



CSO statistical release, 09 November 2017, 11am

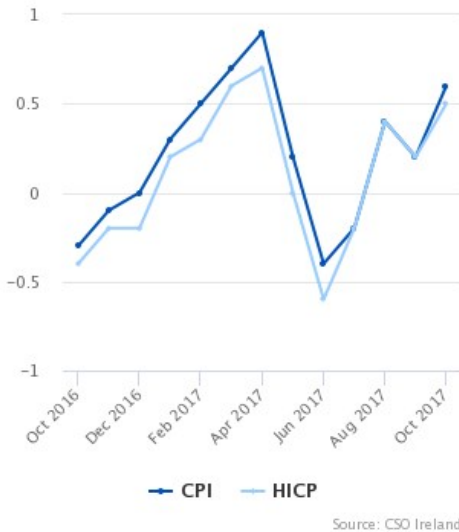
Consumer Price Index

October 2017

	CPI and HICP			
	CPI		HICP	
	% monthly change	% annual change	% monthly change	% annual change
Jun 2017	0.1	-0.4	0.1	-0.6
Jul 2017	0.0	-0.2	0.1	-0.2
Aug 2017	0.4	0.4	0.4	0.4
Sep 2017	-0.6	0.2	-0.6	0.2
Oct 2017	-0.1	0.6	-0.1	0.5

Prices rise by 0.6% in the year to October 2017

Figure 1: CPI/HICP - ALL ITEMS Annual Percentage Change



Prices on average, as measured by the CPI, were 0.6% higher in October compared with October 2016.

The most notable changes in the year were increases in *Housing, Water, Electricity, Gas & Other Fuels* (+3.1%), *Restaurants & Hotels* (+2.7%), *Education* (+1.8%) and *Alcoholic Beverages & Tobacco* (+1.2%). There were decreases in *Clothing & Footwear* (-4.7%), *Furnishings, Household Equipment & Routine Household Maintenance* (-3.6%), *Food & Non-Alcoholic Beverages* (-1.2%) and *Recreation & Culture* (-1.2%).

Consumer Prices in October, as measured by the CPI, decreased by 0.1% in the month. During October of last year, prices fell by 0.5% in the month. The most significant monthly price changes were decreases in *Transport* (-1.2%) and *Clothing & Footwear* (-1.2%). There were increases in *Education* (+1.4%) and *Alcoholic Beverages & Tobacco* (+1.0%).

Contributions to the overall CPI – annual change

Table 17 shows the contribution of each 2-digit COICOP¹ division to the overall change in the CPI. A detailed breakdown of the individual

components of each of the 12 COICOP divisions is presented in Tables 4 to 15.

The divisions which caused the largest upward contribution to the CPI in the year were *Restaurants & Hotels* (+0.47%), *Housing, Water, Electricity, Gas & Other Fuels* (+0.45%) and *Transport* (+0.08%).

The divisions which caused the largest downward contribution to the CPI in the year were *Clothing & Footwear* (-0.22%), *Furnishings, Household Equipment & Routine Household Maintenance* (-0.18%) and *Food & Non-Alcoholic Beverages* (-0.14%).

The main factors contributing to the annual change were as follows:

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- *Restaurants & Hotels* increased primarily due to higher prices for alcoholic drinks and food consumed in licensed premises, restaurants, cafes etc. and an increase in the cost of hotel accommodation.
- *Housing, Water, Electricity, Gas & Other Fuels* rose mainly due to higher rents and an increase in the price of electricity and home heating oil.
- *Transport* increased primarily due to higher petrol and diesel prices and an increase in air fares which was partially offset by a reduction in the price of motor cars.
- *Clothing & Footwear* decreased due to sales.
- *Furnishings, Household Equipment & Routine Household Maintenance* fell primarily due to the reduced cost of furniture & furnishings, non-durable household goods and glassware, tableware & household utensils.
- *Food & Non-Alcoholic Beverages* decreased due to lower prices across a range of products such as bread & cereals, chocolate & confectionery, fish and mineral waters, soft drinks, fruit & vegetable juices.

Contributions to the overall CPI – monthly change

The divisions which caused the largest downward contribution to the CPI in the month were *Transport* (-0.17%) and *Restaurants & Hotels* (-0.13%). The divisions which caused the largest upward contribution in the month were *Housing, Water, Electricity, Gas & Other Fuels* (+0.11%) and *Alcoholic Beverages & Tobacco* (+0.05%).

The main factors contributing to the monthly change were as follows:

- *Transport* decreased primarily due to a fall in air fares and a decrease in the cost of hiring personal transport equipment.
- *Restaurants & Hotels* fell mainly due to lower prices for hotel accommodation.
- *Housing, Water, Electricity, Gas & Other Fuels* rose mainly due to an increase in the price of electricity, higher rents and a rise in the cost of home heating oil.
- *Alcoholic Beverages & Tobacco* increased mainly due to higher prices for tobacco products.

CPI sub-indices

The sub index for Services rose by 2.4% in the year to October, while Goods decreased by 1.9%. Services, excluding mortgage interest repayments, increased by 2.6% in the year since October 2016.

The CPI excluding tobacco decreased by 0.2% in the month of October and rose by 0.4% in the year. The CPI excluding mortgage interest decreased by 0.1% in the month and rose by 0.6% in the year.

Harmonised Index of Consumer Prices

Prices on average, as measured by the EU Harmonised Index of Consumer Prices (HICP), increased by 0.5% compared with October 2016.

The most notable changes in the year were increases in *Housing, Water, Electricity, Gas & Other Fuels* (+3.9%), *Restaurants & Hotels* (+2.6%) and *Education* (+1.7%). There were decreases in *Clothing & Footwear* (-4.7%), *Furnishings, Household Equipment & Routine Household Maintenance* (-3.6%) and *Miscellaneous Goods & Services* (-1.9%).

The HICP decreased by 0.1% in the month. This compares to a decrease of 0.4% recorded in October of last year.

The most significant monthly price changes were decreases in *Clothing & Footwear* (-1.2%) and *Transport* (-1.1%). There were increases in *Education* (+1.3%) and *Alcoholic Beverages & Tobacco* (+1.0%).

