

Consumer Price Index

July 2019

	CPI and HICP			
	CPI		HICP	
	% monthly change	% annual change	% monthly change	% annual change
Mar 2019	0.8	1.1	0.8	1.1
Apr 2019	0.4	1.7	0.4	1.7
May 2019	-0.1	1.0	-0.1	1.0
Jun 2019	0.2	1.1	0.2	1.1
Jul 2019	-0.2	0.5	-0.2	0.5

Prices rise by 0.5% in the year to July 2019

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



Source: CSO Ireland

Prices on average, as measured by the CPI, were 0.5% higher in July compared with July 2018.

The most notable changes in the year were increases in *Housing, Water, Electricity, Gas & Other Fuels* (+4.0%), *Alcoholic Beverages & Tobacco* (+2.5%), *Restaurants & Hotels* (+2.3%) and *Education* (+1.7%). There were decreases in *Communications* (-6.8%), *Furnishings, Household Equipment & Routine Household Maintenance* (-3.8%), *Clothing & Footwear* (-1.6%) and *Transport* (-1.2%).

Consumer Prices in July, as measured by the CPI, decreased by 0.2% in the month. During July of last year, prices rose by 0.4% in the month. The most significant monthly price changes were decreases in *Clothing & Footwear* (-6.2%), *Furnishings, Household Equipment & Routine Household Maintenance* (-1.6%), *Alcoholic Beverages & Tobacco* (-0.4%) and *Communications* (-0.4%). There were increases in *Transport* (+0.8%), *Housing, Water, Electricity, Gas & Other Fuels* (+0.3%) and *Miscellaneous Goods & Services* (+0.3%).

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 *Housing, Water, Electricity, Gas & Other Fuels* (+0.56%), *Restaurants & Hotels* (+0.43%) and *Alcoholic Beverages & Tobacco* (+0.15%).

The divisions which caused the largest downward contribution to the CPI in the year were *Communications* (-0.20%), *Transport* (-0.19%), *Furnishings, Household Equipment & Routine Household Maintenance* (-0.18%) and *Clothing & Footwear* (-0.10%).

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

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- *Housing, Water, Electricity, Gas & Other Fuels* rose mainly due to higher rents and mortgage interest repayments in addition to an increase in the price of electricity and gas. This increase was partially offset by a reduction in the price of home heating oil.
- *Restaurants & Hotels* increased primarily due to higher prices for alcoholic drinks and food consumed in licensed premises, restaurants, cafes etc. This increase was partially offset by lower prices for hotel accommodation.
- *Alcoholic Beverages & Tobacco* rose mainly due to higher prices for tobacco products.
- *Communications* fell due to a reduction in the cost of telephone & telefax equipment and telephone & telefax services.
- *Transport* decreased primarily due to lower prices for petrol and diesel and a reduction in airfares. This decrease was partially offset by an increase in prices for motor cars.
- *Furnishings, Household Equipment & Routine Household Maintenance* fell mainly due to the reduced cost of furniture & furnishings, non-durable household goods and household textiles.
- *Clothing & Footwear* decreased due to sales.

Contributions to the overall CPI – monthly change

The divisions which caused the largest downward contribution to the CPI in the month were *Clothing & Footwear* (-0.28%), *Furnishings, Household Equipment & Routine Household Maintenance* (-0.08%) and *Alcoholic Beverages & Tobacco* (-0.02%).

The divisions which caused the largest upward contribution in the month were *Transport* (+0.12%), *Housing, Water, Electricity, Gas & Other Fuels* (+0.3%) and *Miscellaneous Goods & Services* (+0.3%).

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

- *Clothing & Footwear* decreased due to sales.
- *Furnishings, Household Equipment & Routine Household Maintenance* fell mainly due to the reduced cost of non-durable household goods, furniture & furnishings and household textiles.
- *Transport* rose mainly due to an increase in air fares which was partially offset by lower prices for petrol and diesel.
- *Housing, Water, Electricity, Gas & Other Fuels* increased primarily due to higher rents.
- *Miscellaneous Goods & Services* rose mainly due to higher health insurance premiums.

CPI sub-indices

The sub index for Services rose by 2.2% in the year to July, while Goods decreased by 1.5%. Services, excluding mortgage interest repayments, increased by 2.1% in the year since July 2018.

The CPI excluding tobacco decreased by 0.2% in the month of July and rose by 0.4% in the year. The CPI excluding mortgage interest decreased by 0.2% in the month and rose by 0.5% 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 July 2018.

