

### **Consumer Price Index**

2018, March

### Inflation 0.8 per cent in March

The year-on-year change in consumer prices calculated by Statistics Finland was 0.8 per cent in March. In February, inflation stood at 0.6 per cent. The slight increase in inflation from February to March was caused primarily by a rise in the price of food.

#### Inflation indicators in Finland, March 2018

	Point figure	Annual change (%)	Monthly change (%)
Consumer Price Index 2015=100	101.7	0.8	0.2
Cost-of-living Index 1951:10=100	1939		
Harmonised Index of Consumer Prices 2015=100	102.0	0.9	0.2
Harmonised Index of Consumer Prices at Constant Taxes 2015=100	101.4	0.5	0.2

Consumer prices were raised most in March by increases in the prices of cigarettes, the vehicle tax, rents and hospital fees from one year ago. The rising of consumer prices from one year back was curbed most by reductions in the prices of children's day care, second-hand passenger cars, games of chance, mobile telephones and petrol. From February to March, consumer prices changed by 0.2 per cent, which was mainly caused by risen prices of clothing.

Each mid-month, Statistics Finland's interviewers collect altogether around 50,000 prices on nearly 470 commodities from approximately 2,700 outlets for the Consumer Price Index. In addition, some 1,000 items of price data are gathered by centralised collection.

# According to preliminary data, inflation in the euro area was 1.4 per cent in March

According to the preliminary data on the Harmonised Index of Consumer Prices, the rate of inflation in the euro area was 1.4 per cent in March. In February it was 1.1 per cent. The corresponding figure for Finland was 0.9 per cent in March.

The Harmonised Index of Consumer Prices does not include owner-occupancy, games of chance, interests on consumption and other credits, fire insurance on owner-occupied dwellings, the vehicle tax or fishing and hunting fees. The consumption items included in the Harmonised Index of Consumer Prices, as well as the rules governing its compilation, have been defined in EU regulations.

Eurostat's estimate of inflation in the eurozone is based on preliminary data from the Member States and on the price development of energy. Eurostat will publish detailed data on Harmonised Indices of Consumer Prices for March on 18 April. Information of inflation in EU countries is available on <u>Eurostat</u> homepage, (http://ec.europa.eu/eurostat/web/main).

# The year-on-year change in the Harmonised Index of Consumer Prices at Constant Taxes was 0.5 per cent in March

The year-on-year change in the Harmonised Index of Consumer Prices stood at 0.9 per cent in March and that in the Index at Constant Taxes measuring market inflation at 0.5 per cent. Over twelve months, the combined raising impact on consumer prices from changes in commodity tax rates was thus 0.4 percentage points. The month-on-month change in the Harmonised Index of Consumer Prices was 0.2 per cent and that in the Index at Constant Taxes 0.2 per cent in March.

#### Harmonised Index of Consumer Prices at Constant Taxes

The inflation measured by Consumer Price Index consists mainly of products and services priced by enterprises and the public sector, and value added and commodity taxes. Some 25 per cent of the private consumption described by the Harmonised Index of Consumer Prices (HICP) consists of value added or other taxes. The Harmonised Index of Consumer Prices at Constant Taxes (HICP-CT) is based on the HICP so the two indices have the same weight structure and price data. HICP-CT is calculated with a method which holds the tax rate constant relative to the reference period. When tax changes take place, the impact of the tax change on commodity prices is eliminated from HICP-CT. The price impact of the tax changes is obtained by comparing the development of the HICP and HICP-CT.