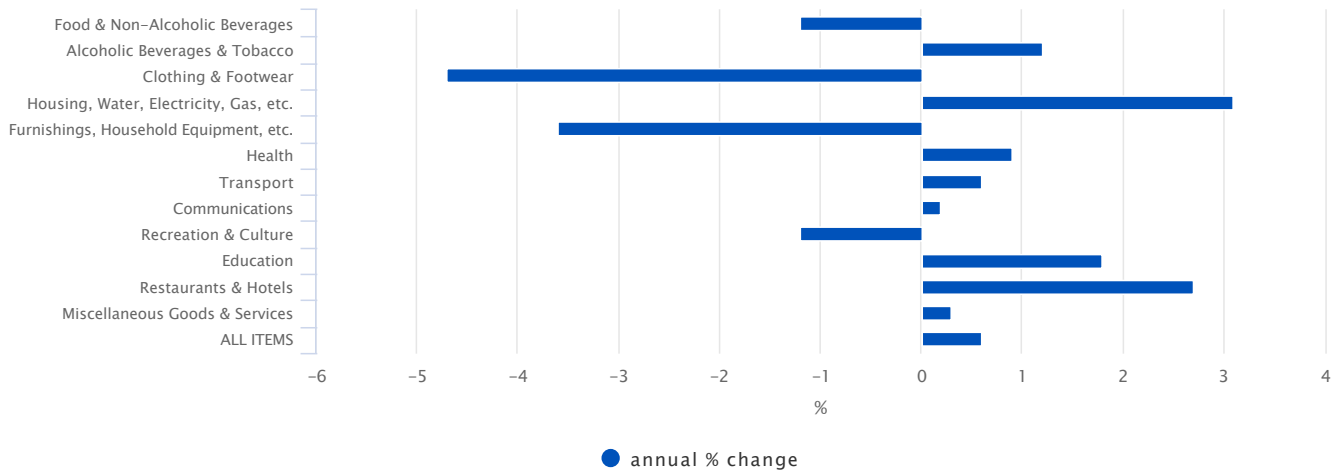
¹ *Classification of Individual Consumption by Purpose Adapted to the Needs of Harmonised Indices of Consumer Prices (2000).*

² *See background notes for more detail.*

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Figure 2: Comparison of CPI COICOP Divisions to the overall CPI annual percentage change – October 2017



Source: CSO Ireland

Table 1 Consumer Price Index (All Items)

Period	Consumer Price Index (CPI)		Percentage changes			
	Dec. 2016=100	Dec. 2011=100	1 month	3 months	12 months	
2010	Year	95.8	96.9			-1.0
2011	Year	98.3	99.4			2.6
2012	Year	99.9	101.1			1.7
2013	Year	100.4	101.6			0.5
2014	Year	100.6	101.8			0.2
2015	Year	100.3	101.5			-0.3
2016	Year	100.3	101.5			0.0
2014	January	99.7	100.9	-0.5	-0.7	0.2
	February	100.2	101.4	0.5	0.0	-0.1
	March	100.9	102.1	0.7	0.7	0.2
	April	101.0	102.2	0.1	1.3	0.3
	May	100.9	102.2	0.0	0.8	0.4
	June	101.1	102.3	0.1	0.2	0.4
	July	100.9	102.1	-0.2	-0.1	0.3
	August	101.1	102.3	0.2	0.1	0.4
	September	100.8	102.1	-0.2	-0.2	0.3
	October	100.6	101.8	-0.3	-0.3	0.2
	November	100.3	101.5	-0.3	-0.8	0.1
	December	99.9	101.1	-0.4	-1.0	-0.3
2015	January	99.1	100.3	-0.8	-1.5	-0.6
	February	99.7	100.9	0.6	-0.6	-0.5
	March	100.3	101.5	0.6	0.4	-0.6
	April	100.3	101.5	0.0	1.2	-0.7
	May	100.7	101.9	0.4	1.0	-0.3
	June	100.9	102.2	0.3	0.7	-0.1
	July	100.7	101.9	-0.3	0.4	-0.2
	August	101.1	102.3	0.4	0.4	0.0
	September	100.6	101.8	-0.5	-0.4	-0.3
	October	100.4	101.6	-0.2	-0.3	-0.2
	November	100.1	101.3	-0.3	-1.0	-0.2
	December	100.0	101.2	-0.1	-0.6	0.1
2016	January	99.2	100.4	-0.8	-1.2	0.1
	February	99.6	100.8	0.4	-0.5	-0.1
	March	100.0	101.2	0.4	0.0	-0.3
	April	100.2	101.4	0.2	1.0	-0.1
	May	100.7	101.9	0.5	1.1	0.0
	June	101.4	102.6	0.7	1.4	0.4
	July	101.2	102.4	-0.2	1.0	0.5
	August	101.0	102.2	-0.2	0.3	-0.1
	September	100.6	101.8	-0.4	-0.8	0.0
	October	100.1	101.3	-0.5	-1.1	-0.3
	November	100.0	101.2	-0.1	-1.0	-0.1
	December	100.0	101.2	0.0	-0.6	0.0
2017	January	99.5	100.7	-0.5	-0.6	0.3
	February	100.1	101.3	0.6	0.1	0.5
	March	100.7	101.9	0.6	0.7	0.7
	April	101.1	102.3	0.4	1.6	0.9
	May	100.9	102.1	-0.2	0.8	0.2
	June	101.0	102.2	0.1	0.3	-0.4
	July	101.0	102.2	0.0	-0.1	-0.2
	August	101.4	102.7	0.4	0.5	0.4
	September	100.8	102.0	-0.6	-0.2	0.2
	October	100.7	101.9	-0.1	-0.3	0.6

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Table 2 Consumer Price Index Subindices - October 2017

Subindices	Weights 2017	Consumer Price Index (CPI)		Percentage changes		
		Dec. 2016=100	Dec. 2011=100	1 month	3 months	12 months
CPI excluding Tobacco	97.229	100.6	101.1	-0.2	-0.4	0.4
CPI excluding Housing	89.109	100.3	101.8	-0.2	-0.6	0.2
CPI excluding Mortgage Interest	97.146	100.7	104.3	-0.1	-0.3	0.6
CPI excluding Mortgage Interest and Local Property Tax	96.650	100.7	104.0	-0.1	-0.3	0.6
CPI excluding Energy Products	92.026	100.6	102.7	-0.2	-0.6	0.3
CPI excluding Energy and Unprocessed Food	86.658	100.7	103.2	-0.2	-0.6	0.4

Notes: CPI excluding Housing excludes rents, mortgage interest, maintenance & repair of the dwelling, refuse collection, sewage collection and insurance connected with the dwelling.

CPI excluding Energy Products excludes fuels & lubricants for personal transport equipment and electricity, gas & other fuels.

CPI excluding Energy and Unprocessed Food excludes fuels & lubricants for personal transport equipment, electricity, gas & other fuels, meat, vegetables, fruit and fish.

