

Guernsey Quarterly Inflation Bulletin

31st March 2016 - Issue date 15th April 2016



POLICY COUNCIL

THE STATES OF GUERNSEY

1.1 Introduction

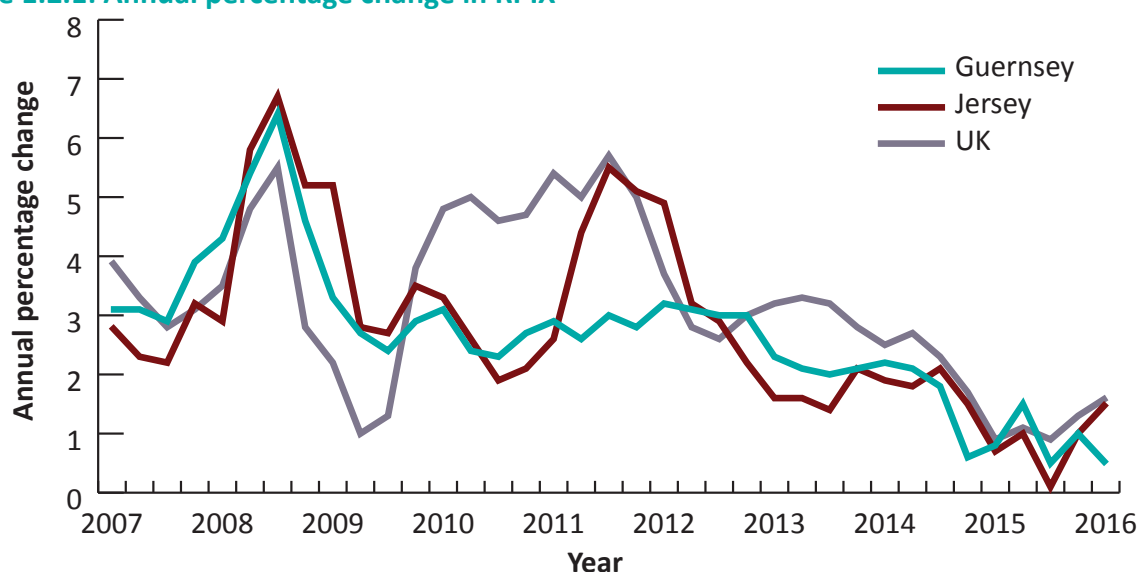
The Guernsey RPIX and RPI are measures of inflation. They measure the change in the prices of goods and services bought for the purpose of consumption or use by households in Guernsey. The indices are published quarterly by the States of Guernsey Policy and Research Unit. The calculations of the RPIX and RPI are based on the price change of items within a 'shopping basket'. Whilst some prices rise over time, others will fall or fluctuate and the indices represent the average change in these prices.

This is the sixth Bulletin to present Guernsey inflation figures calculated using the updated shopping basket and weights, which resulted from the 2012-13 Household Expenditure Survey.

1.2 Headlines

- Guernsey's annual inflation as measured by the RPIX ('core' inflation excluding mortgage interest payments) was 0.5% in March 2016. This is 0.5 percentage points lower than in December 2015 and 0.3 percentage points lower than in March 2015.
- The equivalent RPIX figure for March 2016 for the UK was 1.6% and for Jersey was 1.5%.
- Fares and other travel costs made the largest positive contribution (0.3 percentage points) to the annual change in the RPIX for the year ending in March 2016. Ten of the fourteen groups contributed increases to the overall change.
- The 'all items' RPI annual inflation was 0.5% in March 2016, which is 0.6 percentage points lower than the previous quarter and 0.8 percentage points lower than in March 2015.
- The equivalent RPI figure for March 2015 for the UK was 1.6% and for Jersey was 1.6%.