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### Appendix tables

#### Appendix table 1. Consumer Price Index 2015=100 by commodity groups

		Commodity group 1)												
		0	01	02	03	04	05	06	07	08	09	10	11	12
2018	January	101.2	98.6	110.1	93.6	102.6	98.7	107.7	101.5	97.8	98.8	105.1	104.5	98.8
	February	101.5	100.0	110.0	95.9	102.4	98.8	107.8	101.6	97.7	99.0	105.1	105.2	98.8
	March	101.7	100.2	110.2	99.6	102.5	99.2	107.8	101.2	97.7	99.1	105.1	105.2	98.8
2017	Annual average	101.1	97.9	104.1	98.2	101.9	99.5	108.7	102.4	99.1	98.6	104.0	103.7	100.0
2016	Annual average	100.4	98.9	101.0	99.4	100.5	99.7	106.8	99.8	100.8	99.4	102.3	101.7	99.7
2015	Annual average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<sup>1) 0=</sup>Consumer price index, 01=Food and non-alcoholic beverages, 02=Alcoholic beverages and tobacco, 03=Clothing and footwear, 04=Housing, water, electricity, gas and other fuels, 05=Furnishings, household equipment and routine maintenance of the house, 06=Health, 07=Transportation, 08=Communication, 09=Recreation and culture, 10=Education, 11=Restaurants and hotels, 12=Miscellaneous goods and services

# Appendix table 2. Consumer Price Index 2015=100 by commodity groups, monthly and annual changes

	2018						
	March						
	Weight	Monthly change (%)	Annual change (%)				
Commodity group							
0 CONSUMER PRICE INDEX	1000.0	0.2	0.8				
01 FOOD AND NON-ALCOHOLIC BEVERAGES	127.8	0.2	2.5				
02 ALCOHOLIC BEVERAGES AND TOBACCO	47.6	0.1	6.1				
03 CLOTHING AND FOOTWEAR	45.7	3.9	-1.3				
04 HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS	245.5	0.1	1.2				
05 FURNISHINGS, HOUSEHOLD EQUIPMENT AND ROUTINE HOUSEHOLD MAINTENANCE	52.2	0.4	-0.8				
06 HEALTH	50.7	0.0	1.5				
07 TRANSPORT	139.5	-0.5	-1.1				
08 COMMUNICATION	24.5	-0.0	-1.1				
09 RECREATION AND CULTURE	113.9	0.2	0.2				
10 EDUCATION	4.3	0.0	1.8				
11 RESTAURANTS AND HOTELS	72.2	-0.0	2.4				
12 MISCELLANEOUS GOODS AND SERVICES	76.3	0.0	-1.3				

