

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

Consumer Prices Index (CPI)

The CPI 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 2016 are:

- The all items CPI is 101.4, up from 101.2 in October.
- The all items CPI annual rate is 1.2%, up from 0.9% in October.
- The annual rate for CPI excluding indirect taxes, CPIY, is 1.1%, up from 0.8% last month.
- The annual rate for CPI at constant tax rates, CPI-CT, is 1.1%, up from 0.8% last month.
- The CPI all goods index is 100.1, up from 99.5 in October.
- The CPI all goods index annual rate is 0.2%, up from -0.4% last month.
- The CPI all services index is 102.9, down from 103.1 in October.
- The CPI all services index annual rate is 2.2%, down from 2.4% last month.

CPIH

On 10 November 2016, the National Statistician published a [statement](#), confirming the intention that CPIH should become our preferred measure of inflation from March 2017. The [Consumer Price Inflation Quality and Methodology Information page](#) is a good starting point for understanding CPIH and how it relates to other measures of inflation.

CPIH has been re-assessed to evaluate the extent to which it meets the professional standards set out in the Code of Practice for Official Statistics and the [assessment report](#) published on 3 March 2016. The report includes a number of requirements that need to be implemented for CPIH to regain its status as a National Statistic. The actions taken to address these requirements were reported to the UK Statistics Authority at the end of September 2016, and a range of articles were published on 28 October 2016.

CPIH is a measure of UK consumer price inflation that includes owner occupiers' housing costs (OOH). These are the costs of housing services associated with owning, maintaining and living in one's own home. OOH does not include costs such as utility bills, minor repairs and maintenance, which are already included in the index. The [CPIH compendium](#) provides further information,

including the rationale for the choice of methodology for measuring OOH, which is still extensively debated.

CPIH uses an approach called rental equivalence to measure OOH. Rental equivalence uses the rent paid for an equivalent house as a proxy for the costs faced by an owner occupier. In other words, this answers the question “how much would I have to pay in rent to live in a home like mine?” for an owner occupier. OOH does not seek to capture increases in house prices. Although this may be inconsistent with some users’ expectations of measures of OOH, the inclusion of an asset price and therefore capital gains would make the index less suitable as a measure of consumption. OOH currently accounts for 16.5% of the expenditure weight of CPIH. This compares with a weight of 19.5% in 2005.

Currently, the method of calculation, the population coverage, the basket of goods and services and the method of deriving the weights are the same as for the Consumer Prices Index (CPI), with the exception of OOH. A full description of how CPIH is compiled is given in the [Consumer Price Indices Technical Manual](#) and the [CPIH compendium](#).

The main movements for CPIH in November 2016 are:

- The all items CPIH is 101.7, up from 101.5 in October.
- The all items CPIH annual rate is 1.4%, up from 1.2% in October.
- The annual rate for CPIH excluding indirect taxes, CPIHY, is 1.5%, up from 1.2% last month.
- The OOH component of CPIH is 103.4, up from 103.2 in October.
- The OOH component annual rate is 2.6%, down from 2.7% last month.
- The CPIH all goods index is 100.1, up from 99.5 in October.
- The CPIH all goods index annual rate is 0.2%, up from -0.4% last month.
- The CPIH all services index is 103.0, down from 103.1 in October.
- The CPIH all services index annual rate is 2.3%, down from 2.4% last month.

Retail Prices Index (RPI) and RPIJ

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 long-standing measure of UK inflation that has historically been used for a wide range of purposes such as the indexation of pensions, rents and index-linked gilts. For further information see [Users and uses of consumer price inflation statistics](#).

RPIJ is a variant of the Retail Prices Index which is calculated using formulae that meet international standards. The rationale for creating RPIJ was to give users a better alternative to the RPI if their needs were for a measure of inflation based on the same population, classifications, weights, etc. as the RPI. Currently, RPIJ also acts as an analytical series in that it allows users to see the impact of using the Jevons (which meets international standards) in place of the Carli formula (which does not meet international standards) in the RPI. The use of the different formulae at the elementary aggregate level is currently the only difference between these indices. Detailed goods and services indices are not produced for RPIJ.

The main movements for RPI and RPIJ in November 2016 are:

- The all items RPI is 265.5, up from 264.8 in October.
- The all items RPI annual rate is 2.2%, up from 2.0% last month.
- The all items RPIJ is 242.7, up from 242.1 in October.
- The all items RPIJ annual rate is 1.5%, up from 1.3% last month.
- The annual rate for RPIX, the all items RPI excluding mortgage interest payments (MIPs) index, is 2.5%, up from 2.2% last month.
- The all goods RPI is 201.2, up from 199.8 in October.
- The all goods RPI annual rate is 1.7%, up from 0.9% last month.
- The all services RPI is 362.1, down from 362.4 in October.
- The all services RPI annual rate is 2.4%, down from 2.6% last month.
- The annual rate for RPIY, the all items RPI excluding MIPs and indirect taxes index, is 2.4%, up from 2.1% last month.
- The Tax and Price Index (TPI) for November is 232.7, up from 232.0 in October.
- The TPI annual rate is 2.6%, up from 2.4% last month.

