

Table 1 Seasonally Adjusted Indices of Total Retail Sales ¹**Base Year: 2005=100**

Total Retail Sales for all Businesses Combined						
Period	Value of Sales			Volume of Sales		
	Index	% change on previous period	Annual % change	Index	% change on previous period	Annual % change
2006 Year	108.1	8.1	8.1	107.3	7.3	7.3
2007 Year	116.0	7.3	7.3	114.7	6.9	6.9
2008 Year	110.8	-4.5	-4.5	107.7	-6.1	-6.1
2009 Year	90.9	-18.0	-18.0	92.6	-14.0	-14.0
2008 1st quarter	115.4	-2.9	1.1	112.2	-2.1	-1.3
2nd quarter	109.5	-5.1	-5.1	107.2	-4.5	-7.3
3rd quarter	109.0	-0.5	-5.7	106.4	-0.7	-7.6
4th quarter	108.2	-0.7	-9.0	103.8	-2.4	-9.4
2009 1st quarter	87.8	-18.9	-23.9	88.2	-15.0	-21.4
2nd quarter	89.4	1.8	-18.4	92.6	5.0	-13.6
3rd quarter	91.9	2.8	-15.7	94.5	2.1	-11.2
4th quarter	94.5	2.8	-12.7	95.0	0.5	-8.5
2010 1st quarter ²	84.7	-10.4	-3.6	89.2	-6.2	1.1
2009 January	88.2	-18.7	-27.2	83.5	-19.2	-26.8
February	86.9	-1.5	-23.8	89.4	7.2	-20.6
March	88.2	1.5	-21.2	91.0	1.7	-17.4
April	89.2	1.1	-21.7	90.3	-0.7	-17.8
May	88.9	-0.3	-18.7	93.0	2.9	-14.0
June	90.0	1.3	-15.2	94.0	1.2	-9.8
July	91.5	1.6	-19.0	94.4	0.4	-14.6
August	90.9	-0.6	-13.6	93.7	-0.8	-9.1
September	93.1	2.4	-14.5	95.3	1.7	-10.0
October	93.3	0.3	-13.7	94.5	-0.8	-9.3
November	94.3	1.0	-12.7	95.0	0.6	-8.5
December	95.5	1.4	-11.9	95.5	0.5	-7.6
2010 January	81.8	-14.4	-7.2	80.2	-16.0	-3.9
February	84.9	3.8	-2.3	91.8	14.4	2.6
March ²	86.8	2.2	-1.6	94.2	2.6	3.6

¹ Based on Seasonal Patterns up to March 2010² Provisional value and volume of sales indices based on early returns from sample retailers

Table 2 Seasonally Adjusted Indices of Total Retail Sales (Excluding Motor Trades)¹**Base Year: 2005=100**