Table 3 Consumer Price COICOP Division Indices - October 2017

COICOP Division	Weights 2017	Consumer Price Index (CPI)		Percentage changes		
		Dec. 2016=100	Dec. 2011=100	1 month	3 months	12 months
01 Food and Non-Alcoholic Beverages	11.136	99.6	93.7	0.4	0.0	-1.2
02 Alcoholic Beverages and Tobacco	5.459	102.3	116.8	1.0	0.4	1.2
03 Clothing and Footwear	4.894	96.0	82.4	-1.2	8.1	-4.7
04 Housing, Water, Electricity, Gas and Other Fuels	14.378	102.8	103.0	0.8	1.8	3.1
05 Furnishings, Household Equipment and Routine Household Maintenance	4.955	96.8	82.4	-0.3	0.0	-3.6
06 Health	2.869	100.9	103.6	-0.1	-0.5	0.9
07 Transport	13.998	100.0	95.4	-1.2	-4.6	0.6
08 Communications	3.156	100.4	91.8	0.5	-1.7	0.2
09 Recreation and Culture	7.089	99.0	95.0	-0.1	-0.6	-1.2
10 Education	2.043	101.5	123.2	1.4	1.4	1.8
11 Restaurants and Hotels	17.479	103.4	113.0	-0.8	-1.1	2.7
12 Miscellaneous Goods and Services	12.542	99.5	115.5	0.0	-0.3	0.3
ALL ITEMS	100.000	100.7	101.9	-0.1	-0.3	0.6
Of which:						
Goods	43.303	98.7	89.5	0.1	1.0	-1.9
Services	56.697	102.2	112.2	-0.3	-1.4	2.4
Energy Products	7.974	101.1	93.7	1.0	2.6	2.7
Utilities and Local Charges	3.071	101.6	113.1	1.6	1.6	1.6
Alcohol	9.396	102.1	110.6	0.1	-0.1	1.3
Tobacco	2.771	103.6	133.1	2.1	2.1	6.0
Mortgage Interest	2.854	100.1	62.7	0.2	0.2	-0.2
Services excluding Mortgage Interest	53.843	102.3	118.1	-0.3	-1.4	2.6

Notes: See Background Notes for definition of COICOP divisions, goods, services and utilities and local charges.

Restaurants and Hotels (COICOP 11) includes alcoholic beverages consumed on licensed premises.

Alcohol constitutes part of COICOP 02 (off-licence sales) and part of COICOP 11 (alcohol consumed on licensed premises) giving a combined index for alcohol.

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Table 4 COICOP Division 01 Food and Non-Alcoholic Beverages - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
01.1 Food	10.0067	99.4	0.4	-1.1
01.1.1 Bread & Cereals	1.7744	98.4	0.5	-2.5
Rice	0.0743	98.2	2.1	-3.5
Flours & other cereals	0.0378	96.2	-1.1	-1.4
Bread	0.5637	98.7	-0.7	-1.3
Other bakery products	0.6029	98.2	1.2	-1.7
Pizza & quiche	0.1125	101.3	2.0	-8.5
Pasta products & couscous	0.0868	100.1	2.6	-1.5
Breakfast cereals	0.2000	96.6	-1.8	-4.1
Other cereal products	0.0963	97.9	5.3	-5.1
01.1.2 Meat	2.5258	100.1	0.1	-0.5
Beef & veal	0.4042	104.1	-2.2	-1.0
Pork	0.1440	104.9	4.6	-2.4
Lamb & goat	0.1235	91.5	-2.5	-0.8
Poultry	0.6023	98.8	0.1	0.1
Edible offal	0.0047	99.7	0.1	-0.3
Dried, salted or smoked meat	0.4541	100.7	1.4	0.0
Other meat preparations	0.7932	99.2	0.0	0.5
01.1.3 Fish	0.3828	93.2	-2.6	-7.4
Fresh or chilled fish	0.1879	87.8	-4.9	-12.0
Frozen fish	0.0238	91.2	-2.0	-11.8
Fresh or chilled seafood	0.0213	99.0	-0.2	-1.3
Dried, smoked or salted fish & seafood	0.0361	101.3	-0.3	0.4
Other preserved or processed fish & seafood-based preparations	0.1136	98.9	-0.5	-2.0
01.1.4 Milk, cheese & eggs	1.3398	98.9	0.3	0.1
Fresh whole milk	0.2942	100.1	0.0	0.1
Fresh low fat milk	0.1738	100.7	0.1	0.3
Yoghurt	0.2769	99.0	0.2	-0.7
Cheese & curd	0.3010	96.2	0.7	-0.9
Other milk products	0.1220	99.6	0.9	2.2
Eggs	0.1718	98.9	-0.2	1.5
01.1.5 Oils & fats	0.2798	105.8	1.1	6.7
Butter	0.1411	111.6	0.5	11.8
Margarine & other vegetable fats	0.0646	99.0	2.6	2.6
Olive oil	0.0279	98.2	-1.2	-2.3
Other edible oils	0.0463	102.2	2.1	0.0
01.1.6 Fruit	0.8570	100.8	0.6	1.1
Fresh or chilled fruit	0.7006	101.2	1.0	2.1
Dried fruit & nuts	0.1371	98.9	-1.2	-4.5
Preserved fruit & fruit-based products	0.0193	96.4	-3.6	-3.3
01.1.7 Vegetables	1.6030	99.1	0.8	-1.4
Fresh or chilled vegetables other than potatoes & other tubers	0.6875	100.3	1.9	-0.1
Frozen vegetables other than potatoes & other tubers	0.0422	96.8	-1.5	-3.2
Dried vegetables, other preserved or processed vegetables	0.3069	98.3	0.5	-2.2
Potatoes	0.3566	96.9	-2.1	-4.4
Crisps	0.1916	101.3	4.2	1.7
01.1.8 Sugar, jam, honey, chocolate & confectionery	0.8779	100.0	0.4	-2.9
Sugar	0.0385	101.3	0.0	2.8
Jams, marmalades & honey	0.0898	99.9	-0.3	0.3
Chocolate	0.4200	103.7	2.2	-3.2
Confectionery products	0.1652	94.2	-1.9	-7.0
Edible ices & ice cream	0.1397	95.8	-1.8	-4.6
Artificial sugar substitutes	0.0247	99.2	1.4	1.3
01.1.9 Food products n.e.c.	0.3662	98.4	1.3	-1.4
Sauces & condiments	0.1631	98.3	4.7	0.2
Salt, spices & culinary herbs	0.0342	100.9	0.1	1.0
Baby food	0.0243	98.5	0.1	-2.4
Ready-made meals	0.0666	98.3	-4.0	-2.4
Other food products n.e.c.	0.0779	97.5	0.3	-2.3
01.2 Non-alcoholic beverages	1.1297	101.2	0.7	-2.0
01.2.1 Coffee, tea & cocoa	0.2061	101.7	2.1	2.0
Coffee	0.1071	105.3	0.4	1.6
Tea	0.0901	98.0	5.0	1.1
Cocoa & powdered chocolate	0.0089	96.8	-1.3	-4.3
01.2.2 Mineral waters, soft drinks, fruit & vegetable juices	0.9236	101.1	0.4	-2.8
Mineral or spring waters	0.2213	100.7	2.2	-0.9
Soft drinks	0.3716	104.8	-0.5	-1.4
Fruit & vegetable juices	0.3308	97.2	0.1	-3.3
Total	11.1364	99.6	0.4	-1.2

Table 5 COICOP Division 02 Alcoholic Beverages and Tobacco - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
02.1 Alcoholic Beverages	2.6881	100.9	-0.2	-3.4
02.1.1 Spirits	0.3746	109.9	-4.4	-1.4
02.1.2 Wine	1.3618	96.0	1.3	-7.4
02.1.3 Beer	0.9518	104.5	0.0	1.9
02.2 Tobacco	2.7714	103.6	2.1	6.0
Cigarettes	2.4441	103.7	2.2	6.1
Other tobacco products	0.3273	103.4	1.4	6.5
Total	5.4595	102.3	1.0	1.2