CPI SUMMARY

CONTRIBUTIONS TO CHANGE IN THE CPI ANNUAL RATE

CPI COICOP DIVISIONS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
01: Food and non-alcoholic beverages	110	103	0.1	0.4	0.03
02: Alcoholic beverages and tobacco	43	42	-0.1	-0.5	-0.02
03: Clothing and footwear	70	71	-0.1	1.4	0.12
04: Housing, water, electricity, gas and other fuels	128	120	0.1	-	-0.01
05: Furniture, household equipment and maintenance	59	59	-0.2	0.5	0.04
06: Health	25	28	-0.2	0.1	0.01
07: Transport	149	153	-0.7	-0.4	0.04
08: Communication	31	32	0.6	0.1	-0.01
09: Recreation and culture	147	148	-	0.5	0.07
10: Education	26	25	-	-	-
11: Restaurants and hotels	121	123	0.2	0.2	-
12: Miscellaneous goods and services	91	96	0.3	0.2	-0.01

Large upward effects came from:

- Clothing and footwear**, where the upward effect came mainly from clothing (in particular women's and men's outerwear) for which prices overall increased by 1.6% between October and November this year, compared with a fall of 0.1% between the same 2 months a year ago. This is the largest October to November rise since 2010 and continues the rather volatile movements observed during 2016, especially over the latest 3 months. The rise follows a relatively small increase in prices in October 2016, which resulted in a downward contribution to the change in the rate of a similar magnitude to the upward effect seen in November;

- **Recreation and culture**, where prices overall increased by 0.5% between October and November 2016, compared with a negligible change a year ago. The upward effect came principally from data processing equipment where prices rose this year but fell a year ago, particularly for peripherals. There have been reports from some IT equipment manufacturers over the last few months of prices being affected by changes in the exchange rate with products generally being priced in US dollars;
- **Furniture, household equipment and maintenance**, where prices overall increased by 0.5% between October and November 2016, compared with a fall of 0.2% a year ago. Within this group, the largest contribution to the change in the rate came from prices for furniture and furnishings, particularly leather settees. There was also an upward contribution from non-durable household goods such as household cleaner cream and bleach; and
- **Transport**, where the upward contribution to the change in the rate came from motor fuels, with petrol prices rising by 1.6 pence per litre between October and November this year but falling by 1.5 pence per litre a year ago. Similarly diesel prices rose by 2.0 pence this year but fell by 0.6 pence a year ago. Fuel prices tend to reflect movements in oil prices and part of the increase in oil prices during 2016 to date can be explained by depreciation of sterling against the US dollar. The impact of fuel prices on the change in the 12-month rate is also influenced by what happened in the same period last year, when prices fell (by 1.1%). Within the transport category, the upward effect from motor fuels was partly offset by downward contributions from air and sea fares, which fell by more than a year ago.

A small upward effect came from:

- Food and non-alcoholic beverages, where prices overall increased by 0.4% this year compared with 0.1% a year ago leading to a small upward contribution to the change in the rate. The main upward effects came from: bread and cereal products such as garlic bread and pizza; and milk, cheese and eggs, particularly milk and yoghurt/fromage frais. These were partly offset by a small downward effect from confectionery.

A small downward effect came from:

- Alcohol and tobacco, with the main effect coming from tobacco where prices rose by less than a year ago.

CPI NOTABLE MOVEMENTS

All items CPI	Annual rate +1.2%, up from +0.9% last month Highest since October 2014 (+1.3%)
All items CPI exc energy, food, alcohol and tobacco	Annual rate +1.4%, up from +1.2% last month Highest since September 2016 (+1.5%)
Food and non-alcoholic beverages	Annual rate -2.0%, up from -2.4% last month Highest since May 2015 (-1.8%)
Furniture, household equipment and maintenance	Annual rate +0.8%, up from +0.1% last month Also +0.8% in January 2015 and September 2014 Last higher in July 2014 (+1.1%)
Transport	Annual rate +2.5%, up from +2.3% last month Highest since November 2012 (+2.6%)
All goods	Annual rate +0.2%, up from -0.4% last month Highest since October 2014 (+0.3%)
All services	Annual rate +2.2%, down from +2.4% last month Also +2.2% in October 2015 and June 2015 Last lower in April 2015 (+2.0%)
Fuels and lubricants	Annual rate +7.4%, up from +4.7% last month Highest since December 2011 (+9.4%)

CPI DETAILED BRIEFING

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

01 FOOD AND NON-ALCOHOLIC BEVERAGES	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
01 Food & non-alcoholic beverages	110	103	0.1	0.4	0.03

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

01.1 Food	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
01.1 Food	97	91	0.2	0.5	0.03
01.1.1 Bread and cereals	16	15	-0.2	0.9	0.02
01.1.2 Meat	22	21	-0.2	0.2	0.01
01.1.3 Fish	4	4	-0.3	-0.3	-
01.1.4 Milk, cheese and eggs	14	12	-0.8	0.3	0.02
01.1.5 Oils and fats	2	2	1.5	-1.5	-0.01
01.1.6 Fruit	10	9	2.1	3.3	0.01
01.1.7 Vegetables including potatoes	14	13	0.2	0.3	-
01.1.8 Sugar, jam, syrups, chocolate and confectionery	12	12	0.3	-1.5	-0.02
01.1.9 Food products not elsewhere covered	3	3	1.6	2.3	-

- Small upward effect on the all items 12-month rate change.
- Due to **bread and cereals; milk, cheese and eggs; fruit and meat**.
- Partially offset by **sugar, jam, syrups, chocolate and confectionery** and **oils and fats**.

Bread and cereals

- Small upward effect.
- Prices overall rose this year but fell a year ago, with the main upward contributions coming from dried potted snacks, garlic bread and chilled pizzas.

Meat

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

Milk, cheese and eggs

- Small upward effect.
- Prices overall rose this year but fell a year ago, particularly for yoghurt/fromage frais and shop-bought milk.
- Partially offset by a small downward contribution coming from cheese spread, where prices fell this year but rose a year ago.