Figure 1.2.1: Annual percentage change in RPIX



2.1 RPIX overview

Table 2.1.1: RPIX overview

		Annual % change	Quarterly % change	Index (1998 base)
2013	Mar	2.3	1.0	158.0
	Jun	2.1	0.1	158.2
	Sep	2.0	0.7	159.2
	Dec	2.1	0.2	159.6
2014	Mar	2.2	1.1	161.4
	Jun	2.1	0.1	161.5
	Sep	1.8	0.4	162.1
	Dec	0.6	-0.9	160.6
2015	Mar	0.8	1.3	162.7
	Jun	1.5	0.8	163.9
	Sep	0.5	-0.7	162.8
	Dec	1.0	-0.3	162.3
2016	Mar	0.5	0.8	163.5

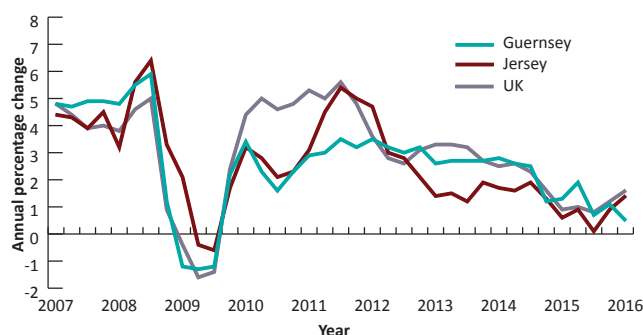
The annual change in the RPIX was 0.5% at the end of March 2016, 0.5 percentage points lower than the previous quarter and 0.3 percentage points lower than March 2015 (see [Table 2.1.1](#) and [Figure 1.2.1](#)).

The quarterly change in the RPIX was 0.8% during the three month period ending March 2016, 0.5 percentage points lower than during the same period in 2015 and 1.1 percentage points higher than the previous quarter. Quarterly changes in the RPIX are subject to seasonal variations in price level and are typically higher in the first and third quarters of each year than in the second and fourth quarters.

The annual change in the UK RPIX was 1.6% at the end of March 2016. The annual change in the Jersey RPIX was 1.5%.

2.2 RPI Overview

Figure 2.2.1: Annual changes in RPI



The annual change in the RPI was 0.5% in March 2016, which is 0.6 percentage points lower than the previous quarter and 0.8 percentage points lower than in March 2015 (see [Figure 2.2.1](#) and [Table 2.2.1](#)).

The annual change in the UK RPI was 1.6% at the end of March 2016. The annual change in the Jersey RPI was 1.4%.

The quarterly change in the RPI for the quarter ending in March 2016 was 0.7%, which is 0.6 percentage points lower than the change seen during the quarter ending in March 2015 and 1.0 percentage points higher than the previous quarter. Similar to the RPIX, quarterly changes in the RPI are subject to seasonal variation. However, the RPI can be dominated by trends in mortgage interest payments.

Table 2.2.1: RPI overview

		Annual % change	Quarterly % change	Index (1999 base)
2013	Mar	2.6	1.1	155.3
	Jun	2.7	0.4	155.9
	Sep	2.7	0.7	157.0
	Dec	2.7	0.5	157.8
2014	Mar	2.8	1.2	159.6
	Jun	2.6	0.2	159.9
	Sep	2.5	0.6	160.9
	Dec	1.2	-0.8	159.6
2015	Mar	1.3	1.3	161.7
	Jun	1.9	0.8	163.0
	Sep	0.7	-0.6	162.0
	Dec	1.1	-0.4	161.4
2016	Mar	0.5	0.7	162.5

3.1 Group analysis - annual

Figure 3.1.1 shows the annual percentage change in each of the fourteen RPI and RPIX groups. **Figure 3.1.2** shows the number of percentage points contributed to the annual change in the indices by each group. Only the Housing group shows a different percentage change between the RPIX and RPI, as a result of the exclusion of the mortgage interest item in the calculation of the RPIX. However, due to differences in the weightings the contribution made by each group to the RPI and RPIX can differ.

In the year ending March 2016, ten of the fourteen groups increased and four decreased. The Fares and other travel costs group saw the largest annual increase at 5.7%, contributing 0.3 percentage points to the overall RPIX change. The Fuel and light group showed the largest decrease at -6.9%, contributing -0.3 percentage points overall.