### Appendix table 3. Cost-of-living Index 1951:10=100

	lan	Ech	Mar.	Anr	Max	luna	luke	۸۰۰	Sont	Oct	Nov	Dec.	Ann Ava
2018	Jan. 1929	Feb. 1935	1939	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann Avg.
2018	1929	1935	1939	1929	1926	1928	1922	1927	1931	1931	1936	1935	1927
2017	1898	1923	1923	1929	1912	1913	1912	1913	1916	1920	1930	1935	1927
2015	1897	1900	1907	1908	1912	1913	1912	1913	1908	1920	1921	1925	1913
2013	1900	1902	1908	1912	1907	1907	1902	1900	1900	1916	1913	1910	1910
2014	1870	1881	1889	1892	1892	1891	1891	1888	1894	1897	1894	1901	1890
2013	1840	1850	1857	1863	1864	1865	1861	1865	1872	1875	1869	1871	1863
2012	1783	1794	1804	1807	1808	1813	1808	1815	1823	1827	1829	1828	1812
2010	1729	1735	1744	1749	1747	1751	1742	1749	1757	1764	1768	1777	1751
2009	1732	1733	1734	1749	1731	1735	1742	1749	1737	1704	1700	1726	1731
2009	1695	1703	1734	1734	1731	1736	1724	1742	1750	1750	1723	1736	1730
2007	1632	1642	1655	1663	1661	1663	1662	1664	1671	1677	1680	1678	1662
2007	1595	1607	1612	1621	1623	1624	1620	1626	1629	1633	1634	1635	1622
2005	1575	1585	1591	1595	1591	1595	1591	1595	1604	1603	1598	1600	1594
						1577							
2004	1572 1569	1581 1580	1576 1584	1576 1582	1578 1580	1577	1575 1570	1579	1585	1590 1577	1583	1584 1577	1580
2003	1548		1584		1580	1578	1570	1572 1563	1579 1568	1577	1575	1577	1577
		1551		1565	1548				1552		1568 1543	1567	1563
2001	1514	1522	1529	1536		1550	1542	1544		1549			1539
2000	1466	1476	1485	1490	1497	1504	1505	1507	1519	1520	1519	1517	1501
1999	1434	1437	1441	1451	1455	1454	1452	1453	1457	1460	1460	1466	1452
1998	1427	1426	1429	1436	1435	1438	1435	1437	1441	1441	1438	1437	1435
1997	1398	1400	1405	1412	1415	1417	1417	1420	1423	1426	1425	1425	1415
1996 1995	1390 1383	1394 1387	1396 1388	1398 1389	1401 1390	1401 1394	1400 1393	1397 1391	1400 1393	1402 1393	1398 1389	1399 1387	1398 1390
1993	1357	1362	1365	1368	1368	1382	1382	1385	1388	1389	1385	1383	1376
1994	1354	1359	1360	1365	1366	1364	1361	1359	1362	1364	1362	1361	
1993	1320	1323	1327	1332	1333	1336	1334	1332	1302	1342	1344	1340	1361 1333
1992	1283	1290	1291	1296	1302	1301	1300	1302	1304	1342	1307	1313	1300
1990	1223	1228	1232	1239	1245	1248	1250	1256	1262	1266	1266	1264	1248
1989	1137	1143	1156	1167	1171	1182	1181	1182	1195	1199	1199	1204	
1988	1075	1078	1084	1092	1101	1107	1106	1102	1119	1120	1123	1132	1177
1987	1075	1078	1004	1092	1050	1053	1053	1056	1060	1062	1062	1063	1052
1986	999	1003	1044	1049	1013	1033	1033	1030	1021	1002	1002	1003	1032
		959							989	990	991		
1985 1984	955 898	902	968 908	973 914	983 924	985 926	986 929	987 933	939	990	944	992 945	980 925
1983	830	834	839	849	860	871	875	876	881	883	891	890	865
1982	767	771	780	786	799	800	806	804	806	809	812	823	797
1981	693	699	708	717	727	731	734	736	745	752	752	755	729
1980	611	620	626	638	645	648	651	660	669	676	682	686	651
1979	560	567	571	576	578	582	585	588	593	596	601	604	583
1979	526	532	533	536	544	544	545	547	551	554	557	556	544
1978	476	482	489	493	500	506	510	518	520	522	524	525	506
1976	426	432	436	440	441	442	450	456	460	465	468	469	449
1975	364	369	375	383	387	388	394	399	405	411	415	418	392
		314											
1974 1973	305 265	267	317 269	324 272	328 277	329 280	335 288	340 292	348 295	351 297	353 299	354 303	333 284
								_					
1972 1971	242	245 229	247 231	251 232	253 233	254 237	256 239	257 241	259 243	260 243	262 244	262 245	254 237
19/1	220	229	231	232	233	231	239	Z4 I	243	243	Z44	240	231

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann Avg.
1970	220	221	221	222	222	222	223	223	224	224	225	225	223
1969	215	215	214	216	216	217	217	217	218	218	218	218	217
1968	205	207	210	211	211	213	213	213	214	215	215	215	212
1967	191	192	192	193	193	194	195	195	197	198	202	203	195
1966	181	181	182	183	184	184	185	186	187	188	189	189	185
1965	175	175	176	177	177	178	179	179	179	180	180	180	178
1964	164	165	167	169	170	170	170	171	172	173	173	174	170
1963	150	151	151	153	153	153	154	154	156	158	158	158	154
1962	143	143	144	145	146	146	148	148	148	150	150	150	147
1961	140	140	140	140	140	140	140	140	140	141	142	142	141
1960	136	136	137	138	138	138	139	138	138	139	140	140	138
1959	133	133	133	132	133	133	133	133	134	136	136	136	134
1958	129	130	130	132	133	132	132	132	132	132	133	133	132
1957	120	120	120	121	122	122	124	125	126	127	127	128	124
1956	104	107	108	108	110	110	111	112	113	113	118	118	111
1955	98	98	98	99	99	99	99	100	100	101	101	101	100
1954	104	104	103	104	104	103	104	104	104	104	98	98	103
1953	102	103	103	103	103	103	103	103	103	104	103	102	103
1952	102	101	101	101	101	101	101	101	101	102	102	102	101
1951									-	100	100	100	