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Table 6 COICOP Division 03 Clothing and Footwear - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
03.1 Clothing	3.9897	96.1	-1.2	-4.4
03.1.2 Garments	3.7496	96.0	-1.2	-4.6
03.1.3 Other articles of clothing & clothing accessories	0.1580	94.9	-2.2	-3.9
03.1.4 Cleaning, repair & hire of clothing	0.0821	101.0	0.1	1.4
Dry cleaning & laundry	0.0738	100.9	0.0	1.3
Dress hire & repair of clothing	0.0084	101.3	0.8	1.6
03.2 Footwear	0.9040	95.9	-0.6	-5.6
03.2.1 Shoes & other footwear	0.8954	95.8	-0.7	-5.7
03.2.2 Repair & hire of footwear	0.0085	101.1	0.0	0.7
Total	4.8937	96.0	-1.2	-4.7

Table 7 COICOP Division 04 Housing, Water, Electricity, Gas and Other Fuels - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
04.1/04.2 Actual rentals for housing & mortgage interest	9.3012	103.8	0.4	3.9
04.1.1 Actual rentals paid by tenants (Rents)	6.4471	105.4	0.5	5.7
Private Rents	5.5744	105.3	0.5	5.6
Local Authority Rents	0.8727	105.9	0.0	6.5
04.2.1 Mortgage Interest	2.8541	100.1	0.2	-0.2
04.3 Maintenance & repair of the dwelling	0.7860	101.5	0.3	1.3
04.3.1 Materials for the maintenance & repair of the dwelling	0.2483	99.4	1.0	-1.3
04.3.2 Services for the maintenance & repair of the dwelling	0.5377	102.5	0.0	2.6
04.4 Water supply & miscellaneous services relating to the dwelling	0.3120	101.2	0.1	1.2
04.5 Electricity, gas & other fuels	3.9792	100.9	1.8	1.9
04.5.1 Electricity	2.0284	102.4	2.4	2.4
04.5.2 Gas	0.6397	100.1	0.0	0.1
Natural gas	0.5966	99.9	0.0	-0.1
Bottled gas	0.0432	103.3	0.4	3.3
04.5.3 Liquid fuels (Home Heating Oil)	0.7385	98.1	2.9	3.7
04.5.4 Solid fuels	0.5726	100.0	0.0	0.1
Total	14.3783	102.8	0.8	3.1

Table 8 COICOP Division 05 Furnishings, Household Equipment and Routine Household Maintenance - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
05.1 Furniture & furnishings, carpets & other floor coverings	1.3219	94.1	0.2	-5.0
05.1.1 Furniture & furnishings	1.3176	94.1	0.2	-4.9
05.1.2 Carpets & other floor coverings	0.0043	100.5	0.2	0.1
05.2 Household textiles	0.4059	89.1	-3.0	-9.5
05.3 Household appliances	0.5126	96.7	0.1	-3.5
05.3.1 Major household appliances whether electric or not	0.4316	96.9	0.3	-3.3
05.3.2 Small electric household appliances	0.0525	93.1	-1.2	-7.1
05.3.3 Repair of household appliances	0.0284	100.4	0.0	0.4
05.4 Glassware, tableware & household utensils	0.5613	92.4	-2.0	-7.6
05.5 Tools & equipment for house & garden	0.2346	97.1	-0.2	-3.1
05.5.1 Major tools & equipment	0.1333	96.7	-0.6	-2.9
05.5.2 Small tools & miscellaneous accessories	0.1013	97.6	0.4	-3.4
05.6 Goods & services for routine household maintenance	1.9189	101.6	0.2	-0.1
05.6.1 Non-durable household goods	1.0546	96.1	0.3	-5.3
05.6.2 Domestic services & household services	0.8643	108.2	0.0	6.1
Total	4.9552	96.8	-0.3	-3.6

Table 9 COICOP Division 06 Health - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
06.1 Medical products, appliances & equipment	0.9882	98.9	-0.4	-1.1
06.1.1 Pharmaceutical products	0.8064	98.3	-0.6	-1.6
Prescribed drugs	0.5054	97.9	0.0	-2.6
Other medicines	0.3010	98.9	-1.8	-0.8
06.1.2 Other medical products	0.0229	99.4	0.0	-2.5
06.1.3 Therapeutic appliances & equipment	0.1588	101.8	0.3	1.8
06.2 Out-patient services	1.6668	102.1	0.0	2.1
06.2.1/3 Medical & paramedical services	1.1230	102.4	0.0	2.4
Doctors' fees	0.9781	102.7	0.0	2.7
Other medical & paramedical services	0.1449	100.4	0.0	0.4
06.2.2 Dental services	0.5438	101.5	0.0	1.5
06.3 Hospital services	0.2141	100.4	0.1	0.4
Total	2.8691	100.9	-0.1	0.9

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Table 10 COICOP Division 07 Transport - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
07.1 Purchase of vehicles	4.8007	100.0	-0.2	-3.2
07.1.1 Motor cars	4.6973	100.1	-0.2	-3.1
07.1.2 Motor cycles	0.0288	102.6	0.0	2.7
07.1.3 Bicycles	0.0746	96.4	-0.1	-4.3
07.2 Operation of personal transport equipment	6.8216	100.6	-0.3	2.0
07.2.1 Spare parts & accessories for personal transport equipment	0.3864	98.2	0.0	-0.3
07.2.2 Fuels & lubricants for personal transport equipment	3.9946	101.4	0.3	3.8
Petrol	2.0448	102.1	-0.2	4.1
Diesel	1.9440	100.7	0.9	4.0
Motor oil	0.0057	103.6	0.0	3.8
07.2.3 Maintenance & repair of personal transport equipment	0.7073	100.3	0.0	0.4
07.2.4 Other services in respect of personal transport equipment	1.7333	99.5	-1.6	-0.6
Motor tax	0.7370	100.0	0.0	0.0
Other vehicle costs	0.9964	99.2	-2.7	-1.0
07.3 Transport services	2.3755	98.2	-5.7	1.9
07.3.1 Passenger transport by railway	0.2087	100.3	0.0	1.8
07.3.2 Passenger transport by road	0.7705	100.1	0.0	0.3
Bus fares	0.5471	100.1	0.0	0.4
Taxi fares	0.2234	100.0	0.0	0.0
07.3.3 Passenger transport by air	1.2887	97.1	-9.6	4.2
07.3.4 Passenger transport by sea & inland waterway	0.0575	87.4	-13.2	11.1
07.3.5 Combined passenger transport	0.0220	100.5	0.0	2.4
07.3.6 Other purchased transport services	0.0281	101.1	0.0	1.1
Total	13.9978	100.0	-1.2	0.6

Table 11 COICOP Division 08 Communications - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
08.1 Postal services	0.1479	119.5	0.0	19.5
08.2/3.0 Telephone & telefax equipment and telephone & telefax services	3.0083	99.5	0.6	-0.7
Total	3.1562	100.4	0.5	0.2