The most notable changes in the year were increases in *Housing, Water, Electricity, Gas & Other Fuels* (+4.3%), *Alcoholic Beverages & Tobacco* (+2.5%), *Restaurants & Hotels* (+2.4%) and *Education* (+1.7%). There were decreases in *Communications* (-6.9%), *Furnishings, Household Equipment & Routine Household Maintenance* (-3.6%), *Clothing & Footwear* (-1.6%) and *Transport* (-1.4%).

The HICP decreased by 0.2% in the month. This compares to an increase of 0.4% recorded in July of last year.

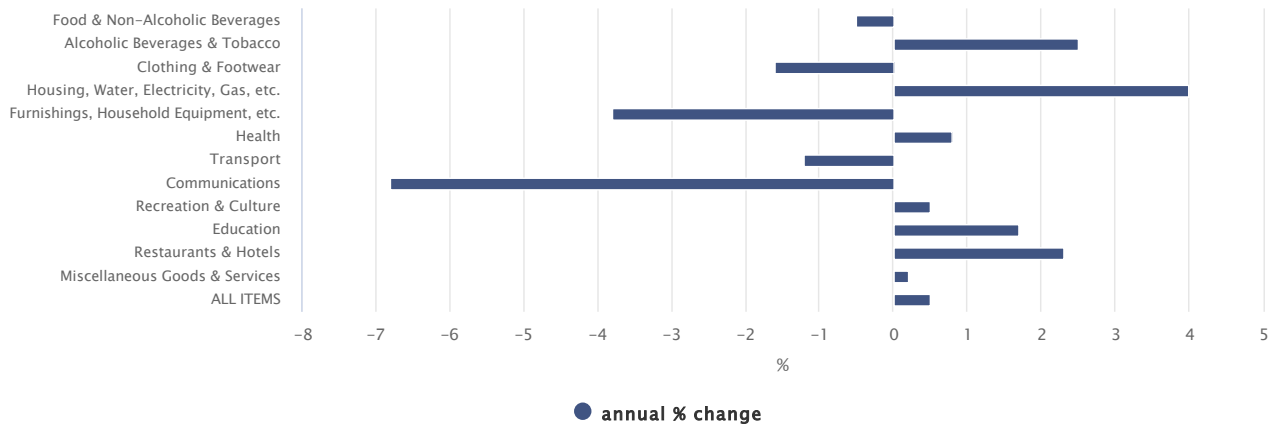
The most significant monthly price changes were decreases in *Clothing & Footwear* (-6.2%) and *Furnishings, Household Equipment & Routine Household Maintenance* (-1.6%). There were increases in *Transport* (+0.8%), *Housing, Water, Electricity, Gas & Other Fuels* (+0.2%) and *Health* (+0.2%).

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

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Figure 2: Comparison of CPI COICOP Divisions to the overall CPI annual percentage change – July 2019



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
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
2017 Year	100.7	101.9			0.4
2018 Year	101.2	102.4			0.5
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
November	100.5	101.7	-0.2	-0.9	0.5
December	100.4	101.6	-0.1	-0.4	0.4
2018 January	99.7	100.9	-0.7	-1.0	0.2
February	100.6	101.8	0.9	0.1	0.5
March	100.9	102.1	0.3	0.5	0.2
April	100.7	101.9	-0.2	1.0	-0.4
May	101.3	102.5	0.6	0.7	0.4
June	101.4	102.6	0.1	0.5	0.4
July	101.8	103.0	0.4	1.1	0.8
August	102.1	103.3	0.3	0.8	0.7
September	101.7	102.9	-0.4	0.3	0.9
October	101.6	102.8	-0.1	-0.2	0.9
November	101.1	102.4	-0.5	-1.0	0.6
December	101.1	102.3	0.0	-0.6	0.7
2019 January	100.4	101.6	-0.7	-1.2	0.7
February	101.2	102.4	0.8	0.1	0.6
March	102.0	103.2	0.8	0.9	1.1
April	102.4	103.6	0.4	2.0	1.7
May	102.3	103.5	-0.1	1.1	1.0
June	102.5	103.7	0.2	0.5	1.1
July	102.3	103.5	-0.2	-0.1	0.5

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Table 2 Consumer Price Index Subindices - July 2019