Appendix table 4. Year-on-year changes in the Consumer Price Index, per cent

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann Avg.
2018	0.8	0.6	0.8										
2017	0.8	1.2	0.8	0.8	0.7	0.7	0.5	0.7	0.8	0.5	0.8	0.5	0.7
2016	0.0	-0.1	-0.0	0.3	0.3	0.4	0.5	0.4	0.4	0.5	0.7	1.0	0.4
2015	-0.2	-0.1	-0.1	-0.2	-0.0	-0.1	-0.2	-0.2	-0.6	-0.3	-0.2	-0.2	-0.2
2014	1.6	1.3	1.1	1.1	0.8	0.9	0.8	1.1	1.3	1.0	1.0	0.5	1.0
2013	1.6	1.7	1.7	1.5	1.6	1.4	1.6	1.2	1.2	1.2	1.4	1.6	1.5
2012	3.2	3.1	2.9	3.1	3.1	2.8	2.9	2.7	2.7	2.6	2.2	2.4	2.8
2011	3.0	3.3	3.3	3.2	3.3	3.5	4.0	3.8	3.7	3.5	3.4	2.9	3.4
2010	-0.2	0.1	0.6	0.9	1.0	0.9	1.1	1.2	1.4	2.3	2.5	2.9	1.2
2009	2.2	1.7	0.9	0.8	0.0	-0.1	-0.6	-0.7	-1.0	-1.5	-0.9	-0.5	0.0
2008	3.8	3.7	3.9	3.5	4.2	4.4	4.4	4.7	4.7	4.4	3.6	3.5	4.1
2007	2.3	2.2	2.6	2.6	2.4	2.4	2.6	2.3	2.6	2.7	2.9	2.6	2.5
2006	0.8	0.9	0.9	1.3	1.7	1.7	1.9	1.9	1.5	1.8	2.1	2.2	1.6
2005	0.2	0.2	1.0	1.2	0.8	1.1	1.0	1.0	1.2	0.8	0.9	1.0	0.9
2004	0.2	0.1	-0.5	-0.4	-0.1	-0.1	0.3	0.4	0.4	0.9	0.5	0.4	0.2
2003	1.4	1.9	1.6	1.1	0.7	0.8	0.5	0.6	0.7	0.3	0.5	0.6	0.9
2002	2.3	1.8	1.8	1.8	1.3	1.1	1.7	1.4	1.0	1.5	1.6	1.7	1.6
2001	3.3	3.1	2.9	3.0	3.4	3.0	2.5	2.4	2.2	1.9	1.6	1.6	2.6
2000	2.2	2.7	3.1	2.7	2.9	3.5	3.7	3.8	4.2	4.1	4.0	3.5	3.4
1999	0.5	0.8	0.8	1.1	1.4	1.1	1.2	1.1	1.1	1.3	1.6	2.0	1.2
1998	1.9	1.9	1.8	1.8	1.5	1.5	1.1	1.1	1.3	1.1	0.9	0.8	1.4
1997	0.6	0.4	0.6	1.0	1.0	1.2	1.2	1.6	1.6	1.7	1.9	1.9	1.2
1996	0.5	0.5	0.6	0.7	0.7	0.4	0.5	0.4	0.5	0.7	0.7	0.8	0.6
1995	1.9	1.8	1.7	1.5	1.6	0.9	0.8	0.5	0.3	0.3	0.3	0.3	1.0
1994	0.2	0.3	0.4	0.2	0.2	1.3	1.6	1.9	1.9	1.9	1.7	1.6	1.1
1993	2.9	2.9	2.7	2.6	2.6	2.1	2.1	2.1	1.8	1.6	1.3	1.5	2.2
1992	2.9	2.6	2.8	2.8	2.4	2.7	2.6	2.4	2.6	2.7	2.8	2.1	2.6
1991	4.9	5.0	4.8	4.6	4.6	4.2	4.0	3.6	3.3	3.2	3.3	3.9	4.1
1990	7.5	7.4	6.5	6.2	6.2	5.6	5.9	6.2	5.6	5.5	5.6	4.9	6.1
1989	5.8	6.0	6.6	6.9	6.4	6.8	6.7	6.6	6.8	7.1	6.8	6.5	6.6
1988	4.2	4.1	4.1	4.4	5.1	5.3	5.2	5.2	5.6	5.6	5.9	6.5	5.1
1987	3.7	3.5	3.9	3.9	3.7	3.5	3.4	3.4	3.9	3.7	3.7	3.7	3.7
1986	4.5	4.6	3.8	3.7	3.0	3.3	3.3	3.4	3.3	3.5	3.3	3.4	3.6
1985	6.4	6.4	6.6	6.5	6.4	6.4	6.1	5.8	5.3	4.9	4.9	5.0	5.9
1984	8.3	8.2	8.1	8.0	7.4	6.4	6.4	6.7	6.6	6.9	6.0	6.1	7.1
1983	8.2	8.2	7.5	8.0	7.7	8.9	8.5	9.0	9.4	9.1	9.8	8.6	8.4
1982	10.7	10.3	10.2	9.6	9.8	9.4	9.8	9.3	8.1	7.6	7.9	9.0	9.3
1981	13.5	12.8	13.1	12.5	12.7	12.9	12.6	11.5	11.4	11.3	10.4	10.0	12.0
1980	8.9	9.3	9.7	10.7	11.6	11.2	11.3	12.3	12.9	13.3	13.5	13.7	11.6