Table 12 COICOP Division 09 Recreation and Culture - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
09.1 Audio-visual, photographic & information processing equipment	0.6076	90.9	0.8	-10.4
09.1.1 Equipment for the reception, recording & reproduction of sound & pictures	0.2344	90.2	-1.7	-11.8
09.1.2 Photographic & cinematographic equipment & optical instruments	0.0562	97.0	0.6	-4.3
09.1.3 Information processing equipment	0.0880	77.7	-0.4	-24.8
09.1.4 Recording media	0.2047	94.5	4.4	-5.7
09.1.5 Repair of audio-visual, photographic & information processing equipment	0.0244	100.9	0.0	1.8
09.2 Other major durables for recreation & culture	0.0114	99.5	-0.6	-0.4
09.3 Other recreational items & equipment, gardens & pets	1.2277	95.0	-0.4	-6.1
09.3.1 Games, toys & hobbies	0.7491	94.0	-0.7	-7.8
09.3.2 Equipment for sport, camping & open-air recreation	0.0884	92.4	0.0	-7.9
09.3.3 Gardens, plants & flowers	0.1432	95.7	1.1	-4.6
09.3.4/5 Pets & related products including veterinary & other services for pets	0.2470	98.5	-0.2	-1.1
09.4 Recreational & cultural services	2.7211	101.2	0.0	1.8
09.4.1 Recreational & sporting services	0.7767	103.3	0.0	3.5
Sports admittance	0.0510	106.2	0.0	7.2
Sports participation	0.4050	100.6	0.0	0.9
Club & society subscriptions	0.3127	106.4	0.0	6.4
09.4.2 Cultural services	1.9444	100.4	0.1	1.2
Cinema	0.1969	101.7	0.1	1.9
Nightclubs	0.0835	100.1	0.4	0.4
Cultural admittance	0.3136	106.6	0.0	10.6
Television services	1.2811	98.5	0.0	-1.5
Other entertainment	0.0694	102.4	1.4	2.5
09.5 Newspapers, books & stationery	1.3576	100.3	-0.1	-0.4
09.5.1 Books	0.3746	99.4	-1.3	-2.0
09.5.2 Newspapers & periodicals	0.8101	101.3	0.3	0.8
09.5.3/4 Miscellaneous printed matter and stationery & drawing materials	0.1729	97.4	1.0	-3.2
09.6 Package holidays	1.1633	101.1	-0.3	1.1
Total	7.0887	99.0	-0.1	-1.2

Table 13 COICOP Division 10 Education - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
10.1 Pre-primary & primary education	0.1339	100.3	0.3	0.3
10.2 Secondary education	0.2893	101.7	1.7	1.7
10.4 Tertiary education	1.4369	101.7	1.6	1.7
10.5 Education not definable by level	0.1830	100.0	0.0	2.1
Total	2.0431	101.5	1.4	1.8

Table 14 COICOP Division 11 Restaurants and Hotels - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
11.1 Catering services	15.2074	101.8	0.1	2.2
11.1.1 Restaurants, cafes & the like	14.4494	101.9	0.2	2.3
Licenced premises	7.5765	102.6	0.2	3.0
Spirits	0.4859	102.8	0.2	3.4
Wine	1.8567	102.1	0.1	2.4
Beer	4.3655	102.7	0.1	3.0
Soft drinks & mineral water	0.8684	102.5	0.0	2.9
Restaurants, cafes, fast food & take-away food	6.8728	101.1	0.2	1.6
11.1.2 Canteens	0.7580	100.8	0.3	0.8
11.2 Accommodation services	2.2721	114.0	-5.7	5.4
Total	17.4795	103.4	-0.8	2.7

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Table 15 COICOP Division 12 Miscellaneous Goods and Services - October 2017

Description	Weights 2017	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
12.1 Personal care	2.9543	98.2	0.4	-3.4
12.1.1 Hairdressing salons & personal grooming establishments	0.8593	100.5	0.0	0.8
Hairdressing	0.6437	100.9	0.0	1.1
Health & beauty treatments	0.2157	99.4	0.0	-0.3
12.1.2 Electric appliances for personal care	0.1093	97.2	-1.3	-4.7
12.1.3 Other appliances, articles & products for personal care	1.9857	97.2	0.5	-5.3
Hygiene products	0.5028	99.0	0.3	-3.4
Hair products	0.2413	97.1	5.3	-8.7
Cosmetics & skincare products	0.7732	96.9	-0.4	-5.2
Toilet accessories	0.4684	95.7	0.0	-5.7
12.3 Personal effects n.e.c.	0.8029	91.8	-1.4	-9.1
12.3.1 Jewellery, clocks & watches	0.3157	97.1	-1.0	-2.2
12.3.2 Other personal effects	0.4872	88.4	-1.6	-13.5
12.4 Social protection	0.9226	102.0	1.1	2.0
Childcare	0.8111	102.0	1.2	2.0
Other social protection	0.1114	101.9	0.2	2.0
12.5 Insurance	6.1105	100.3	-0.2	2.9
12.5.2 Insurance connected with the dwelling	0.6445	102.3	0.0	2.3
12.5.3 Insurance connected with health	3.6568	104.6	-0.2	7.6
12.5.4 Insurance connected with transport	1.8092	90.7	-0.4	-6.8
Motor insurance	1.7568	90.3	-0.6	-7.2
Motor cycle insurance	0.0116	102.0	0.0	12.2
Motor car insurance	1.7452	90.2	-0.6	-7.3
Travel insurance	0.0524	103.0	0.0	3.0
12.6 Financial services n.e.c.	0.3984	99.5	0.1	-0.2
12.7 Other services n.e.c.	1.3536	101.5	0.0	1.6
Total	12.5424	99.5	0.0	0.3

Table 16 Consumer Price Index Goods and Services by COICOP Division - October 2017

COICOP Division	Weights 2017			Index Dec. 2016=100		Percentage changes		
	Overall	Goods	Services	Goods	Services	12 months		Overall
						Goods	Services	
01 Food and Non Alcoholic Beverages	11.136	11.136	-	99.6	-	-1.2	-	-1.2
02 Alcoholic Beverages and Tobacco	5.459	5.459	-	102.3	-	1.2	-	1.2
03 Clothing and Footwear	4.894	4.803	0.091	95.9	101.0	-4.8	1.3	-4.7
04 Housing, Water, Electricity, Gas and Other Fuels	14.378	1.603	12.776	99.1	103.3	1.7	3.4	3.1
05 Furnishings, Household Equipment and Routine Household Maintenance	4.955	4.046	0.909	94.3	107.8	-5.7	5.8	-3.6
06 Health	2.869	0.988	1.881	98.9	101.9	-1.1	1.9	0.9
07 Transport	13.998	9.182	4.816	100.5	99.0	0.3	0.8	0.6
08 Communications	3.156	0.109	3.048	92.6	100.7	-11.6	0.7	0.2
09 Recreation and Culture	7.089	3.079	4.010	96.3	101.2	-4.7	1.6	-1.2
10 Education	2.043	-	2.043	-	101.5	-	1.8	1.8
11 Restaurants and Hotels	17.479	-	17.479	-	103.4	-	2.7	2.7
12 Miscellaneous Goods & Services	12.542	2.898	9.645	95.7	100.6	-6.4	2.2	0.3
ALL ITEMS	100.000	43.303	56.697	98.7	102.2	-1.9	2.4	0.6