Subindices	Weights 2019	Consumer Price Index (CPI)		Percentage changes		
		Dec. 2016=100	Dec. 2011=100	1 month	3 months	12 months
CPI excluding Tobacco	96.887	102.0	102.5	-0.2	0.0	0.4
CPI excluding Housing	89.283	101.4	102.8	-0.2	-0.1	0.1
CPI excluding Mortgage Interest	97.347	102.3	106.0	-0.2	-0.1	0.5
CPI excluding Mortgage Interest and Local Property Tax	96.860	102.3	105.7	-0.2	-0.1	0.5
CPI excluding Energy Products	91.804	101.7	103.8	-0.1	0.0	0.6
CPI excluding Energy and Unprocessed Food	86.458	102.0	104.5	-0.1	0.0	0.6

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 - July 2019

COICOP Division	Weights 2019	Consumer Price Index (CPI)		Percentage changes		
		Dec. 2016=100	Dec. 2011=100	1 month	3 months	12 months
01 Food and Non-Alcoholic Beverages	10.826	97.0	91.4	-0.1	-0.3	-0.5
02 Alcoholic Beverages and Tobacco	5.798	107.4	122.7	-0.4	1.0	2.5
03 Clothing and Footwear	4.734	87.2	74.8	-6.2	-8.1	-1.6
04 Housing, Water, Electricity, Gas and Other Fuels	14.472	110.8	111.0	0.3	0.5	4.0
05 Furnishings, Household Equipment and Routine Household Maintenance	4.868	89.5	76.2	-1.6	-1.8	-3.8
06 Health	3.247	102.2	105.0	0.3	0.5	0.8
07 Transport	14.486	105.8	100.9	0.8	0.8	-1.2
08 Communications	2.959	93.3	85.2	-0.4	-4.0	-6.8
09 Recreation and Culture	7.617	99.1	95.1	0.0	0.2	0.5
10 Education	1.842	103.3	125.4	0.0	0.0	1.7
11 Restaurants and Hotels	18.383	108.9	119.0	0.0	1.2	2.3
12 Miscellaneous Goods and Services	10.768	96.8	112.4	0.3	0.3	0.2
ALL ITEMS	100.000	102.3	103.5	-0.2	-0.1	0.5
Of which:						
Goods	42.986	96.4	87.4	-1.2	-1.3	-1.5
Services	57.014	106.9	117.4	0.6	0.9	2.2
Energy Products	8.196	109.5	101.4	-1.5	-0.6	-0.2
Utilities and Local Charges	3.074	111.0	123.6	0.0	0.0	4.9
Alcohol	9.890	104.3	113.0	-0.1	0.6	1.1
Tobacco	3.113	115.2	148.0	0.0	0.7	6.8
Mortgage Interest	2.653	102.2	64.0	0.4	0.3	2.9
Services excluding Mortgage Interest	54.361	107.1	123.7	0.6	0.9	2.1