Figure 3.1.1: Annual percentage change

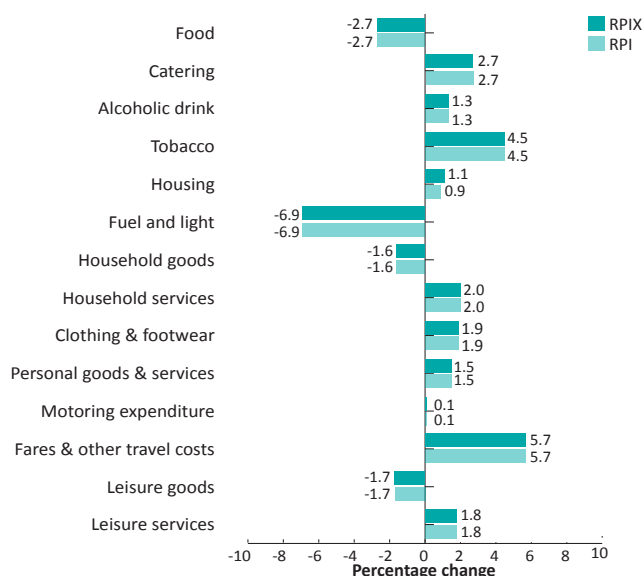
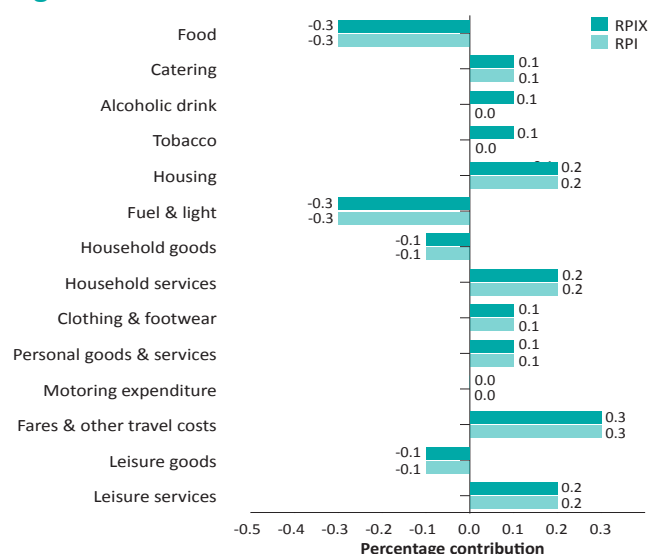


Figure 3.1.2: Annual contribution



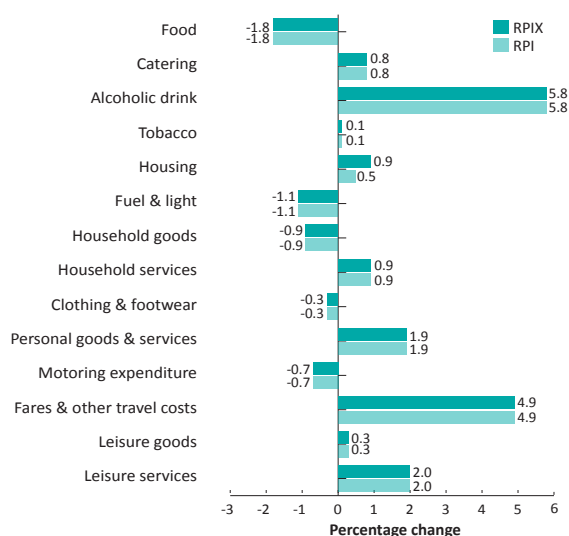
NB: Due to the effects of rounding, any values of less than 0.05 will appear as 0.0.

Table 3.1.1: Group weighting

Items included		RPIX	RPI
Food	Food and non-alcoholic drink bought for home consumption.	12%	11%
Catering	Food purchased in restaurants, at work, from takeaways, etc.	4%	4%
Alcoholic drink	Wine, beer, spirits and other alcoholic drinks.	4%	4%
Tobacco	Cigarettes, cigars and other tobacco products.	1%	1%
Housing	Interest paid on mortgages (for RPI only), rents, parish rates and routine household maintenance and servicing costs.	18%	22%
Fuel & light	Goods and services for the provision of light, heat and power in the home e.g. gas, oil and electricity.	5%	5%
Household goods	Non-food items for the household including house and garden furniture, carpets, curtains and bedding.	7%	6%
Household services	Services enlisted for the household such as contents insurance, domestic appliances, postal and telecoms.	11%	10%
Clothing & footwear	Adults' and children's clothing and footwear.	3%	3%
Personal goods & services	Goods and services for personal use such as jewellery, cosmetics and toiletries plus medical expenses.	8%	7%
Motoring expenditure	Vehicle purchase, running and maintenance costs, including motor fuel.	8%	8%
Fares & other travel costs	Air and sea passenger fares and other travel related costs.	5%	5%
Leisure goods	Goods for sports, hobbies and entertainment including electronic goods, sporting and gardening equipment.	4%	4%
Leisure services	Services purchased for leisure activities including foreign holidays, cinema tickets and sporting activities.	11%	10%