Total Retail Sales for all Businesses Combined (Excl Motor Trades)						
Period	Value of Sales			Volume of Sales		
	Index	% change on previous period	Annual % change	Index	% change on previous period	Annual % change
2006 Year	108.1	8.1	8.1	107.6	7.6	7.6
2007 Year	115.8	7.1	7.1	115.0	6.9	6.9
2008 Year	114.9	-0.8	-0.8	111.8	-2.8	-2.8
2009 Year	102.1	-11.1	-11.1	104.2	-6.8	-6.8
2008 1st quarter	117.9	-0.5	5.6	114.7	-1.7	2.8
2nd quarter	117.1	-0.7	1.7	113.0	-1.5	-1.4
3rd quarter	113.7	-2.9	-1.9	110.0	-2.7	-4.5
4th quarter	110.3	-3.0	-6.9	108.7	-1.2	-6.9
2009 1st quarter	105.9	-4.0	-10.2	106.0	-2.5	-7.6
2nd quarter	103.1	-2.6	-12.0	104.5	-1.4	-7.5
3rd quarter	101.1	-1.9	-11.1	103.7	-0.8	-5.7
4th quarter	97.6	-3.5	-11.5	101.8	-1.8	-6.3
2010 1st quarter ²	98.6	1.1	-6.9	102.9	1.1	-2.9
2009 January	107.3	-2.1	-9.5	106.8	-1.5	-7.9
February	106.4	-0.8	-9.9	106.5	-0.3	-7.4
March	104.5	-1.9	-10.8	104.9	-1.6	-7.4
April	104.1	-0.4	-12.2	104.9	0.1	-8.5
May	102.0	-2.0	-13.3	103.5	-1.4	-8.9
June	103.2	1.1	-10.7	105.1	1.6	-5.5
July	102.3	-0.9	-11.3	104.6	-0.5	-5.8
August	100.5	-1.8	-10.4	103.0	-1.5	-5.2
September	100.5	0.0	-11.6	103.5	0.5	-6.1
October	98.8	-1.7	-12.1	102.1	-1.4	-6.9
November	96.7	-2.1	-11.3	101.8	-0.2	-5.9
December	97.4	0.7	-11.2	101.5	-0.3	-6.4
2010 January	98.5	1.2	-8.2	102.0	0.5	-4.5
February	98.3	-0.2	-7.6	103.0	1.0	-3.3
March ²	99.0	0.7	-5.3	103.6	0.6	-1.2

¹ Based on Seasonal Patterns up to March 2010² Provisional value and volume of sales indices based on early returns from sample retailers

**Table 3 Seasonally Adjusted¹ Value and Volume Indices of Retail Sales for 13 Retail Businesses
(Preliminary Estimates) Base Year: 2005=100**

Retail Business - NACE REV 2	March 2010					
	Value of Sales			Volume of Sales		
	Index	% change on previous month	Annual % change	Index	% change on previous month	Annual % change
Motor Trades	60.1	-1.4	18.3	62.1	-1.3	21.9
Non-Specialised Stores (excluding Department Stores)	113.5	0.4	-5.2	113.7	0.6	0.1
Department Stores	87.7	-1.2	-3.8	112.1	-1.2	9.6
Food beverages & Tobacco	91.6	2.5	-6.7	90.8	2.8	0.0
Fuel	110.0	7.3	9.8	89.4	3.7	-7.4
Pharmaceuticals Medical & Cosmetic Articles	110.0	0.9	-7.9	120.8	1.4	0.8
Clothing, Footwear & Textiles	86.9	-1.2	-7.1	117.0	0.4	4.8
Furniture and Lighting	75.5	7.8	9.1	95.9	9.3	20.2
Hardware, Paints & Glass	85.7	4.8	-11.2	89.4	6.1	-7.9
Electrical Goods	81.3	-2.3	-5.2	128.1	-0.8	5.6
Books, Newspapers and Stationery	79.7	0.9	-12.6	72.9	1.2	-11.7
Other Retail Sales	97.3	-0.2	5.5	116.7	-0.1	8.4
Bars	81.7	-0.6	-17.9	74.9	-0.3	-15.2
All Businesses excl. Motor Trades	99.0	0.7	-5.3	103.6	0.6	-1.2
All Businesses	86.8	2.2	-1.6	94.2	2.6	3.6
Of which:- <u>Combined Groups</u>						
All Businesses excl Motor Trades & Bars	101.4	0.7	-4.1	109.3	0.1	0.4
Motors & Fuel	69.0	-0.5	15.8	67.9	-0.7	14.0
All Bus. Excl. Motor Trades, Fuel & Bars	101.0	0.3	-5.5	110.9	0.6	1.2
Food Businesses	110.5	-0.2	-5.4	111.9	0.7	0.1
Non-Food (Excl Motor Trades, Fuel & Bars)	91.0	-1.0	-4.5	111.6	0.3	3.7
Household Equipment	83.0	4.2	-6.4	102.9	4.6	0.6
Books, Newspapers Stationery & Other Goods	94.3	0.0	2.2	107.2	0.4	4.5

