-0.1	0.9	2.1
2018	0.8	0.6	

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

CLOTHING AND FOOTWEAR

- Prices for clothing and footwear tend to rise in October.

Monthly % change for CPIH clothing and footwear index			
Year	August	September	October
2012	2.8	4.6	1.2
2013	1.9	4.2	1.0
2014	2.6	4.0	0.6
2015	1.5	2.8	2.0
2016	1.0	5.1	0.3
2017	2.4	3.9	0.2
2018	3.1	3.1	

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

HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS

Electricity, Gas and Other Fuels

- British Gas has announced a 3.8% increase in its standard variable tariff (SVT), with effect from 1 October. The average bill will rise by £44 to £1,205 a year. (britishgas.co.uk 8 August 2018)
- ScottishPower has announced its domestic standard variable gas and electricity prices are to increase from 8 October 2018. Standard dual fuel prices will increase by an average of 3.7%.

(scottishpower.co.uk 24 August 2018)

FURNITURE, HOUSEHOLD EQUIPMENT AND MAINTENANCE

- With the exception of 2016, prices tend to fall in October as a result of mid-season sales.

Monthly % change for CPIH furniture, household equipment and maintenance index			
Year	August	September	October
2012	0.8	0.5	-0.6
2013	1.7	0.1	-0.4
2014	1.0	0.6	-1.1
2015	1.7	0.7	-1.0
2016	1.4	0.4	0.5
2017	1.8	0.2	-0.4
2018	1.2	-	

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

TRANSPORT

Fuels and Lubricants

- OPEC sees the oil market as well supplied and is wary of creating a glut next year, the group's secretary-general said on Thursday, suggesting producers are in no rush to expand a June agreement that raises output. Oil prices have rallied this year on expectations that U.S. sanctions on Iran will strain supplies by lowering shipments from OPEC's third-largest oil producer. Brent crude LCOc1 last week reached \$86.74, the highest since 2014. (uk.reuters.com 12 October 2018)
- When considering the price of petrol between September and October 2018, it may be useful to note that the average price of petrol fell by 0.9 pence per litre between September and October 2017, to stand at 117.3 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 fall in October.

Monthly % change for CPIH air fares index			
Year	August	September	October
2012	10.2	-25.2	-3.5
2013	9.4	-18.8	-11.2
2014	11.3	-21.7	-6.0
2015	13.9	-20.4	-12.7
2016	14.4	-24.2	-7.4
2017	10.9	-26.7	-4.8
2018	13.5	-27.3	

- 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 remained unchanged at 0.75% on Thursday 13 September 2018. The next announcement and minutes from the Bank of England's Monetary Policy Committee are scheduled to be published on 1 November 2018.
- The change in average mortgage interest rates recorded in the RPI was -0.02 percentage points between September and October 2017. The Bank of England Bank Rate remained unchanged at 0.25% in September 2017.
- A one percentage point change in the average mortgage interest rate contributes approximately 1.0 percentage points to the 1-month percentage change in the RPI.

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