Table 17 Contributions to the change in the All Items CPI - October 2017

COICOP Division	Percentage contributions		
	1 month	3 months	12 months
01 Food and Non-Alcoholic Beverages	0.04	-0.01	-0.14
02 Alcoholic Beverages and Tobacco	0.05	0.02	0.07
03 Clothing and Footwear	-0.06	0.35	-0.22
04 Housing, Water, Electricity, Gas and Other Fuels	0.11	0.26	0.45
05 Furnishings, Household Equipment and Routine Household Maintenance	-0.02	0.00	-0.18
06 Health	0.00	-0.02	0.02
07 Transport	-0.17	-0.67	0.08
08 Communications	0.02	-0.05	0.01
09 Recreation and Culture	0.00	-0.04	-0.09
10 Education	0.03	0.03	0.04
11 Restaurants and Hotels	-0.13	-0.19	0.47
12 Miscellaneous Goods and Services	0.00	-0.04	0.02
All Items % change	-0.1	-0.3	0.6
Goods	0.05	0.44	-0.82
Services	-0.17	-0.79	1.37
Energy Products	0.08	0.21	0.23
Tobacco	0.06	0.06	0.16
Mortgage Interest	0.01	0.01	-0.01

Notes: For the percentage contributions, the sum of the 2-digit COICOP divisions may not equal the All Items % change due to rounding differences.

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Table 18 EU Harmonised Index of Consumer Prices (HICP) - Ireland

Period	HICP 2015=100		Percentage changes			
	Monthly index	Moving 12-month average index	12 months		Moving 12-month average	
			1 month	12 months	1 month	12 months
2014	January	99.1	99.8	-0.6	0.3	0.4
	February	99.7	99.8	0.6	0.1	0.3
	March	100.2	99.8	0.5	0.2	0.3
	April	100.2	99.8	0.0	0.3	0.3
	May	100.2	99.8	0.0	0.4	0.3
	June	100.4	99.9	0.2	0.5	0.3
	July	100.3	99.9	-0.1	0.4	0.2
	August	100.6	100.0	0.3	0.6	0.3
	September	100.4	100.0	-0.2	0.5	0.3
	October	100.1	100.0	-0.3	0.4	0.4
	November	99.8	100.1	-0.3	0.2	0.4
	December	99.4	100.0	-0.4	-0.3	0.3
2015	January	98.7	100.0	-0.7	-0.4	0.2
	February	99.3	100.0	0.6	-0.4	0.2
	March	100.0	100.0	0.7	-0.2	0.2
	April	99.9	99.9	-0.1	-0.3	0.1
	May	100.4	99.9	0.5	0.2	0.1
	June	100.8	100.0	0.4	0.4	0.1
	July	100.5	100.0	-0.3	0.2	0.1
	August	100.8	100.0	0.3	0.2	0.0
	September	100.3	100.0	-0.5	-0.1	0.0
	October	100.0	100.0	-0.3	-0.1	0.0
	November	99.7	100.0	-0.3	-0.1	-0.1
	December	99.6	100.0	-0.1	0.2	0.0
2016	January	98.7	100.0	-0.9	0.0	0.0
	February	99.1	100.0	0.4	-0.2	0.0
	March	99.4	99.9	0.3	-0.6	0.0
	April	99.7	99.9	0.3	-0.2	0.0
	May	100.2	99.9	0.5	-0.2	0.0
	June	100.9	99.9	0.7	0.1	-0.1
	July	100.6	99.9	-0.3	0.1	-0.1
	August	100.4	99.9	-0.2	-0.4	-0.1
	September	100.0	99.9	-0.4	-0.3	-0.1
	October	99.6	99.8	-0.4	-0.4	-0.2
	November	99.5	99.8	-0.1	-0.2	-0.2
	December	99.4	99.8	-0.1	-0.2	-0.2
2017	January	98.9	99.8	-0.5	0.2	-0.2
	February	99.4	99.8	0.5	0.3	-0.2
	March	100.0	99.9	0.6	0.6	-0.1
	April	100.4	99.9	0.4	0.7	0.0
	May	100.2	99.9	-0.2	0.0	0.0
	June	100.3	99.9	0.1	-0.6	0.0
	July	100.4	99.9	0.1	-0.2	0.0
	August	100.8	99.9	0.4	0.4	0.0
	September	100.2	99.9	-0.6	0.2	0.1
	October	100.1	100.0	-0.1	0.5	0.1

Table 19 EU Harmonised Consumer Price COICOP Division Indices - October 2017 Ireland

COICOP Division	HICP		Percentage changes		Percentage contributions	
	Year 2015=100		12 months		12 months	
			1 month	12 months	1 month	12 months
01 Food and Non-Alcoholic Beverages	96.6		0.3	-1.2	0.05	-0.15
02 Alcoholic Beverages and Tobacco	103.1		1.0	1.2	0.06	0.07
03 Clothing and Footwear	93.7		-1.2	-4.7	-0.06	-0.24
04 Housing, Water, Electricity, Gas and Other Fuels	106.2		0.9	3.9	0.11	0.49
05 Furnishings, Household Equipment and Routine Household Maintenance	92.0		-0.3	-3.6	-0.02	-0.19
06 Health	101.6		0.0	0.7	0.00	0.04
07 Transport	96.5		-1.1	0.7	-0.16	0.10
08 Communications	98.1		0.5	0.2	0.02	0.01
09 Recreation and Culture	96.6		0.0	-1.2	0.00	-0.09
10 Education	106.1		1.3	1.7	0.03	0.04
11 Restaurants and Hotels	105.2		-0.8	2.6	-0.14	0.49
12 Miscellaneous Goods and Services	97.9		0.2	-1.9	0.01	-0.14
All Items HICP	100.1		-0.1	0.5	-0.1	0.5

Notes: For the percentage contributions, the sum of the 2-digit COICOP divisions may not equal the All Items HICP due to rounding differences.

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Background Notes

Consumer Price Index

Definition

The Consumer Price Index is designed to measure the change in the average level of prices (inclusive of all indirect taxes) paid for consumer goods and services by all private and institutional households in the country and by foreign tourists holidaying in Ireland.

Consumer Price Index (CPI)

Approximately 51,000 prices are collected for a representative basket consisting of 615 item headings in a fixed panel of retail and service outlets throughout the country during the week containing the second Tuesday of each month up to and including the third Tuesday of each month.