¹ Based on Seasonal Patterns up to March 2010, individual series are independently adjusted

Table 4 Seasonally Adjusted¹ Value and Volume Indices of Retail Sales for 13 Retail Businesses
Base Year: 2005=100

Retail Business - NACE REV 2	February 2010					
	Value of Sales			Volume of Sales		
	Index	% change on previous month	Annual % change	Index	% change on previous month	Annual % change
Motor Trades	61.0	36.3	25.9	63.0	33.4	29.6
Non-Specialised Stores (excluding Department Stores)	113.1	-3.8	-7.2	113.1	-1.8	-1.6
Department Stores	88.7	2.1	-0.8	113.5	5.8	11.3
Food beverages & Tobacco	89.4	-3.1	-11.5	88.3	-2.2	-4.8
Fuel	102.6	8.6	3.2	86.2	8.4	-10.6
Pharmaceuticals Medical & Cosmetic Articles	109.1	1.3	-9.7	119.1	4.6	-0.5
Clothing, Footwear & Textiles	88.0	-2.2	-8.7	116.6	1.7	2.1
Furniture and Lighting	70.1	10.9	-4.7	87.8	12.0	3.8
Hardware, Paints & Glass	81.7	4.5	-15.6	84.2	3.1	-13.1
Electrical Goods	83.2	3.7	-4.8	129.1	3.4	3.6
Books, Newspapers and Stationery	79.0	-1.0	-15.5	72.0	-1.2	-14.6
Other Retail Sales	97.5	16.5	-2.9	116.7	17.4	4.1
Bars	82.2	-4.9	-15.8	75.2	-4.9	-12.9
All Businesses excl. Motor Trades	98.3	-0.2	-7.6	103.0	1.0	-3.3
All Businesses	84.9	3.8	-2.3	91.8	14.4	2.6
Of which:-						
<u>Combined Groups</u>						
All Businesses excl Motor Trades & Bars	100.7	0.7	-6.6	109.2	4.2	-1.8
Motors & Fuel	69.4	31.6	20.7	68.3	29.8	19.6
All Bus. Excl. Motor Trades, Fuel & Bars	100.7	0.3	-7.5	110.2	1.4	-0.9
Food Businesses	110.7	-4.2	-7.7	111.1	-1.8	-1.8
Non-Food (Excl Motor Trades, Fuel & Bars)	91.9	8.5	-6.7	111.2	9.0	1.0
Household Equipment	79.6	-0.7	-9.8	98.4	1.2	-4.1
Books, Newspapers Stationery & Other Goods	94.3	13.6	-4.9	106.8	14.0	0.6

¹ Based on Seasonal Patterns up to March 2010, individual series are independently adjusted

**Table 5 Seasonally Adjusted¹ Value and Volume Indices of Retail Sales for 13 Retail Businesses
(Preliminary Estimates) Base Year: 2005=100**