### Appendix table 5. Consumer Price Index 2010=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann Avg.
2018	110.1	110.5	110.7										
2017	109.2	109.8	109.8	110.1	110.0	110.0	109.7	110.0	110.2	110.2	110.5	110.4	110.0
2016	108.3	108.5	108.9	109.2	109.2	109.2	109.1	109.2	109.4	109.6	109.6	109.9	109.2
2015	108.3	108.6	108.9	108.9	108.8	108.8	108.6	108.8	108.9	109.1	108.9	108.8	108.8
2014	108.5	108.7	109.0	109.1	108.9	109.0	108.8	109.0	109.6	109.4	109.2	109.0	109.0
2013	106.7	107.4	107.8	108.0	108.0	108.0	107.9	107.8	108.1	108.3	108.1	108.5	107.9
2012	105.0	105.6	106.0	106.4	106.4	106.4	106.2	106.4	106.9	107.0	106.7	106.8	106.3
2011	101.8	102.4	103.0	103.2	103.2	103.5	103.2	103.6	104.1	104.3	104.4	104.4	103.4
2010	98.8	99.1	99.7	100.0	99.9	100.0	99.3	99.8	100.3	100.7	101.0	101.4	100.0

#### Appendix table 6. Consumer Price Index 2005=100

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann Avg.
2018	120.8	121.2	121.4						-				
2017	119.9	120.5	120.5	120.8	120.6	120.7	120.4	120.7	120.9	120.9	121.2	121.2	120.7
2016	118.9	119.0	119.5	119.8	119.8	119.8	119.8	119.8	120.0	120.3	120.3	120.6	119.8
2015	118.8	119.1	119.5	119.5	119.4	119.4	119.1	119.4	119.5	119.7	119.5	119.4	119.4
2014	119.0	119.3	119.6	119.8	119.5	119.5	119.4	119.6	120.2	120.0	119.8	119.6	119.6
2013	117.1	117.8	118.3	118.5	118.5	118.5	118.4	118.2	118.7	118.8	118.6	119.1	118.4
2012	115.2	115.9	116.3	116.7	116.7	116.8	116.6	116.8	117.3	117.4	117.0	117.2	116.7
2011	111.7	112.4	113.0	113.2	113.3	113.6	113.3	113.7	114.2	114.5	114.5	114.5	113.5
2010	108.3	108.7	109.2	109.5	109.4	109.7	109.1	109.6	110.0	110.5	110.7	111.3	109.7
2009	108.5	108.6	108.6	108.6	108.4	108.7	108.0	108.3	108.5	107.9	108.0	108.1	108.3
2008	106.2	106.7	107.6	107.8	108.4	108.8	108.6	109.1	109.6	109.6	109.1	108.7	108.3
2007	102.2	102.9	103.6	104.1	104.0	104.2	104.1	104.2	104.7	105.0	105.3	105.1	104.1
2006	99.9	100.7	101.0	101.5	101.6	101.7	101.5	101.9	102.0	102.3	102.3	102.4	101.6
2005	99.1	99.8	100.1	100.2	99.9	100.0	99.6	100.0	100.5	100.4	100.2	100.2	100.0