Scope of the Index

- i. Population Coverage: All private and institutional households in the State and the expenditure of foreign tourists within Ireland. It does not include the expenditure of other non-private households. Expenditure which occurs abroad by Irish residents is also excluded. In statistical terms coverage is referred to as the domestic concept.
- ii. Geographic Coverage: Covers the whole of the Republic of Ireland. Pricing takes place in 84 locations (cities and towns) throughout the country. These sampling points are located in Dublin city and county, the four regional cities of Cork, Limerick, Galway and Waterford, approx. 80% of towns with a population of 10,000 and over, approx. 70% of towns between 5,000 and 9,999 and a smaller proportion below this threshold. The results are weighted to represent the distribution of the population and its related consumer expenditure.
- iii. Item Coverage: All goods and services bought by the reference population for the purposes of consumption are included in the index. Expenditure on capital assets and investments, gambling and certain other activities are however excluded. There are 615 item headings and 12 division headings based on the COICOP classification. With each rebase the coverage of goods and services is reviewed to ensure that it continues to be representative of consumer tastes and purchasing practices.

Price Collection

Personal visits are made to retail outlets by some 80 price collectors on a monthly basis. Approximately 48,000 price quotations are gathered in this way. In addition, 137 special inquiries covering items such as utility charges and services are conducted by post, telephone and e-mail in conjunction with internet price collection. Most prices are collected monthly, some quarterly and others annually. The CSO supplies general specifications to price collectors and price collectors are free initially to select a brand and in certain cases, size. This allows for a wide variety of different brands of the same item to be priced throughout the country. Once selected, the same item/brand is priced on a monthly basis in order to ensure matched price quotations. If an item disappears, substitution can occur but that price is excluded until matched prices are available for the same comparable item for two consecutive months. The CSO wishes to put on record its appreciation of the co-operation and assistance it receives from retail outlets and other business concerns.

Classification

The classification used in the CPI is based on a version of the Classification of Individual Consumption by Purpose Adapted to the Needs of Harmonised Indices of Consumer Prices (2000) (COICOP). This replaced the former national classification which was used up to December 2001. The COICOP classification breaks consumer expenditure into twelve different divisions covering a comprehensive range of consumer goods and services.

Annual Update of CPI Weights

Since 2012 the weights of the items in the basket have been updated annually at CPI COICOP class (4-digit) level using information on consumer expenditure from National Accounts Household Final Monetary Consumption Expenditure (HFMCE). Additionally at the 2016 rebase, a more granular level update of the weights (5-digit) was possible using information from the latest Household Budget Survey (HBS) which was carried out between February 2015 and February 2016.

CPI Item Weights

The CPI measures in index form the monthly changes in the cost of purchasing a fixed representative 'basket' of consumer goods and services (i.e. Laspeyres formula). Identical items are priced in the same outlet on each occasion so that changes in the cost of this constant basket reflect only pure price changes. The current basket of goods and services

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consists of 615 representative items which were predominantly selected as part of the December 2016 rebase. The representative share of each item in the basket is proportional to the average amount purchased by all households in the State and foreign tourists in Ireland based primarily on the 2015/2016 Household Budget Survey (HBS) and estimates of expenditure by foreign tourists across a range of consumer goods and services.

Methodological Details

A full methodological description of the new series is available in the [CPI - Introduction of Updated Series \(Base December 2016=100\) \(PDF 1,524KB\)](#) which is published on the CSO website.

Rebase

The index has been rebased with effect from December 2016.

The rebase of the current CPI resulted in a number of methodological changes:

- Updating the expenditure weights;
- A revision of the sample of goods and services;
- Improved methods of price collection

Goods and Services

Goods

Goods are defined as non service items usually purchased and transportable from a retail outlet.

Services

Services include the following: rents, mortgage interest, services for the maintenance & repair of the dwelling, water supply & miscellaneous services relating to the dwelling, electricity, gas, repair of household appliances, tool hire, domestic services & household services, out-patient services, hospital services, maintenance/repair and other services in respect of personal transport equipment, transport services, postal services, telephone services, repair of audio-visual, photographic & information processing equipment, veterinary & other services for pets, recreational & cultural services, package holidays, education, catering services, accommodation services, hairdressing salons & personal grooming establishments, social protection, insurance, financial services n.e.c. and other services n.e.c.

Utilities and Local Charges

Includes electricity, natural gas, refuse collection, sewage collection, water supply and telephone services – landline.

Mortgage Interest and the Local Property Tax in the CPI

Mortgage interest was first included in the CPI at the November 1975 rebase. The use of mortgage interest in the CPI reflects a user-cost approach to measuring owner-occupied housing. This approach has involved measuring changes in average mortgage interest costs over time. The household charge was introduced to the CPI in April 2012 and subsequently became the local property tax in July 2013. The local property tax is included in the basket under the item 'miscellaneous goods and services', which is part of COICOP 12.7.0. The inclusion of the local property tax is consistent with the user-cost approach utilised for owner-occupied housing. In the interest of transparency, an index excluding both mortgage interest and the local property tax is provided in Table 2 of the release to allow for their impact in the CPI to be seen.

Mortgage interest and the local property tax are excluded from the HICP.

Water supply and sewage collection charges

Water supply and sewage collection charges were introduced in Ireland on 1 January 2015. The coverage of the CPI/HICP is defined as those goods and services purchased by households for the purposes of consumption. This definition required the incorporation of the new charges into the CPI/HICP. Water supply and sewage collection charges are a component of group 04.4 *Water supply & miscellaneous services relating to the dwelling* of the COICOP consumption classification. Water supply and sewage collection charges were suspended for a period of nine months from 1st July 2016.

For a full discussion on the rationale and methodology for introducing water supply and sewage collection charges into

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the CPI/HICP, see the relevant CPI Technical Paper [Introduction of Water Supply and Sewage Collection \(PDF 593KB\)](#) .

Harmonised Indices of Consumer Prices

Introduction

The European Union-Harmonised Indices of Consumer Prices (EU-HICP) is calculated in each Member State of the EU. The purpose of this index is to allow the comparison of consumer price trends in the different Member States.

Comparison with CPI

The methodology now adopted for the construction of the national CPI is identical to that recommended for the HICP. Thus the two indices only differ in respect of the coverage of certain goods and services and the treatment of insurance. The current EU reference base period (Year 2005=100) is however retained for ease of comparison with other EU countries.

Excluded Items

The following items, constituting approximately 6.2% of the Irish CPI expenditure weighting, are excluded from the HICP:

- mortgage interest
- building materials
- motor car tax
- motor cycle tax
- motor car insurance (non-service)
- contents insurance (non-service)
- dwelling insurance
- union subscriptions
- local property tax

Annual Update of HICP Weights

For 2017, the CPI COICOP class (4-digit) level weights were updated with a reference period of December 2016 using information on consumer expenditure from HFMCE. The expenditure data were price updated at HICP COICOP class level to December 2016 using the price movement of the corresponding HICP COICOP class indices. Additionally at the 2016 CPI rebase, a more granular level update of the weights (5-digit) was possible using information from the latest 2015/2016 HBS. The expenditure data were price updated at HICP COICOP class level using the price movement of the corresponding HICP COICOP class indices.

Monetary Union Index of Consumer Prices (MUICP)

Euro area inflation is measured by the MUICP ('Monetary Union Index of Consumer Prices' as defined in Council Regulation (EC) No 2494/95 of 23 October 1995) which is the official euro area aggregate. The MUICP is calculated as a weighted average of HICPs of the 18 countries in the euro area. Country weights are computed every year reflecting the country's share of the household final monetary consumption expenditure in the euro area total.