Retail Business - NACE REV 2	January-March 2010					
	Value of Sales			Volume of Sales		
	Index	% change on previous period	Annual % change	Index	% change on previous period	Annual % change
Motor Trades	55.7	-10.2	13.2	57.8	-9.1	17.5
Non-Specialised Stores (excluding Department Stores)	114.6	1.2	-5.6	114.0	2.1	-0.3
Department Stores	87.8	3.9	-6.0	111.1	5.6	6.1
Food beverages & Tobacco	91.1	-3.2	-9.4	89.9	-1.2	-2.6
Fuel	103.0	0.2	4.7	85.4	-4.8	-11.2
Pharmaceuticals Medical & Cosmetic Articles	109.0	-1.6	-8.1	118.2	1.0	-0.3
Clothing, Footwear & Textiles	88.2	0.5	-9.8	116.2	2.5	1.3
Furniture and Lighting	70.0	10.2	-2.4	88.0	12.4	6.9
Hardware, Paints & Glass	82.2	-2.0	-14.4	85.4	-0.4	-11.6
Electrical Goods	81.5	4.0	-6.2	127.4	6.0	3.7
Books, Newspapers and Stationery	79.5	-3.9	-13.9	72.6	-3.8	-12.9
Other Retail Sales	93.2	8.6	-3.0	111.4	7.9	1.4
Bars	83.3	-4.9	-15.8	76.3	-3.2	-12.9
All Businesses excl. Motor Trades	98.6	1.1	-6.9	102.9	1.1	-2.9
All Businesses	84.7	-10.4	-3.6	89.2	-6.2	1.1
Of which:- <u>Combined Groups</u>						
All Businesses excl Motor Trades & Bars	100.8	1.6	-6.0	107.9	2.9	-1.6
Motors & Fuel	64.1	-11.8	11.1	63.3	-11.8	10.5
All Bus. Excl. Motor Trades, Fuel & Bars	100.7	1.5	-7.0	110.0	2.7	-0.5
Food Businesses	112.1	0.6	-6.0	112.0	1.9	-0.4
Non-Food (Excl Motor Trades, Fuel & Bars)	89.3	3.5	-7.7	108.5	5.0	-0.1
Household Equipment	81.1	2.3	-9.3	99.8	4.0	-3.0
Books, Newspapers Stationery & Other Goods	90.8	6.7	-5.0	102.9	6.1	-1.4

¹ Based on Seasonal Patterns up to March 2010, individual series are independently adjusted

Table 6**Volume of retail trade in the euro-zone, the EU27 and Member States¹
Annual % change compared with the same month of the previous year**

	Oct-09	Nov-09	Dec-09	Jan-10	Feb -10	Mar -10 ²
Austria	4.4	-0.3	3.4	1.8	3.5	2.5
Belgium	4.5	3.6	1.4	-3.1	-5.4	-2.1
Finland	-2.4	0.7	1.3	-0.9	1.3	7.4
France	2.1	0.6	3.2	1.7	1.4	-2.0
Germany	-1.3	-2.6	-1.4	-1.7	-0.4	-2.6
Greece	-15.4	-11.0	-0.2	6.0	1.7	c
Ireland	-6.6	-5.4	-6.1	-3.9	-1.8	0.4
Italy	-0.2	-0.8	0.2	-0.2	0.4	c
Luxembourg	4.7	10.1	10.3	:	:	:
Netherlands	-5.1	-4.5	-4.7	-2.6	-4.1	c
Portugal	-1.4	-2.2	4.5	0.1	1.1	1.2
Slovenia	-12.9	-13.5	-7.0	-8.2	-4.9	-1.7
Slovakia	-10.3	-9.8	-9.3	-3.0	-2.9	0.2
Spain	-3.8	-6.7	-2.7	-3.1	-1.6	1.7
Cyprus	-4.4	-4.2	-2.0	-4.2	-4.0	c
Malta	-3.9	-2.7	1.3	4.4	3.1	:
EA16	-1.1	-2.1	0.1	-0.6	-0.2	-0.1
Denmark	-1.7	-3.8	-0.8	-4.0	-2.1	4.4
Sweden	2.7	1.3	2.1	1.4	0.7	2.8
United Kingdom	3.8	3.0	1.4	-2.2	2.5	2.5
Czech Republic	-1.5	-3.6	0.0	-3.2	-2.5	c
Estonia	-18.6	-21.2	-16.0	-9.0	-7.7	-7.0
Latvia	-28.6	-30.1	-30.1	-16.4	-13.5	-7.4
Lithuania	-24.7	-27.5	-26.7	-16.8	-16.9	-10.6
Hungary	-7.6	-7.8	-7.4	-5.7	-4.2	c
Poland	-0.2	1.0	0.6	-3.7	-5.8	-2.7
Bulgaria	-8.9	-10.3	-12.1	-12.9	-11.9	-11.6
Romania	-10.2	-8.9	-7.6	-11.4	-8.2	-4.3
EU27	-0.5	-1.3	0.0	-1.3	-0.2	0.3