3.2 Group analysis - quarterly

Figure 3.2.1: Quarterly percentage change

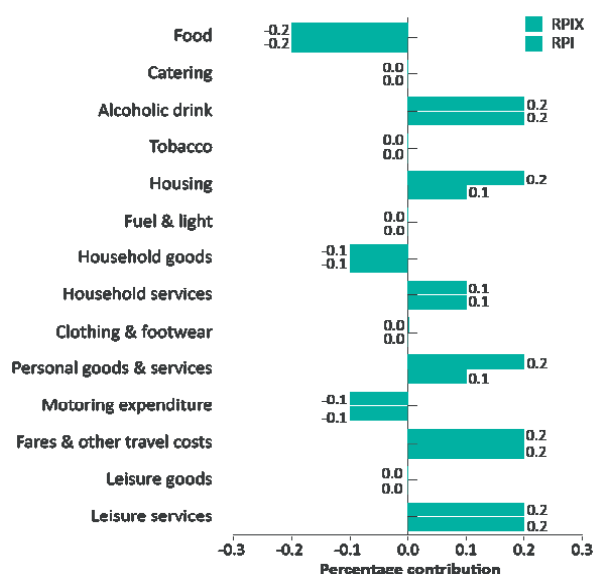


Nine of the fourteen RPIX (and RPI) groups saw an average price increase in the three months ending in March 2016 (**Figure 3.2.1**).

The largest percentage increase (5.8%) came from the Alcoholic drink group, making a contribution of 0.2 percentage points to the quarterly changes in the RPI and the RPIX. (**Figure 3.2.2**). This was followed by the Fares and other travel costs group which, with an increase of 4.9%, also contributed 0.2 percentage points to the overall quarterly change.

The largest percentage decrease (1.8%) was seen in the Food group which made a contribution of -0.2 percentage points to the overall quarterly change.

Figure 3.2.2: Quarterly contribution



The Housing group, which has the highest weighting in both indices, made a contribution of 0.2 and 0.1 percentage points to the quarterly change in the RPIX and RPI respectively.

Section 3.2 on the opposite page provides further details of the changes by group over the quarter.

NB: Due to the effects of rounding, any values of less than 0.05 will appear as 0.0.

3.2 Group analysis - quarterly

Within each group, specific items can be identified as having an upward or downward effect on the Index. Details are given below. The figures presented in brackets are the quarterly changes for each group.

Food (-1.8%)

Various reductions and special offers on items including sweets, frozen pizzas, fizzy drinks and crisps were only partially offset by increases in the prices of milk and some vegetables.

Catering (0.8%)

The increase in this category is attributable to some in-store cafeteria meals and some small increases in on board catering.

Alcoholic drink (5.8%)

Duty increases, which came into effect from 1st January 2016, have influenced this increase, along with the cessation of a number of seasonal special offers.

Tobacco (0.1%)

This slight increase is due to higher prices charged by a small number of retailers.

Housing (0.9% RPIX, 0.5% RPI)

Higher dwelling insurance premiums, along with rises in TRP and social rents, have led to the increase in this category this quarter. A small decrease in mortgage interest payments (excluded in the RPIX) exerted downward pressure on the RPI.

Fuel and light (-1.1%)

Lower oil prices have been the major contributor to this decrease this quarter, with a further small negative contribution from some lower gas prices.

Household goods (-0.9%)

Decreases in the prices of some dining room and bedroom furniture items have been only partially offset by increases in the prices of some electronic personal appliances.

Household services (0.9%)

The upward movement in this category is largely due to increases in fees charged for solicitors' services including house conveyancing, along with higher driving test fees.