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 - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
01.1 Food	9.6758	96.8	0.0	-0.4
01.1.1 Bread & Cereals	1.4558	95.7	-0.5	-0.8
Rice	0.0610	88.2	-0.1	-6.8
Flours & other cereals	0.0310	94.6	-0.5	-7.2
Bread	0.4625	100.3	0.2	2.6
Other bakery products	0.4947	93.5	-1.7	-2.2
Pizza & quiche	0.0923	92.3	0.3	-6.5
Pasta products & couscous	0.0712	93.2	-0.2	-3.3
Breakfast cereals	0.1641	97.4	0.1	2.7
Other cereal products	0.0790	90.4	-1.6	-4.8
01.1.2 Meat	2.5127	95.7	-0.9	-0.9
Beef & veal	0.4020	92.4	-2.3	-3.5
Pork	0.1432	100.3	-1.9	-5.7
Lamb & goat	0.1228	90.5	-2.7	0.8
Poultry	0.5992	94.1	-0.1	-1.4
Edible offal	0.0046	101.8	0.3	1.8
Dried, salted or smoked meat	0.4517	97.4	0.2	-0.1
Other meat preparations	0.7890	97.5	-0.9	0.8
01.1.3 Fish	0.3828	93.1	-0.5	0.3
Fresh or chilled fish	0.1880	89.8	0.0	1.7
Frozen fish	0.0238	92.2	0.4	0.7
Fresh or chilled seafood	0.0213	99.3	0.5	0.6
Dried, smoked or salted fish & seafood	0.0361	105.2	-1.4	0.0
Other preserved or processed fish & seafood-based preparations	0.1137	93.9	-1.5	-1.9
01.1.4 Milk, cheese & eggs	1.3354	98.1	0.6	-0.4
Fresh whole milk	0.2933	100.1	0.0	0.0
Fresh low fat milk	0.1733	100.0	0.1	0.0
Yoghurt	0.2760	102.3	0.8	1.8
Cheese & curd	0.3000	93.1	1.6	-1.7
Other milk products	0.1216	94.2	-0.2	-4.6
Eggs	0.1712	97.1	0.6	-0.7
01.1.5 Oils & fats	0.2836	103.2	-1.4	-2.8
Butter	0.1430	111.3	-1.9	-3.8
Margarine & other vegetable fats	0.0654	96.4	-1.7	-0.4
Olive oil	0.0282	90.2	-0.8	-5.3
Other edible oils	0.0469	96.0	-0.4	-1.8
01.1.6 Fruit	0.8461	98.7	-0.6	-0.7
Fresh or chilled fruit	0.6916	98.8	-0.8	-1.1
Dried fruit & nuts	0.1353	98.4	0.2	1.9
Preserved fruit & fruit-based products	0.0191	97.5	1.4	-3.3
01.1.7 Vegetables	1.6036	99.4	2.5	3.8
Fresh or chilled vegetables other than potatoes & other tubers	0.6877	98.1	4.7	-0.8
Frozen vegetables other than potatoes & other tubers	0.0422	88.8	1.3	-1.1
Dried vegetables, other preserved or processed vegetables	0.3070	91.1	-0.7	-2.6
Potatoes	0.3568	111.9	0.1	19.3
Crisps	0.1917	96.9	4.8	3.2
01.1.8 Sugar, jam, honey, chocolate & confectionery	0.7640	93.3	-0.7	-5.0
Sugar	0.0335	94.2	-0.3	-7.1
Jams, marmalades & honey	0.0781	90.4	1.1	-3.5
Chocolate	0.3655	95.5	-1.1	-7.6
Confectionery products	0.1438	90.3	-1.0	-2.7
Edible ices & ice cream	0.1215	91.0	-1.1	-0.5
Artificial sugar substitutes	0.0215	95.7	2.2	-3.4
01.1.9 Food products n.e.c.	0.4919	96.3	0.3	-1.0
Sauces & condiments	0.2191	94.3	-0.2	-2.9
Salt, spices & culinary herbs	0.0460	99.6	-0.2	-1.6
Baby food	0.0327	98.5	-0.2	0.7
Ready-made meals	0.0895	99.6	1.2	0.5
Other food products n.e.c.	0.1047	95.2	0.5	0.6
01.2 Non-alcoholic beverages	1.1499	98.9	-0.6	-1.5
01.2.1 Coffee, tea & cocoa	0.2847	93.5	-1.6	-2.7
Coffee	0.1480	92.2	-4.6	-5.6
Tea	0.1244	95.6	2.6	0.6
Cocoa & powdered chocolate	0.0124	85.9	-6.9	-1.7
01.2.2 Mineral waters, soft drinks, fruit & vegetable juices	0.8652	100.6	-0.3	-0.9
Mineral or spring waters	0.2073	100.5	-2.0	-2.7
Soft drinks	0.3481	106.0	1.0	1.0
Fruit & vegetable juices	0.3098	94.6	-0.7	-2.1
Total	10.8258	97.0	-0.1	-0.5

Table 5 COICOP Division 02 Alcoholic Beverages and Tobacco - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
02.1 Alcoholic Beverages	2.6844	100.0	-0.6	-1.3
02.1.1 Spirits	0.4306	113.6	1.8	0.5
02.1.2 Wine	1.3891	92.4	-1.7	-3.1
02.1.3 Beer	0.8646	104.7	-0.1	0.7
02.2 Tobacco	3.1133	115.2	0.0	6.8
Cigarettes	2.7456	114.9	0.0	6.8
Other tobacco products	0.3677	117.8	0.0	7.0
Total	5.7977	107.4	-0.4	2.5

Table 6 COICOP Division 03 Clothing and Footwear - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
03.1 Clothing	3.9352	88.1	-6.3	-1.2
03.1.2 Garments	3.6239	87.5	-6.6	-1.2
03.1.3 Other articles of clothing & clothing accessories	0.2230	91.0	-4.0	-1.6
03.1.4 Cleaning, repair & hire of clothing	0.0883	103.3	0.3	1.6
Dry cleaning & laundry	0.0793	103.4	0.2	1.6
Dress hire & repair of clothing	0.0090	101.7	0.0	0.6
03.2 Footwear	0.7992	83.3	-5.6	-3.1
03.2.1 Shoes & other footwear	0.7946	83.1	-5.6	-3.3
03.2.2 Repair & hire of footwear	0.0045	102.6	0.2	1.1
Total	4.7344	87.2	-6.2	-1.6