: Data not available,

¹ Data NACE 47 : All Business excluding Motor Trades & Bars² Data for Ireland is March 2010 provisional data

c Confidential

Source: Eurostat

Background Notes

Retail Sales Index	<p>Introduction of updated series with base year 2005 = 100.</p> <p>An updated Retail Sales Index (RSI) was introduced in the February 2009 release. The underlying methodology remains unchanged. The index is primarily intended to measure short-term trends. For long term analysis allowance must be made for the fact that the series does not reflect changes in retail structures between updates.</p>
Reference Period	<p>The February 2010 period covers the 5 weeks from 24/01/10 to 27/02/10 and the March 2010 period covers the 5 weeks from 28/02/10 to 03/04/10.</p>
New Base Year	<p>The set of new monthly retail sales indices has been compiled with reference to base year 2005 = 100. The underlying structural weighting system is mainly based on the 2005 Annual Services Inquiry. Weights are updated from year to year using ratios of average weekly turnover by size class within business type.</p>
Scope and Coverage	<p>The Retail Sales Index covers, on a sample basis, the retail sales of retail businesses, wholesale businesses with sizeable retailing activity and the separate sales establishments of non-distribution enterprises. Excluded from the index coverage are the direct retail sales from non-distribution establishments together with the incidental retail sales of wholesale businesses. Also excluded are sales by hawkers, street stalls and other retailing activities not conducted from permanent business premises. The statistical unit used for reporting sales figures in this inquiry is the enterprise (i.e. complete business covering all branches).</p>
Methodology	<p>The business categories are based mainly on the Statistical Classification of Economic Activities in the European Community (NACE Rev. 2). The index system is structured on the retailing enterprises covered in the 2005 Annual Services Inquiry classified by 13 retail business categories and four turnover (excluding VAT) ranges.</p> <p>The value indices are calculated by updating the aggregate 2005 retail turnover (including VAT) of these enterprises in these cells using the monthly retail sales data provided by the enterprise respondent panel from 2005 onwards.</p> <p>The compilation of the index for a current month is based on the percentage change in average weekly sales in these cells over the corresponding monthly period of the previous year. The monthly volume indices are calculated by deflating the seasonally unadjusted value indices by specially constructed retail price indices derived from the Consumer Price Index (CPI). A copy of the Retail Sales Index methodology is available on our website (www.cso.ie).</p>
Seasonal Adjustment	<p><i>All Retail Sales “unadjusted” series are trading day adjusted as they are based on either a standardised four or five week reporting period (see reference period note above). Seasonal adjustment is conducted using the direct seasonal adjustment approach. Under this approach each individual series is independently adjusted, e.g. aggregate series are adjusted without reference to the component series. Each individual seasonally adjusted series is calculated based on unadjusted data spanning from January 2000 to the current period.</i></p> <p>The adjustments are completed by applying the X-12-ARIMA model, developed by the U.S. Census Bureau to the unadjusted data. This methodology estimates seasonal factors while also taking into consideration factors that impact on the quality of the seasonal adjustment such as:</p> <ul style="list-style-type: none"> • Calendar effects, e.g. the timing of Easter, • The phase shift effect, i.e. the fact the reporting period of the RSI does not coincide with the calendar month and • Outliers, temporary changes and level shifts in the series. <p>For additional information on the use of X-12-ARIMA see (Findley, D.F., B.C. Monsell, W.R. Bell, M.C. Otto, and B. Chen (1998), “New Capabilities and Methods of the X-12-Arima Seasonal Adjustment Program”, <i>Journal of Business & Economic Statistics</i>, 16, pp. 127-177.) and www.census.gov/srd/www/x12a/.</p>
References	<p>A detailed description of the Retail Sales Index is available on the CSO website www.cso.ie. Retrospective details for the current and previous series are also available on the CSO website.</p>