Oils and fats

- Small downward effect.
- Prices overall fell this year but rose a year ago, particularly for olive oil.

Fruit

- Small upward effect.
- Prices overall rose this year by more than a year ago, particularly for strawberries.
- Partially offset by a small downward contribution coming from blueberries, where prices 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, particularly for bags of sweets.

01.2 Non-alcoholic beverages	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
01.2 Non-alcoholic beverages	13	12	-0.5	0.1	0.01
01.2.1 Coffee, tea and cocoa	3	3	-0.3	1.6	0.01
01.2.2 Mineral waters, soft drinks and juices	10	9	-0.6	-0.4	-

- Small upward effect on the all items 12-month rate change.
- Due to **coffee, tea and cocoa**, where prices overall rose this year but fell a year ago.

02 ALCOHOLIC BEVERAGES AND TOBACCO	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
02 Alcoholic beverages and tobacco	43	42	-0.1	-0.5	-0.02

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

02.1 Alcoholic Beverages	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
02.1 Alcoholic beverages	19	19	-1.4	-1.4	-
02.1.1 Spirits	5	5	-4.7	-3.1	0.01
02.1.2 Wine	9	9	1.0	-0.4	-0.01
02.1.3 Beer	5	5	-2.3	-1.8	-

- 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, particularly for whisky.
- Offset by a small downward contribution coming from **wine**, where prices overall fell this year but rose a year ago, particularly for New World wine.

02.2 Tobacco	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
02.2 Tobacco	24	23	0.8	0.2	-0.02

- Small downward effect on the all items 12-month rate change.
- Prices overall rose this year by less than a year ago, with the main downward contributions coming from cigarettes and hand rolling tobacco.

03 CLOTHING AND FOOTWEAR	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
03 Clothing and footwear	70	71	-0.1	1.4	0.12

- Largest upward effect on the all items 12-month rate change.
- Due to **clothing**.

03.1 Clothing	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
03.1 Clothing	60	61	-0.1	1.6	0.11
03.1.2 Garments	54	54	-0.1	1.6	0.09
03.1.3 Other clothing and clothing accessories	5	6	-0.6	2.3	0.02
03.1.4 Cleaning, repair and hire of clothing	1	1	0.2	0.3	-

- Large upward effect on the all items 12-month rate change.
- Due to **garments** and, to a lesser extent, **other clothing and clothing accessories**.

Garments

- Large upward effect.
- Prices overall rose this year but fell a year ago, with the main upward contributions coming from men's jackets/coats; women's trousers, jackets/coats, vests/strappy tops, blouses/shirts and swimwear; and boys' T-shirts.
- Partially offset by small downward contributions coming from girls' fashion tops and women's basic T-shirts.

Other clothing and clothing accessories

- Small upward effect.
- Prices overall rose this year but fell a year ago, particularly for ladies' scarves.

03.2 Footwear including repairs	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
03.2 Footwear including repairs	10	10	-	0.4	-

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

04 HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
04 Housing, water, electricity, gas and other fuels	128	120	0.1	-	-0.01

- Small downward effect on the all items 12-month rate change.
- Prices overall were little changed this year but rose a year ago.

04.1 Actual rentals for housing	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
04.1 Actual rentals for housing	72	72	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 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
04.3 Regular maintenance and repair of the dwelling	2	2	1.0	-1.4	-
04.3.1 Materials for maintenance and repair	1	1	1.9	-2.8	-
04.3.2 Services for maintenance and repair	1	1	-	-	-

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

04.4 Other services related to the dwelling	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
04.4 Other services related to the dwelling	12	11	-	-	-
04.4.1 Water supply	6	6	-	-	-
04.4.3 Sewerage collection	6	5	-	-	-

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

04.5 Electricity, gas and other fuels	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
04.5 Electricity, gas and other fuels	42	35	-0.1	-0.1	-
04.5.1 Electricity	20	17	-	-	-
04.5.2 Gas	20	16	-	-	-
04.5.3 Liquid fuels	1	1	-3.4	-4.0	-
04.5.4 Solid fuels	1	1	0.2	0.7	-

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

05 FURNITURE, HOUSEHOLD EQUIPMENT AND MAINTENANCE	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05 Furniture, household equipment and maintenance	59	59	-0.2	0.5	0.04

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

05.1 Furniture, furnishings and carpets	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.1 Furniture, furnishings and carpets	21	20	0.2	1.5	0.03
05.1.1 Furniture and furnishings	15	16	0.3	1.9	0.03
05.1.2 Carpets and other floor coverings	6	4	0.2	0.1	-

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

05.2 Household textiles	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.2 Household textiles	6	7	1.8	1.2	-

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

05.3 Household appliances, fitting and repairs	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.3 Household appliances, fitting and repairs	8	8	-0.1	-1.6	-0.01
05.3.1/2 Major appliances and small electric goods	7	7	-0.1	-1.8	-0.01
05.3.3 Repair of household appliances	1	1	0.1	0.1	-

- 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 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.4 Glassware, tableware and household utensils	6	6	-0.8	0.5	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 cookery utensils.

05.5 Tools and equipment for house and garden	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.5 Tools and equipment for house and garden	5	5	-	0.2	-

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

05.6 Goods and services for routine maintenance	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
05.6 Goods and services for routine maintenance	13	13	-1.6	0.1	0.02
05.6.1 Non-durable household goods	5	5	-4.4	-0.1	0.02
05.6.2 Domestic services and household services	8	8	0.1	0.2	-

- Small upward effect on the all items 12-month rate change.
- Due to **non-durable household goods**, where prices overall fell this year by less than a year ago, with the main upward contributions coming from household cleaner creams/liquids and bleach.