#### Appendix table 7. Harmonised Index of Consumer Prices 2015=100 by commodity groups

Commodity group	2018		The price impact of			
	March		the tax changes per year, percentage			
	HICP	HICP-CT	point			
	Annual change (%)	Annual change (%)				
0 CONSUMER PRICE INDEX	0.9	0.5	0.4			
01 FOOD AND NON-ALCOHOLIC BEVERAGES	2.5	2.5	0.0			
02 ALCOHOLIC BEVERAGES AND TOBACCO	6.1	-0.2	6.3			
03 CLOTHING AND FOOTWEAR	-1.3	-1.3	0.0			
04 HOUSING, WATER, ELECTRICITY, GAS AND OTHER FUELS	1.8	1.7	0.1			
05 FURNISHINGS, HOUSEHOLD EQUIPMENT AND ROUTINE HOUSEHOLD MAINTENANCE	-0.8	-0.8	0.0			
06 HEALTH	1.5	1.5	0.0			
07 TRANSPORT	-1.9	-1.8	-0.1			
08 COMMUNICATION	-1.1	-1.1	0.0			
09 RECREATION AND CULTURE	0.8	0.8	0.0			
10 EDUCATION	1.8	1.8	0.0			
11 RESTAURANTS AND HOTELS	2.4	2.1	0.3			
12 MISCELLANEOUS GOODS AND SERVICES	-1.3	-1.3	0.0			

<sup>1)</sup> HICP=Harmonised Index of Consumer Prices, HICP-CT=Harmonised Index of Consumer Prices at Constant Taxes

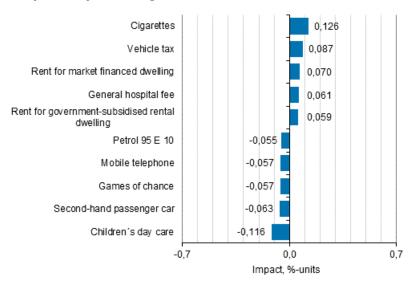
<sup>2)</sup> The price impact of the tax changes per year=The year-on-year change in HICP-CT (tax rate considered in relation to the reference period) is reduced from the year-on-year change in HICP

### Appendix figures

Appendix figure 1. Annual change in the Consumer Price Index and the Harmonised Index of Consumer Prices, January 2001 - March 2018



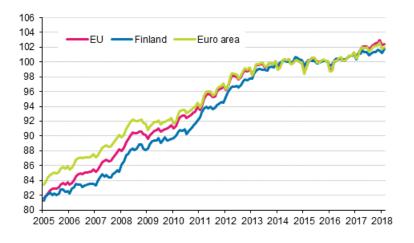
# Appendix figure 2. Goods and services with the largest impact on the year-on-year change in the Consumer Price Index, March 2018



# Appendix figure 3. Annual change in the Harmonised Index of Consumer Prices and the Harmonised Index of Consumer Prices at Constant Taxes, January 2007 - March 2018



## Appendix figure 4. Harmonised Index of Consumer Price Index 2015=100; Finland, euro area and EU





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Prices and Costs 2018

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Source: Consumer Price Index, Statistics Finland