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Table 7 COICOP Division 04 Housing, Water, Electricity, Gas and Other Fuels - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
04.1/04.2 Actual rentals for housing & mortgage interest	9.2400	111.4	0.4	4.9
04.1.1 Actual rentals paid by tenants (Rents)	6.5871	115.5	0.3	5.7
Private Rents	5.6955	115.6	0.3	5.6
Local Authority Rents	0.8916	114.8	0.0	5.8
04.2.1 Mortgage Interest	2.6529	102.2	0.4	2.9
04.3 Maintenance & repair of the dwelling	0.9264	106.7	-0.1	2.7
04.3.1 Materials for the maintenance & repair of the dwelling	0.3798	105.2	0.0	2.1
04.3.2 Services for the maintenance & repair of the dwelling	0.5466	107.4	0.0	3.1
04.4 Water supply & miscellaneous services relating to the dwelling	0.3052	102.6	0.0	1.0
04.5 Electricity, gas & other fuels	4.0007	110.9	0.0	2.7
04.5.1 Electricity	2.1030	112.3	0.0	4.2
04.5.2 Gas	0.6994	113.2	0.0	9.3
Natural gas	0.6522	113.9	0.0	9.9
Bottled gas	0.0472	103.4	0.0	0.1
04.5.3 Liquid fuels (Home Heating Oil)	0.7287	110.5	0.2	-6.1
04.5.4 Solid fuels	0.4696	102.4	0.0	2.3
Total	14.4724	110.8	0.3	4.0

Table 8 COICOP Division 05 Furnishings, Household Equipment and Routine Household Maintenance - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
05.1 Furniture & furnishings, carpets & other floor coverings	1.4109	85.2	-2.1	-4.9
05.1.1 Furniture & furnishings	1.3282	84.8	-2.1	-5.0
05.1.2 Carpets & other floor coverings	0.0827	97.7	-1.1	-2.0
05.2 Household textiles	0.4395	75.4	-3.3	-9.8
05.3 Household appliances	0.4592	91.2	-1.2	-2.8
05.3.1 Major household appliances whether electric or not	0.3427	91.8	-1.2	-2.0
05.3.2 Small electric household appliances	0.0853	83.7	-1.8	-6.9
05.3.3 Repair of household appliances	0.0312	102.2	0.0	0.7
05.4 Glassware, tableware & household utensils	0.2704	85.0	-1.7	-4.7
05.5 Tools & equipment for house & garden	0.2269	93.6	0.2	-2.5
05.5.1 Major tools & equipment	0.0759	90.3	0.2	-4.1
05.5.2 Small tools & miscellaneous accessories	0.1510	95.6	0.2	-1.7
05.6 Goods & services for routine household maintenance	2.0613	95.8	-1.3	-1.8
05.6.1 Non-durable household goods	0.8869	81.9	-3.1	-6.3
05.6.2 Domestic services & household services	1.1744	110.0	0.0	1.6
Total	4.8683	89.5	-1.6	-3.8

Table 9 COICOP Division 06 Health - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
06.1 Medical products, appliances & equipment	0.9843	96.4	1.0	-1.2
06.1.1 Pharmaceutical products	0.7967	95.4	0.2	-1.4
Prescribed drugs	0.4993	92.9	0.0	-1.5
Other medicines	0.2974	99.6	0.6	-1.4
06.1.2 Other medical products	0.0223	98.0	-0.2	0.3
06.1.3 Therapeutic appliances & equipment	0.1653	101.6	5.7	0.0
06.2 Out-patient services	2.0304	105.6	0.1	1.9
06.2.1/3 Medical & paramedical services	1.3591	106.1	0.1	2.1
Doctors' fees	1.1776	106.3	0.0	2.1
Other medical & paramedical services	0.1814	104.7	0.5	2.1
06.2.2 Dental services	0.6713	104.6	0.0	1.5
06.3 Hospital services	0.2320	100.8	0.0	0.2
Total	3.2466	102.2	0.3	0.8