06 HEALTH	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
06 Health	25	28	-0.2	0.1	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **medical products, appliances and equipment**.

06.1 Medical products, appliances and equipment	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
06.1 Medical products, appliances and equipment	12	13	-0.5	0.1	0.01
06.1.1 Pharmaceutical products	7	8	-0.4	0.2	0.01
06.1.2/3 Other medical and therapeutic equipment	5	5	-0.7	-0.2	-

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

06.2 Out-patient services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
06.2 Out-patient services	5	7	0.3	0.1	-
06.2.1/3 Medical and paramedical services	3	4	0.4	0.1	-
06.2.2 Dental services	2	3	0.1	0.1	-

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

06.3 Hospital services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
06.3 Hospital Services	8	8	-	0.1	-

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

07 TRANSPORT	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
07 Transport	149	153	-0.7	-0.4	0.04

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

07.1 Purchase of vehicles	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
07.1 Purchase of vehicles	40	43	0.6	0.4	-0.01
07.1.1A New cars	24	25	-	0.1	-
07.1.1B Second-hand cars	14	16	1.6	0.7	-0.01
07.1.2/3 Motorcycles and bicycles	2	2	0.4	1.0	-

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

07.2 Operation of personal transport equipment	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
07.2 Operation of personal transport equipment	77	73	-0.4	0.9	0.10
07.2.1 Spare parts and accessories	6	5	0.1	0.5	-
07.2.2 Fuels and lubricants	34	32	-1.1	1.5	0.09
07.2.3 Maintenance and repairs	23	22	0.2	0.3	-
07.2.4 Other services	14	14	-	0.3	-

- Large upward effect on the all items 12-month rate change.
- Due to **fuels and lubricants**. The average price of petrol across the month, as recorded for the CPI, rose by 1.6 pence per litre between October and November 2016 to stand at 115.4 pence per litre. Last year, the average price of petrol fell by 1.5 pence per litre between October and November 2015 to stand at 107.2 pence per litre. The average price of diesel rose by 2.0 pence per litre between October and November 2016 to stand at 118.0 pence per litre, compared with a fall of 0.6 pence per litre a year earlier to stand at 110.2 pence per litre.

07.3 Transport services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
07.3 Transport services	32	37	-2.6	-3.6	-0.05
07.3.1 Passenger transport by railway	12	13	-	0.2	-
07.3.2 Passenger transport by road	12	12	0.5	0.7	-
07.3.3 Passenger transport by air	6	8	-13.0	-13.4	-0.03
07.3.4 Passenger transport by sea and inland waterway	2	4	-0.4	-6.0	-0.03

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

Passenger transport by air

- Small downward effect.
- Average air fares fell this year by more than a year ago, with the main downward contributions coming from long-haul and European flights.

Passenger transport by sea and inland waterway

- Small downward effect.
- Average sea fares fell this year by more than a year ago, with the main downward contribution coming from fares for international routes.

08 COMMUNICATION	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
08 Communication	31	32	0.6	0.1	-0.01

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

08.1 Postal services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
08.1 Postal services	2	2	-	-	-

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

08.2/3 Telephone equipment and services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
08.2/3 Telephone equipment and services	29	30	0.6	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, with the main downward contributions coming from mobile telephone applications and bundled telecommunication services.

09 RECREATION AND CULTURE	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09 Recreation and culture	147	148	-	0.5	0.07

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

09.1 Audio-visual equipment and related products	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.1 Audio-visual equipment and related products	23	18	-0.7	0.8	0.03
09.1.1 Equipment for the reception and reproduction of sound and pictures	5	5	-1.0	-1.2	-
09.1.2 Photographic, cinematographic and optical equipment	3	2	-2.1	-2.8	-
09.1.3 Data processing equipment	9	7	-2.6	3.2	0.04
09.1.4 Recording media	5	3	2.9	1.6	-0.01
09.1.5 Repair of audio-visual equipment and related products	1	1	0.3	-	-

- Small upward effect on the all items 12-month rate change.
- Due to **data processing equipment**.
- Partially offset by **recording media**.

Data processing equipment

- Large upward effect.
- Prices overall rose this year but fell a year ago, particularly for PC peripherals.

Recording media

- Small downward effect.
- Prices overall rose this year by less than a year ago, with the main downward contribution coming from shop-bought DVDs.
- Partially offset by a small upward contribution coming from DVDs purchased via the internet, where prices rose this year but fell a year ago.

09.2 Other major durables for recreation and culture	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.2.1/2 Major durables for in/outdoor recreation	10	12	0.1	0.1	-

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

09.3 Other recreational items, gardens and pets	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.3 Other recreational items, gardens and pets	36	35	-0.2	0.4	0.02
09.3.1 Games, toys and hobbies	21	20	-0.1	0.7	0.01
09.3.2 Equipment for sport and open-air recreation	4	3	0.1	-0.1	-
09.3.3 Gardens, plants and flowers	4	4	-0.3	-0.1	-
09.3.4/5 Pets, related products and services	7	8	-0.6	-	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 but fell a year ago, with the main upward contributions coming from computer games, computer game consoles and model road vehicles.
- Partially offset by a small downward contribution coming from children's baby dolls, where prices fell this year but rose a year ago.

Pets, related products and services

- Small upward effect.
- Prices overall were little changed this year but fell a year ago.