Classification System

The coverage of the indices is based on the international classification system, Classification of Individual Consumption by Purpose Adapted to the Needs of Harmonised Indices of Consumer Prices (2000) (COICOP).

COICOP

Prior to the introduction of the December 2001 based series in January 2002 the CPI used a national classification while the EU Harmonised Indices of Consumer Prices (HICP) used COICOP. To ensure greater comparability CPI and the HICP have both used the COICOP since December 2001.

The COICOP classification is based on 12 divisions:

01 Food and Non-Alcoholic Beverages

Includes food and non-alcoholic beverages purchased in supermarkets, small shops, speciality shops and petrol station

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forecourt outlets. It excludes meals out which are covered under 11 Restaurants and Hotels.

02 Alcoholic Beverages and Tobacco

Includes alcoholic beverages purchased in off licences and supermarkets but excludes alcohol consumed on or within licensed premises which is classified under 11 Restaurants and Hotels. It also includes tobacco products.

03 Clothing and Footwear

Men's, ladies and children's clothing and footwear, sports and leisurewear and services such as laundry and dry cleaning, shoe repair, dress hire and alteration.

04 Housing, Water, Electricity, Gas and Other Fuels

Covers rents, mortgage interest repayments, refuse collection, goods and services for maintaining, decorating and repairing dwellings and domestic energy products such as electricity, gas, home heating oil and solid fuels. Water supply and sewage collection were added to this division under the item 'water supply and miscellaneous services relating to the dwelling' in January 2015.

05 Furnishings, Household Equipment and Routine Household Maintenance

Covers household items such as furniture, carpets and other floor coverings, household textiles and soft furnishings, household appliances and other household items such as utensils, tools, garden equipment and non-durable items for cleaning, washing and other day to day household activity. Also included are services such as electrical repair, cleaning and gardening.

06 Health

Includes medical products, appliances and equipment, hospital charges and outpatient services supplied by doctors, dentists, opticians, physiotherapists and practitioners of alternative and complementary medicine.

07 Transport

Includes the purchase of new and second hand vehicles, spare parts, car maintenance, fuels and lubricants, public transport and services such as parking, motor association subscriptions, car wash, toll charges, driving lessons, driving test, driving licence and car hire.

08 Communications

Postal and telecommunications services.

09 Recreation and Culture

Includes items such as audio visual and photographic equipment, computers, music and DVDs, sports and recreation goods, games and toys, items connected with gardening and pets, recreational, sporting and cultural activities and events, newspapers and other reading material, package holidays and other items connected with recreation and culture.

10 Education

Includes pre-primary and primary, secondary, third level fees and other education and training such as night courses and examination fees.

11 Restaurants and Hotels

Includes meals in restaurants and hotels, fast food and takeaways, cafes and canteens; alcohol consumed on or within licensed premises and accommodation services supplied by hotels, guesthouses and hostels.

12 Miscellaneous Goods and Services

Covers a wide range of items including hairdressing; goods for hygiene, hair and body care; personal goods such as jewellery, handbags and wallets; childcare and other social protection services; insurance, financial services and other services including funerals, weddings, legal and professional services. The household charge was added to this division, in the CPI, under the item 'miscellaneous goods and services' in April 2012. The household charge subsequently became the local property tax in July 2013. The local property tax is not included in the HICP.

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Calculating percentage changes in the index

The movement of the CPI, HICP and their subindices are expressed as percentage changes, rather than changes in index points, because index point changes are affected by the level of the index in relation to its base period, whereas percentage changes are not. The example below illustrates the computation of index point and percentage changes.

Index point change	
Current index	106.7
Less previous index	103.7
Equals index point change	3.0
Percentage change	
Index point change	3.0
Divided by the previous index	103.7
Equals	0.0289
Result multiplied by 100	0.0289 x 100
Equals percentage change	2.9

Estimating Contributions

A contribution represents the amount of the overall percentage change in the All Items CPI which is accounted for by any given category. It can be estimated for any category in the CPI (e.g. the twelve COICOP 2-digit divisions) and for any period of time.

Data Required:

1. Base weight for the category for which you wish to estimate the contribution.
2. Current index for the category in question (same base period).
3. Previous index for the category in question (same base period).
4. All Items CPI for the previous period in question (i.e. the start period).

Example:

To estimate the contribution of Food & Non-Alcoholic Beverages (COICOP 01) to the overall annual percentage change in the CPI up to July 2006 you would need the following data

1	Base weight for COICOP 01 (base:December 2001=100)	14.092%
2	Current Index (i.e. July 2006) for COICOP 01	103.7
3	Previous Index (i.e. July 2005) for COICOP 01	102.1
4	All Items CPI for the previous period (i.e. July 2005)	111.3

Steps in the calculation

Step 1	Multiply the base weight by the current index	14.092 x 103.7
	Equals (1)	1461.3404
Step 2	Multiply the base weight by the previous index	14.092 x 102.1
	Equals (2)	1438.7932
Step 3	Subtract figure (2) from figure (1)	1461.3404 - 1438.7932
	Equals (3)	22.5472
Step 4	Divide figure (3) by the All Items CPI for the previous period	22.5472 / 111.3
	Equals Contribution	0.20

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Therefore your estimated contribution of Food & Non-Alcoholic Beverages to the percentage change in the CPI for the year to July 2006 is 0.20. The actual published figure was 0.19. The difference is due to the fact that actual published contributions are calculated using data to more decimal places.

It is more complicated to estimate contributions where more than one base period is involved, as the base weights will have changed (e.g. to estimate a contribution for the period January 2000 to January 2005 involves the November 1996=100 base and the December 2001=100 base). For assistance in this regard please contact the CPI section.

Data Dissemination on www.cso.ie

The CSO website (www.cso.ie) now holds a range of CPI data. Within the Consumer Prices section of the website (accessed via the 'Prices' link on the homepage), a range of principle statistics are held including overall annual percentage changes from 1977 to date, All Items CPI annual figures from 1996 to date and COICOP division monthly and annual figures from 2002 to date.

Further data can be accessed at www.cso.ie by clicking on 'Databases' and 'StatBank CSO Main Data Dissemination Service'. The subject area is 'Economy', 'Prices', 'Consumer Prices' and 'Consumer Prices - Annual Series' or 'Consumer Prices - Monthly Series'. The website is updated each month at 11am on the CPI publication day.

The Database Direct for the CPI contains monthly and annual index numbers and percentage changes for the following categories and time periods:

Category	Period
All Items CPI	1975 to date
12 COICOP Divisions	1975 to date
Special CPI Subindices (CPI excluding Tobacco, Energy Products, etc.)	1982 to date
Harmonised Indices of Consumer Prices (HICP)	1997 to date

In addition, the following data can also be accessed within Database Direct.

- National average prices for selected CPI goods and services from January 1997 to date.
- All Items CPI numbers for various base periods from 1922 to date.
- Detailed sub-indices are available from 2003 to date.

Any queries relating to the usage of the web dissemination database for CPI data should be directed to cpi@cso.ie

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