Clothing and footwear (-0.3%)

Some seasonal range changes, along with some end of season sales, have caused this small decrease.

Personal goods and services (1.9%)

This change is due to higher prices on some toiletries, as well as increases in ambulance call out fees, private dental examinations, subscriptions to private medical plans and higher doctors' charges.

Motoring expenditure (-0.7%)

This decrease is driven by lower petrol prices, as well as some labour charges for vehicle repairs.

Fares and other travel goods (4.9%)

Higher ferry and sea fares have been only slightly offset by a fall in air fares.

Leisure goods (0.3%)

Higher prices of gas barbecues have been largely offset by lower prices of PCs, books and computer games.

Leisure services (2.0%)

This increase is attributable to higher costs of hotel accommodation.

4.1 Cumulative changes, reflation factors and indices

Table 4.1.1: RPIX cumulative changes and reflation factors for the period ending 31st March 2016

	Cumulative % change	Reflation factor
3 months	0.8	1.01
6 months	0.4	1.00
9 months	-0.3	1.00
12 months	0.5	1.00
15 months	1.8	1.02
18 months	0.9	1.01
2 years	1.3	1.01
3 years	3.5	1.04
4 years	5.9	1.06
5 years	9.3	1.09
10 years	28.8	1.29

Table 4.1.2: RPI cumulative changes and reflation factors for the period ending 31st March 2016

	Cumulative % change	Reflation factor
3 months	0.7	1.01
6 months	0.3	1.00
9 months	-0.3	1.00
12 months	0.5	1.00
15 months	1.8	1.02
18 months	1.0	1.01
2 years	1.8	1.02
3 years	4.6	1.05
4 years	7.3	1.07
5 years	11.1	1.11
10 years	28.3	1.28

Table 4.1.3: RPIX Index figures at 31st March 2016

Year of base	Index
1998	163.5
2008	117.3
2014	100.9

Table 4.1.4: RPI Index figures at 31st March 2016

Year of base	Index
1949	3546.6
1965	2071.6
1974	1142.6
1978	553.0
1983	348.3
1988	260.6
1994	192.9
1999	162.5
2008	114.8
2014	101.0

Indices are used to calculate the change in prices over time. The headline annual inflation in RPIX or RPI is the percentage change in the index over a year. However, it is possible to calculate percentage changes over longer periods of time.

There is an [inflation calculator](http://www.gov.gg/rpi) on our website (www.gov.gg/rpi) which you can use to calculate the percentage change in the RPI between any two quarters from 1949 onwards. The inflation calculator can also calculate the reflation value of a monetary sum (e.g. a rental payment) over the specified period.

The effect of inflation is to erode the purchasing power of currency. The reflation factors in [Tables 4.1.1](#) and [4.1.2](#) can be used to inflate old values to approximate current prices.

To convert a price, multiply it by the appropriate reflation factor. For example, using RPIX reflation factors, £100 in March 2006 is equivalent to £100 x 1.29 = £129 in March 2016.

Reflation factors can also be used in the opposite way. To calculate what £100 in 2016 would have been worth in 2006, divide by the relevant reflation factor.

When making long-term comparisons, it should be taken into account that the 'shopping basket' may have changed over time, since households may not be spending money on the same products as they did in the past.

Following each Household Expenditure Survey the index is rebased (i.e. set to 100). [Tables 4.1.3](#) and [4.1.4](#) show the index value for the current quarter for each year of base, including the new index, revised to 100 in September 2014. Full time series of index figures for each base are available on our website (www.gov.gg/rpi).

5.1 UK and Jersey inflation rates

Table 5.1.1 and **Table 5.1.2** show the comparable RPIX and RPI inflation rates reported by the UK Office of National Statistics¹ and the States of Jersey Statistics Unit². There may be differences in the methodology used to calculate inflation and care should be taken when comparing figures from different jurisdictions.

Typically inflation in the three jurisdictions follows broadly the same trends. However, it should be noted that changes in taxation and other circumstances specific to a particular jurisdiction may have a significant impact on inflation. For example, the introduction of the Goods and Services Tax in Jersey in 2008 exerted an upwards pressure on both RPIX and RPI which was not experienced in either Guernsey or the UK. Similarly the temporary reduction of the UK VAT rate to 15% in 2009, its return to 17.5% in 2010, and the subsequent increase to 20% in 2011, will have influenced inflation in the UK but had little impact in Guernsey and Jersey.