09.4 Recreational and cultural services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.4 Recreational and cultural services	31	33	0.3	0.1	-0.01
09.4.1 Recreational and sporting services	8	10	-	0.1	-
09.4.2 Cultural services	23	23	0.4	0.1	-0.01

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

09.5 Books, newspapers and stationery	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.5 Books, newspapers and stationery	14	14	0.5	2.1	0.02
09.5.1 Books	4	4	0.7	4.2	0.01
09.5.2 Newspapers and periodicals	5	5	0.2	1.4	0.01
09.5.3/4 Misc. printed matter, stationery, drawing materials	5	5	0.7	1.1	-

- Small upward effect on the all items 12-month rate change.
- Due to **books** and **newspapers and periodicals**.

Books

- Small upward effect.
- Prices overall rose this year by more than a year ago, with the main upward contribution coming from hardback fiction.

Newspapers and periodicals

- Small upward effect.
- Prices overall rose this year by more than a year ago.

09.6 Package holidays	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
09.6 Package holidays	33	36	-	0.3	0.01

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

10 EDUCATION	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
10 Education	26	25	-	-	-

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

11 RESTAURANTS AND HOTELS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
11 Restaurants and hotels	121	123	0.2	0.2	-

- Negligible overall effect on the all items 12-month rate change.
- There is a small downward contribution coming from **accommodation services**.
- Offset by a small upward contribution coming from **catering services**.

11.1 Catering services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
11.1 Catering services	100	101	0.1	0.3	0.02
11.1.1 Restaurants and cafes	91	93	0.1	0.3	0.02
11.1.2 Canteens	9	8	0.1	0.5	-

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

11.2 Accommodation services	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
11.2 Accommodation services	21	22	0.6	-0.2	-0.02

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

12 MISCELLANEOUS GOODS AND SERVICES	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12 Misc. goods and services	91	96	0.3	0.2	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **insurance**.
- Partially offset by **personal care**.

12.1 Personal care	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.1 Personal care	30	31	-0.9	-0.4	0.01
12.1.1 Hairdressing and personal grooming establishments	7	8	0.1	0.3	-
12.1.2/3 Appliances and products for personal care	23	23	-1.2	-0.6	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **appliances and products for personal care**, where prices overall fell this year by less than a year ago, with the main upward contributions coming from toilet rolls and electric razors. Partially offset by a small downward contribution coming from toothbrushes, where prices overall fell this year but rose a year ago.

12.3 Personal effects not elsewhere covered	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.3 Personal effects not elsewhere covered	14	16	1.7	1.8	-
12.3.1 Jewellery, clocks and watches	9	9	0.1	1.2	0.01
12.3.2 Other personal effects	5	7	4.6	2.6	-0.01

- Negligible overall effect on the all items 12-month rate change.
- There is a small upward contribution coming from **jewellery, clocks and watches**, where prices overall rose this year by more than a year ago.
- Offset by a small downward contribution coming from **other personal effects**, where prices overall rose this year by less than a year ago.

12.4 Social protection	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.4 Social protection	13	16	0.4	0.2	-

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

12.5 Insurance	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.5 Insurance	10	9	2.2	0.3	-0.02
12.5.2 House contents insurance	2	2	1.4	-0.5	-
12.5.3 Health insurance	3	3	0.6	-0.1	-
12.5.4 Transport insurance	5	4	3.5	0.8	-0.02

- Small downward effect on the all items 12-month rate change.
- Due to **transport insurance**, where average premiums for car insurance rose this year by less than a year ago.

12.6 Financial services not elsewhere covered	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.6 Financial services not elsewhere covered	12	12	0.1	-0.1	-

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

12.7 Other services not elsewhere covered	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to CPI annual rate change
12.7 Other services not elsewhere covered	12	12	0.2	0.1	-

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

RPI SUMMARY

CONTRIBUTIONS TO CHANGE IN THE RPI ANNUAL RATE

GROUPS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
FOOD	109	102	0.1	0.4	0.03
CATERING	47	47	0.1	0.4	0.01
ALCOHOLIC DRINKS	56	57	-0.3	-0.3	-
TOBACCO	27	25	0.8	0.2	-0.02
HOUSING	263	266	0.3	-	-0.08
FUEL AND LIGHT	45	41	-0.1	-0.2	-
HOUSEHOLD GOODS	59	62	-0.5	0.7	0.08
HOUSEHOLD SERVICES	65	67	0.6	0.2	-0.03
CLOTHING AND FOOTWEAR	42	41	0.1	1.3	0.06
PERSONAL GOODS AND SERVICES	41	42	0.2	0.3	-
MOTORING EXPENDITURE	115	117	0.6	1.6	0.12
FARES AND OTHER TRAVEL COSTS	25	26	-4.0	-5.0	-0.03
LEISURE GOODS	28	29	-0.5	0.9	0.04
LEISURE SERVICES	78	78	0.1	0.2	-