Table 10 COICOP Division 07 Transport - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
07.1 Purchase of vehicles	5.1776	99.9	0.1	0.9
07.1.1 Motor cars	5.0900	100.0	0.1	0.9
07.1.2 Motor cycles	0.0284	103.4	0.0	0.9
07.1.3 Bicycles	0.0592	92.6	1.2	1.4
07.2 Operation of personal transport equipment	7.0370	106.4	-1.4	-1.0
07.2.1 Spare parts & accessories for personal transport equipment	0.4278	103.7	0.0	1.2
07.2.2 Fuels & lubricants for personal transport equipment	4.1956	108.2	-3.0	-2.7
Petrol	2.1478	108.3	-2.8	-2.4
Diesel	2.0419	108.0	-3.2	-3.1
Motor oil	0.0060	104.7	-0.2	1.6
07.2.3 Maintenance & repair of personal transport equipment	0.7507	101.7	0.0	1.0
07.2.4 Other services in respect of personal transport equipment	1.6628	104.7	1.4	2.3
Motor tax	0.7070	100.0	0.0	0.0
Other vehicle costs	0.9558	108.1	2.3	3.8
07.3 Transport services	2.2716	116.7	8.9	-5.2
07.3.1 Passenger transport by railway	0.2046	95.0	-8.0	-6.8
07.3.2 Passenger transport by road	0.7406	97.4	-5.5	-4.5
Bus fares	0.5259	94.8	-7.8	-6.4
Taxi fares	0.2147	103.7	0.0	0.0
07.3.3 Passenger transport by air	1.2285	132.2	19.4	-4.5
07.3.4 Passenger transport by sea & inland waterway	0.0498	99.7	-7.6	-11.6
07.3.5 Combined passenger transport	0.0209	100.2	0.0	-0.8
07.3.6 Other purchased transport services	0.0272	105.5	2.4	3.1
Total	14.4862	105.8	0.8	-1.2

Table 11 COICOP Division 08 Communications - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
08.1 Postal services	0.1276	124.0	0.0	0.7
08.2/3.0 Telephone & telefax equipment and telephone & telefax services	2.8315	91.9	-0.4	-7.2
Total	2.9591	93.3	-0.4	-6.8

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Table 12 COICOP Division 09 Recreation and Culture - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
09.1 Audio-visual, photographic & information processing equipment	0.2608	71.6	-0.6	-13.8
09.1.1 Equipment for the reception, recording & reproduction of sound & pictures	0.0906	70.8	-0.4	-11.7
09.1.2 Photographic & cinematographic equipment & optical instruments	0.0221	84.3	-0.7	-7.5
09.1.3 Information processing equipment	0.0829	50.8	-2.3	-23.3
09.1.4 Recording media	0.0590	90.0	1.6	-6.9
09.1.5 Repair of audio-visual, photographic & information processing equipment	0.0061	100.8	0.0	0.0
09.2 Other major durables for recreation & culture	0.0101	95.9	0.0	0.8
09.3 Other recreational items & equipment, gardens & pets	1.2710	87.7	0.0	-5.2
09.3.1 Games, toys & hobbies	0.3690	80.3	-0.1	-11.5
09.3.2 Equipment for sport, camping & open-air recreation	0.1324	75.6	0.0	-11.8
09.3.3 Gardens, plants & flowers	0.3431	91.0	-0.4	-3.3
09.3.4/5 Pets & related products including veterinary & other services for pets	0.4264	99.7	0.3	0.9
09.4 Recreational & cultural services	4.1792	104.5	0.1	3.0
09.4.1 Recreational & sporting services	2.3033	110.6	0.0	4.1
Sports admittance	0.1512	112.2	0.0	7.5
Sports participation	1.2009	113.1	0.0	6.5
Club & society subscriptions	0.9272	107.0	0.0	0.7
09.4.2 Cultural services	1.8759	100.5	0.0	1.3
Cinema	0.1900	106.5	0.5	2.9
Nightclubs	0.0805	102.2	0.0	1.1
Cultural admittance	0.3025	102.5	0.0	5.9
Television services	1.2360	98.6	0.0	0.0
Other entertainment	0.0669	104.8	0.5	1.6
09.5 Newspapers, books & stationery	0.7564	105.1	-0.1	3.0
09.5.1 Books	0.1713	103.1	-0.2	0.2
09.5.2 Newspapers & periodicals	0.3036	111.4	0.2	7.0
09.5.3/4 Miscellaneous printed matter and stationery & drawing materials	0.2816	97.8	-0.3	0.6
09.6 Package holidays	1.1395	100.9	0.2	1.0
Total	7.6171	99.1	0.0	0.5

Table 13 COICOP Division 10 Education - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
10.1 Pre-primary & primary education	0.1184	101.0	0.0	0.7
10.2 Secondary education	0.2615	103.6	0.0	1.9
10.4 Tertiary education	1.2985	103.7	0.1	1.9
10.5 Education not definable by level	0.1633	102.0	0.0	0.7
Total	1.8417	103.3	0.0	1.7