The higher cost of housing experienced in Guernsey and Jersey compared with the UK, and the resultant higher weighting of housing in the inflation rates of the islands, means that changes in the cost of housing typically exert more inflationary pressure in Guernsey and Jersey than in the UK. Differences in spending patterns in other areas, such as travel and motoring, will also affect the relative effect of price changes on the indices.

Table 5.1.1: Annual change in RPIX in Guernsey, the UK and Jersey

		Guernsey	UK	Jersey
2011	Mar	2.9	5.4	2.6
	Jun	2.6	5.0	4.4
	Sep	3.0	5.7	5.5
	Dec	2.8	5.0	5.1
2012	Mar	3.2	3.7	4.9
	June	3.1	2.8	3.2
	Sep	3.0	2.6	2.9
	Dec	3.0	3.0	2.2
2013	Mar	2.3	3.2	1.6
	Jun	2.1	3.3	1.6
	Sep	2.0	3.2	1.4
	Dec	2.1	2.8	2.1
2014	Mar	2.2	2.5	1.9
	Jun	2.1	2.7	1.8
	Sep	1.8	2.3	2.1
	Dec	0.6	1.7	1.5
2015	Mar	0.8	0.9	0.7
	Jun	1.5	1.1	1.0
	Sep	0.5	0.9	0.1
	Dec	1.0	1.3	1.0
2016	Mar	0.5	1.6	1.5

Table 5.1.2: Annual change in RPI in Guernsey, the UK and Jersey

		Guernsey	UK	Jersey
2011	Mar	2.9	5.3	3.1
	Jun	3.0	5.0	4.5
	Sep	3.5	5.6	5.4
	Dec	3.2	4.8	5.0
2012	Mar	3.5	3.6	4.7
	Jun	3.2	2.8	3.0
	Sep	3.0	2.6	2.8
	Dec	3.2	3.1	2.1
2013	Mar	2.6	3.3	1.4
	Jun	2.7	3.3	1.5
	Sep	2.7	3.2	1.2
	Dec	2.7	2.7	1.9
2014	Mar	2.8	2.5	1.7
	Jun	2.6	2.6	1.6
	Sep	2.5	2.3	1.9
	Dec	1.2	1.6	1.3
2015	Mar	1.3	0.9	0.6
	Jun	1.9	1.0	0.9
	Sep	0.7	0.8	0.1
	Dec	1.1	1.2	0.9
2016	Mar	0.5	1.6	1.4

¹ www.statistics.gov.uk

² www.gov.je/statistics

6.1 Methodology

The calculations of the RPIX and RPI are based on the price change of items within a 'shopping basket'. Whilst a single household's shopping basket may contain anywhere in the region of one to several hundred items, the 'basket' of goods and services used in the calculation contains over 1,700 items. This list of goods and services remains consistent every quarter in order to measure price changes over time.

Every household in the island spends its income in different ways so it is impractical to monitor changes in the price of every single item on sale. Therefore, the Indices contain a representation of what 'typical' consumers in a Guernsey household spend their money on. They should not be confused with a 'cost of living' index, which will vary according to individual expenditure.

The methodology is continuously monitored and is periodically audited and updated to ensure it remains accurate and representative. The results of the latest review were first incorporated in the December 2014 inflation results. The Guide to the Guernsey Inflation Indices, which is available online at www.gov.gg/rpi, provides more detail on the recent changes along with information regarding the methodology, calculation and uses of the inflation indices.

The main source of information for the periodic review is the Household Expenditure Survey. The results of the 2012-13 Survey are now available from www.gov.gg/hes. The Survey is due to be repeated in 2017.

7.1 Contact details and further information

For more information on how the RPIX and RPI are calculated please see the Guide to the Guernsey Retail Prices Indices, which, along with the Inflation Calculator, is available via www.gov.gg/rpi.

Please contact the Policy and Research Unit for further information.

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The next inflation bulletin (for June 2016) will be published at 9:30am on Friday 15th July 2016.