RPI NOTABLE MOVEMENTS

All items RPI	Annual rate +2.2%, up from +2.0% last month Highest since October 2014 (+2.3%)
All items RPI exc MIPS (RPIX)	Annual rate +2.5%, up from +2.2% last month Also +2.5% in August 2014 Last higher in July 2014 (+2.6%)
All items RPI exc MIPS and indirect taxes (RPIY)	Annual rate +2.4%, up from +2.1% last month Highest since October 2014 (+2.7%)
Food	Annual rate -1.8%, up from -2.1% last month Also -1.8% in November 2015 and May 2015 Last higher in December 2014 (-1.5%)
Seasonal food	Annual rate -0.7%, up from -1.4% last month Highest since May 2015 (-0.6%)
Catering	Annual rate +2.5%, up from +2.3% last month Also +2.5% in March 2014, February 2014, January 2014 and December 2013 Last higher in October 2013 (+2.7%)
Housing	Annual rate +2.5%, down from +2.8% last month Also +2.5% in October 2015 Last lower in September 2015 (+2.4%)
Household goods	Annual rate +2.7%, up from +1.5% last month Highest since June 2014 (+3.0%)
Personal goods and services	Annual rate +1.7%, up from +1.6% last month Also +1.7% in August 2014 Last higher in June 2014 (+1.8%)
Motoring expenditure	Annual rate +4.8%, up from +3.8% last month Highest since December 2011 (+6.8%)
Leisure goods	Annual rate +1.5%, up from +0.1% last month Highest since October 2014 (+1.9%)
All goods	Annual rate +1.7%, up from +0.9% last month Highest since July 2014 (+1.8%)
All services	Annual rate +2.4%, down from +2.6% last month Also +2.4% in May 2016 Last lower in April 2016 (+2.2%)
Petrol and oil	Annual rate +8.5%, up from +3.2% last month Highest since December 2011 (+9.7%)

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.

FOOD	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
FOOD	109	102	0.1	0.4	0.03

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

Seasonal Food	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
SEASONAL FOOD	18	18	0.6	1.3	0.01
Home killed lamb	1	1	-1.2	-3.9	-
Fresh fish	2	2	-0.2	-3.3	-0.01
Eggs	1	1	-0.1	1.2	-
Unprocessed potatoes	2	1	0.4	0.6	-
Other fresh vegetables	6	6	-0.9	0.1	0.01
Fresh fruit	6	7	2.7	4.4	0.02

- Small upward effect on the all items 12-month rate change.
- Due to:
 - Fresh fruit**, where prices overall rose this year by more than a year ago, particularly for strawberries; and
 - Other fresh vegetables**, where prices overall rose this year but fell a year ago.
- Partially offset by a small downward contribution coming from **fresh fish**, where prices overall fell this year by more than a year ago, with the main downward contribution coming from frozen prawns.

Non-Seasonal Food	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
NON-SEASONAL FOOD	91	84	-	0.3	0.02
Bread	4	4	-1.4	1.2	0.01
Cereals	4	4	0.2	0.3	-
Biscuits and cakes	7	6	-0.4	-0.9	-
Beef	4	4	0.5	-0.5	-
Imported lamb	1	1	1.3	-0.2	-
Pork	1	1	-0.2	-0.2	-
Bacon	2	1	-2.1	3.6	0.01
Poultry	4	4	0.4	-0.4	-
Other meat	7	6	0.2	0.4	-
Processed fish	2	2	-2.6	0.4	0.01
Butter	1	1	7.1	1.8	-
Oils and fats	1	1	-1.6	-4.8	-
Cheese	4	3	1.4	-1.7	-0.01
Milk, fresh	3	3	-1.5	0.2	-
Milk products	4	4	-1.1	1.9	0.01
Tea	1	1	-0.2	3.0	-
Soft drinks	10	9	-0.4	-0.5	-
Sugar and preserves	1	1	-2.1	2.5	-
Sweets and chocolates	11	11	0.7	-1.6	-0.02
Potato products	3	2	1.7	-1.4	-0.01
Processed vegetables	2	2	0.8	2.2	-
Processed fruit	2	1	0.3	-	-
Other foods	11	10	0.6	3.2	0.03
Coffee and other hot drinks	1	2	-0.4	0.5	-

- Small upward effect on the all items 12-month rate change.
- Due to:
 - **Bread, bacon, processed fish and milk products**, where prices overall rose this year but fell a year ago, with the main upward contributions coming from bacon, yoghurt/fromage frais, garlic bread and canned tuna; and
 - **Other foods**, where prices overall rose this year by more than a year ago, with the main upward contributions coming from dried potted snacks and chilled pizzas.
- Partially offset by **sweets and chocolates, cheese and potato products**, where prices overall fell this year but rose a year ago, particularly for bags of sweets, cheese spread, premium potato crisps and cartons/boxes of chocolates.

CATERING	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2015	2016	% change	% change	
			Nov 2015	Nov 2016	
CATERING	47	47	0.1	0.4	0.01
Restaurant meals	28	28	0.2	0.3	-
Canteen meals	3	3	0.1	0.5	-
Take-away meals and snacks	16	16	-	0.4	0.01

- Small upward effect on the all items 12-month rate change.
- Due to **take-away meals and snacks**, where prices overall rose this year but were little changed a year ago.

ALCOHOLIC DRINKS	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2015	2016	% change	% change	
			Nov 2015	Nov 2016	
ALCOHOLIC DRINKS	56	57	-0.3	-0.3	-
Beer on sales	19	19	0.1	0.1	-
Beer off sales	5	5	-2.2	-1.3	-
Wines and spirits on sales	18	19	0.2	0.3	-
Wines and spirits off sales	14	14	-0.9	-1.4	-0.01

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

TOBACCO	Weight	Weight	1 month	1 month	Contribution to RPI annual rate change
	2015	2016	% change	% change	
			Nov 2015	Nov 2016	
TOBACCO	27	25	0.8	0.2	-0.02
Cigarettes	23	21	0.7	0.3	-0.01
Other tobacco products	4	4	1.2	-0.4	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to:
 - **Other tobacco products**, where prices overall fell this year but rose a year ago, particularly for hand rolling tobacco; and
 - **Cigarettes**, where prices overall rose this year by less than a year ago.