Table 14 COICOP Division 11 Restaurants and Hotels - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
11.1 Catering services	16.3120	106.9	0.1	3.5
11.1.1 Restaurants, cafes & the like	15.5211	107.1	0.1	3.5
Licenced premises	8.1385	106.2	0.1	2.1
Spirits	0.5220	106.8	0.2	2.2
Wine	1.9944	105.5	0.2	1.9
Beer	4.6893	106.2	0.1	2.1
Soft drinks & mineral water	0.9328	107.3	0.1	2.3
Restaurants, cafes, fast food & take-away food	7.3826	108.1	0.1	5.1
11.1.2 Canteens	0.7909	103.0	0.1	2.2
11.2 Accommodation services	2.0711	125.8	-0.6	1.2
Total	18.3831	108.9	0.0	2.3

Table 15 COICOP Division 12 Miscellaneous Goods and Services - July 2019

Description	Weights 2019	Index Dec. 2016=100	Percentage changes	
			1 month	12 months
12.1 Personal care	2.4477	95.0	-0.5	-0.8
12.1.1 Hairdressing salons & personal grooming establishments	0.9110	106.8	0.0	5.2
Hairdressing	0.6824	109.0	0.0	6.7
Health & beauty treatments	0.2286	100.3	0.0	0.8
12.1.2 Electric appliances for personal care	0.0318	87.8	-0.3	-9.2
12.1.3 Other appliances, articles & products for personal care	1.5048	89.1	-0.8	-4.2
Hygiene products	0.3811	93.2	-0.5	-1.3
Hair products	0.1829	88.7	0.9	-5.9
Cosmetics & skincare products	0.5860	88.7	-2.1	-5.5
Toilet accessories	0.3550	85.7	0.4	-4.0
12.3 Personal effects n.e.c.	0.7424	83.7	-1.1	-5.3
12.3.1 Jewellery, clocks & watches	0.4408	93.4	-0.1	-2.4
12.3.2 Other personal effects	0.3016	74.8	-2.5	-9.4
12.4 Social protection	1.2953	105.3	0.9	2.6
Childcare	1.1389	105.1	0.9	2.6
Other social protection	0.1565	106.5	0.6	2.4
12.5 Insurance	4.5668	96.2	0.9	0.9
12.5.2 Insurance connected with the dwelling	0.3902	106.5	0.0	0.6
12.5.3 Insurance connected with health	3.1781	101.3	1.4	2.6
12.5.4 Insurance connected with transport	0.9985	81.0	0.0	-4.7
Motor insurance	0.9696	80.4	0.0	-4.9
Motor cycle insurance	0.0064	89.3	0.0	0.0
Motor car insurance	0.9632	80.4	0.0	-4.7
Travel insurance	0.0289	102.4	0.0	0.2
12.6 Financial services n.e.c.	0.3872	100.1	0.0	0.6
12.7 Other services n.e.c.	1.3282	102.8	0.0	0.1
Total	10.7676	96.8	0.3	0.2

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Table 16 Consumer Price Index Goods and Services by COICOP Division - July 2019

COICOP Division	Weights 2019			Index Dec. 2016=100		Percentage changes		
	Overall	Goods	Services	Goods	Services	Goods 12 months	Services 12 months	Overall 12 months
01 Food and Non Alcoholic Beverages	10.826	10.826	-	97.0	-	-0.5	-	-0.5
02 Alcoholic Beverages and Tobacco	5.798	5.798	-	107.4	-	2.5	-	2.5
03 Clothing and Footwear	4.734	4.642	0.093	86.9	103.2	-1.6	1.5	-1.6
04 Housing, Water, Electricity, Gas and Other Fuels	14.472	1.625	12.847	106.8	111.3	-1.9	4.8	4.0
05 Furnishings, Household Equipment and Routine Household Maintenance	4.868	3.653	1.215	84.3	109.7	-5.4	1.6	-3.8
06 Health	3.247	0.984	2.262	96.4	105.1	-1.2	1.7	0.8
07 Transport	14.486	9.801	4.685	103.7	110.1	-0.7	-2.0	-1.2
08 Communications	2.959	1.223	1.736	57.0	99.1	-22.2	-2.7	-6.8
09 Recreation and Culture	7.617	2.155	5.462	90.7	103.9	-3.8	2.6	0.5
10 Education	1.842	-	1.842	-	103.3	-	1.7	1.7
11 Restaurants and Hotels	18.383	-	18.383	-	108.9	-	2.3	2.3
12 Miscellaneous Goods & Services	10.768	2.279	8.489	87.6	99.5	-4.6	1.4	0.2
ALL ITEMS	100.000	42.986	57.014	96.4	106.9	-1.5	2.2	0.5

Table 17 Contributions to the change in the All Items CPI - July 2019

COICOP Division	Percentage contributions		
	1 month	3 months	12 months
01 Food and Non-Alcoholic Beverages	-0.01	-0.03	-0.05
02 Alcoholic Beverages and Tobacco	-0.02	0.06	0.15
03 Clothing and Footwear	-0.28	-0.37	-0.10
04 Housing, Water, Electricity, Gas and Other Fuels	0.03	0.08	0.56
05 Furnishings, Household Equipment and Routine Household Maintenance	-0.08	-0.08	-0.18
06 Health	0.01	0.02	0.03
07 Transport	0.12	0.12	-0.19
08 Communications	-0.01	-0.12	-0.20
09 Recreation and Culture	0.00	0.02	0.04
10 Education	0.00	0.00	0.04
11 Restaurants and Hotels	0.00	0.23	0.43
12 Miscellaneous Goods and Services	0.03	0.03	0.02
All Items % change	-0.2	-0.1	0.5
Goods	-0.53	-0.57	-0.67
Services	0.34	0.52	1.21
Energy Products	-0.12	-0.05	-0.01
Tobacco	0.00	0.02	0.18
Mortgage Interest	0.01	0.01	0.08

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

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

Period	HICP 2015=100		Percentage changes		
	Monthly index	Moving 12-month average index	1 month	12 months	Moving 12-month average
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
November	100.0	100.0	-0.1	0.5	0.2
December	99.9	100.1	-0.1	0.5	0.3
2018					
January	99.2	100.1	-0.7	0.3	0.3
February	100.1	100.1	0.9	0.7	0.3
March	100.5	100.2	0.4	0.5	0.3
April	100.3	100.2	-0.2	-0.1	0.2
May	100.9	100.2	0.6	0.7	0.3
June	101.0	100.3	0.1	0.7	0.4
July	101.4	100.4	0.4	1.0	0.5
August	101.7	100.4	0.3	0.9	0.5
September	101.4	100.5	-0.3	1.2	0.6
October	101.2	100.6	-0.2	1.1	0.7
November	100.8	100.7	-0.4	0.8	0.7
December	100.7	100.8	-0.1	0.8	0.7
2019					
January	100.0	100.8	-0.7	0.8	0.8
February	100.8	100.9	0.8	0.7	0.8
March	101.6	101.0	0.8	1.1	0.8
April	102.0	101.1	0.4	1.7	1.0
May	101.9	101.2	-0.1	1.0	1.0
June	102.1	101.3	0.2	1.1	1.0
July	101.9	101.3	-0.2	0.5	1.0

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Table 19 EU Harmonised Consumer Price COICOP Division Indices - July 2019 Ireland

COICOP Division	HICP	Percentage changes		Percentage contributions	
	Year 2015=100	1 month	12 months	1 month	12 months
01 Food and Non-Alcoholic Beverages	94.2	0.0	-0.5	-0.01	-0.06
02 Alcoholic Beverages and Tobacco	108.3	-0.3	2.5	-0.02	0.16
03 Clothing and Footwear	85.1	-6.2	-1.6	-0.30	-0.10
04 Housing, Water, Electricity, Gas and Other Fuels	116.0	0.2	4.3	0.02	0.50
05 Furnishings, Household Equipment and Routine Household Maintenance	85.1	-1.6	-3.6	-0.08	-0.19
06 Health	102.5	0.2	0.6	0.01	0.03
07 Transport	102.1	0.8	-1.4	0.12	-0.22
08 Communications	91.1	-0.4	-6.9	-0.01	-0.22
09 Recreation and Culture	96.7	0.0	0.6	0.00	0.04
10 Education	108.1	0.0	1.7	0.00	0.04
11 Restaurants and Hotels	110.9	0.0	2.4	0.00	0.45
12 Miscellaneous Goods and Services	95.8	0.0	-0.2	0.00	-0.01
All Items HICP	101.9	-0.2	0.5	-0.2	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 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

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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 from 1st July 2016.

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

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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

Since 2012 the weights of the items in the basket have been updated annually at HICP 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.

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 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

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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.

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

Consumer Price Index July 2019 (full)



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

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

Consumer Price Index July 2019 (full)



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@csso.ie

FOR MORE INFORMATION ON THIS RELEASE:

E-mail: cpi@csso.ie

Colin Cotter (+353) 21 453 5770

Maeve Ahern (+353) 21 453 5924

Ann Ross (+353) 21 453 5427

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