HOUSING	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
HOUSING	263	266	0.3	-	-0.08
Rent	84	83	0.2	0.1	-0.01
Mortgage interest payments	29	28	-	-0.9	-0.02
Council tax and rates	40	40	-	-	-
Water and other charges	14	13	-	-	-
Repairs and maintenance charges	9	9	-	-	-
DIY materials	8	7	1.1	-1.9	-0.02
Dwelling insurance and ground rent	6	6	1.9	1.2	-
House depreciation	73	80	0.6	0.2	-0.03

- Largest 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 rising this year by less than a year ago;
 - **Rent**, where average charges for private rented properties rose this year by less than a year ago;
 - **DIY materials**, where prices overall fell this year but rose a year ago, with the main downward contributions coming from rolls of wallpaper and shower heads; and
 - **Mortgage interest payments**, where average charges fell this year but were little changed a year ago.

FUEL AND LIGHT	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
FUEL AND LIGHT	45	41	-0.1	-0.2	-
Coal and solid fuels	1	1	0.2	0.7	-
Electricity	21	20	-	-	-
Gas	21	18	-	-	-
Oil and other fuels	2	2	-2.8	-3.6	-

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

HOUSEHOLD GOODS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
HOUSEHOLD GOODS	59	62	-0.5	0.7	0.08
Furniture	22	25	0.3	2.0	0.04
Furnishings	9	8	0.7	0.7	-
Electrical appliances	5	7	-2.4	-2.6	-0.01
Other household equipment	4	4	-0.3	-0.1	-
Household consumables	12	11	-1.9	0.6	0.03
Pet care	7	7	-0.9	0.2	0.01

- Large upward effect on the all items 12-month rate change.
- Due to:
 - **Furniture**, where prices overall rose this year by more than a year ago, with the main upward contribution coming from leather settees; and, to a lesser extent
 - **Household consumables** and **pet care**, where prices overall rose this year but fell a year ago, with the main upward contributions coming from household cleaner creams/liquids, bleach and dry dog food.
- Partially offset by **electrical appliances**, where prices overall fell this year by more than a year ago, with the main downward contribution coming from vacuum cleaners. Partially offset by a small upward contribution coming from electric kettles, where prices rose this year but fell a year ago.

HOUSEHOLD SERVICES	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
HOUSEHOLD SERVICES	65	67	0.6	0.2	-0.03
Domestic services	13	14	0.3	0.1	-
Fees and subscriptions	26	27	0.6	0.2	-0.01
Postage	1	1	-	-	-
Telephone charges	25	25	0.8	0.4	-0.01

- Small downward effect on the all items 12-month rate change.
- Due to **fees and subscriptions** and **telephone charges**, where average charges rose this year by less than a year ago, with the main downward contributions coming from house contents insurance and bundled telecommunication services.

CLOTHING AND FOOTWEAR	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
CLOTHING AND FOOTWEAR	42	41	0.1	1.3	0.06
Men's outerwear	8	9	-0.6	1.3	0.02
Women's outerwear	16	15	-	1.9	0.03
Children's outerwear	5	4	1.2	1.9	-
Other clothing	5	5	-0.3	1.0	0.01
Footwear	8	8	0.4	0.4	-

- Large upward effect on the all items 12-month rate change.
- Due to:
 - **Men's outerwear** and **other clothing**, where prices overall rose this year but fell a year ago, particularly for men's jackets/coats; and
 - **Women's outerwear**, where prices overall rose this year but were little changed a year ago, with the main upward contributions coming from women's trousers, jackets/coats, blouses/shirts, vests/strappy tops and dresses. Partially offset by a small downward contribution coming from basic T-shirts.

PERSONAL GOODS AND SERVICES	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
PERSONAL GOODS AND SERVICES	41	42	0.2	0.3	-
Personal articles	10	12	0.8	1.2	0.01
Chemists' goods	17	15	-0.1	-0.4	-
Personal services	14	15	0.1	0.2	-

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

MOTORING EXPENDITURE	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
MOTORING EXPENDITURE	115	117	0.6	1.6	0.12
Purchase of motor vehicles	42	45	0.9	0.4	-0.02
Maintenance of motor vehicles	16	16	0.1	0.4	-
Petrol and oil	35	33	-1.3	3.7	0.18
Vehicle tax and insurance	22	23	3.2	1.3	-0.04

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

- Due to **petrol and oil**, where prices overall rose this year but fell a year ago. The price of petrol, as recorded for the RPI, rose by 4.2 pence per litre between October and November 2016, to stand at 116.5 pence per litre, compared with a fall of 1.9 pence per litre last year to stand at 107.1 pence per litre. Diesel prices rose by 4.5 pence per litre, to stand at 118.9 pence per litre in November 2016, compared with a fall of 0.7 pence per litre last year to stand at 110.1 pence per litre.
- Partially offset by **vehicle tax and insurance** and, to a lesser extent, **purchase of motor vehicles**, where average charges rose this year by less than a year ago, particularly for car insurance and second-hand cars.

FARES AND OTHER TRAVEL COSTS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
FARES AND OTHER TRAVEL COSTS	25	26	-4.0	-5.0	-0.03
Rail fares	7	7	-0.1	0.1	-
Bus and coach fares	3	3	0.7	1.2	-
Other travel costs	15	16	-6.5	-8.0	-0.04

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

LEISURE GOODS	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
LEISURE GOODS	28	29	-0.5	0.9	0.04
Audio-visual equipment	7	7	-2.8	1.4	0.03
CDs and tapes	2	2	2.8	1.9	-
Toys, photographic and sports goods	8	9	-0.5	0.1	-
Books and newspapers	6	6	-	2.2	0.01
Gardening products	5	5	-0.2	-0.3	-

- Large upward effect on the all items 12-month rate change.
- Due to:
 - **Audio-visual equipment**, where prices overall rose this year but fell a year ago, particularly for PC peripherals; and
 - **Books and newspapers**, where prices overall rose this year but were little changed a year ago.

LEISURE SERVICES	Weight 2015	Weight 2016	1 month % change Nov 2015	1 month % change Nov 2016	Contribution to RPI annual rate change
LEISURE SERVICES	78	78	0.1	0.2	-
TV licence and rentals	12	12	-	-	-
Entertainment and other recreation	15	16	0.4	-	-0.01
Foreign holidays	41	40	-	0.3	0.01
UK holidays	10	10	0.4	-0.1	-0.01

- Negligible overall effect on the all items 12-month rate change.
- There is an upward contribution coming from **foreign holidays**, where prices overall rose this year but were little changed a year ago.
- Offset by downward contributions coming from:
 - **UK holidays**, where prices overall fell this year but rose a year ago; and
 - **Entertainment and other recreation**, where prices overall were little changed this year but rose 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.

The difference between the CPI and RPI unrounded annual rates in November 2016 was -1.05 percentage points, narrowing from -1.13 percentage points in October 2016.

The main factors contributing to the narrowing were:

- **Other housing components excluded from the CPI**, which decreased the RPI 12-month rate relative to the CPI 12-month rate by 0.03 percentage points between October and November 2016. The effect came mainly from house depreciation.
- **Mortgage interest payments**, which decreased the RPI 12-month rate by 0.02 percentage points between October and November 2016 but are excluded from the CPI.
- **Other differences including weights**, which decreased the RPI 12-month rate relative to the CPI 12-month rate by 0.02 percentage points between October and November 2016. The effect came mainly from clothing and footwear, and insurance. This was partially offset by fuels and lubricants, furniture and furnishings, carpets and household textiles, and sea fares.

There were no significant offsetting factors.

RPI MISCELLANEOUS DATA

Selected Average Prices

Description		September 2016	October 2016	November 2016
Petrol per litre	Diesel	£1.13	£1.14	£1.19
	Petrol	£1.11	£1.12	£1.17
Alcohol pub prices	Draught bitter (pint)	£3.01	£3.01	£3.01
	Draught lager (pint)	£3.50	£3.51	£3.51
	Whisky (per nip)	£2.70	£2.72	£2.73
Cigarettes	Per 20 king size	£9.43	£9.43	£9.47

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 2015	+0.1	Down -0.01% points	-0.01% points
December 2015	+0.3	Down -0.02% points	-0.02% points
January 2016	-0.7	Down -0.01% points	-0.01% points
February 2016	+0.5	Down -0.01% points	-0.01% points
March 2016	+0.4	Down -0.01% points	-0.01% points
April 2016	+0.1	Down -0.02% points	-0.02% points
May 2016	+0.3	Down -0.01% points	-0.01% points
June 2016	+0.4	Down -0.02% points	-0.02% points
July 2016	+0.1	Down -0.01% points	-0.01% points
August 2016	+0.4	Down -0.12% points	-0.11% points
September 2016	+0.2	Up +0.06% points	+0.05% points
October 2016	0.0	Down -0.09% points	-0.08% points
November 2016	+0.3	Down -0.03% points	-0.03% 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 CPI and RPI in the next few months.

FOOD

Seasonal Food

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

Monthly % change for CPI seasonal food index			
Year	October	November	December
2010	0.4	3.0	2.8
2011	-1.6	1.8	3.3
2012	0.9	2.5	2.9
2013	0.1	-0.1	0.8
2014	1.3	0.6	0.6
2015	0.3	0.8	-0.5
2016	-0.1	1.3	

- 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 CPI clothing and footwear index			
Year	October	November	December
2010	-0.7	2.0	-1.9
2011	0.8	1.2	-2.8
2012	1.2	0.6	-1.5
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	

- 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 CPI furniture, household equipment and maintenance index			
Year	October	November	December
2010	-1.0	1.6	1.2
2011	-0.6	1.0	1.0
2012	-0.6	-0.1	1.3
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	

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

TRANSPORT

Fuels and Lubricants

- Oil prices rose to their highest since mid 2015 and U.S. Treasury yields hit a more than two-year peak after the world's top crude producers agreed to cut output. Coming at a time when the United States is expected to raise interest rates for only the second time since the global financial crisis, the agreement between Organisation of Petroleum Exporting Countries and key non-OPEC states set the markets alive. Brent oil futures soared more than 5 percent to top \$57 a barrel for the first time since July 2015 and U.S. crude leapt above \$54 a barrel to send global inflation gauges spiking as well. (uk.reuters.com 12 December 2016)
- When considering the price of petrol between November and December 2016, it may be useful to note that the average price of petrol fell by 3.4 pence per litre between November and December 2015, standing at 103.8 pence per litre as measured in the CPI.
- A 1 pence change on average in the cost of a litre of motor fuel contributes approximately 0.03 percentage points to the 1-month change in the CPI.

Passenger Transport by Air

- Air fares tend to rise in December.

Monthly % change for CPI air fares index			
Year	October	November	December
2010	2.7	-6.4	41.8
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	

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

HOUSING (RPI)

Mortgage interest payments (MIPs)

- The Bank of England Bank Rate remained unchanged at 0.25% on Thursday 3 November 2016. The next announcement and minutes from the Bank of England's Monetary Policy Committee are scheduled to be published on 15 December 2016.
- The change in average mortgage interest rates recorded in the RPI was -0.02% between November and December 2015. The Bank of England Bank Rate remained unchanged at 0.5% in November 2015.
- 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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