

Consumers Price Index: June 2011 quarter

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Highlights

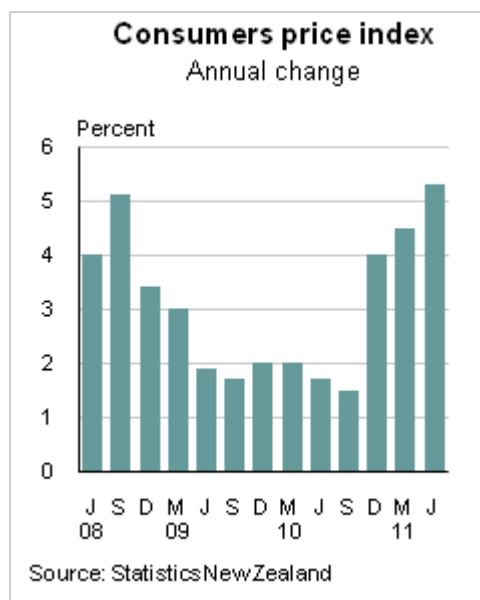
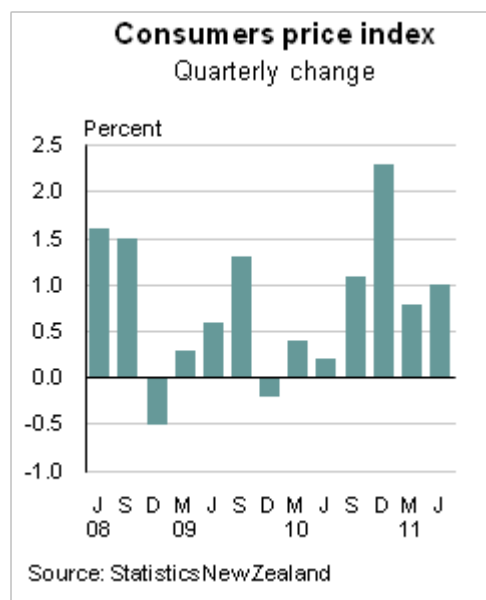
In the June 2011 quarter compared with the March 2011 quarter:

- The consumers price index (CPI) rose 1.0 percent.
- The main upward contribution came from transport (up 2.7 percent), reflecting higher prices for petrol and airfares.
- Food prices rose 1.1 percent, with higher prices for grocery food and vegetables.
- Housing and household utility prices rose 0.9 percent, with higher prices for electricity.

From the June 2010 quarter to the June 2011 quarter:

- The CPI increased 5.3 percent, including a 2.3 percent increase in the December 2010 quarter when GST rose from 12.5 to 15 percent.
- If June 2011 quarter prices had been processed with a GST rate of 12.5 percent, the CPI would have risen 3.3 percent for the year to the June 2011 quarter. See the end of the commentary for more information.

The CPI measures the rate of price change of goods and services purchased by households. Statistics NZ visits 3,000 shops around New Zealand to collect prices for the CPI and check product sizes and features.



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Commentary

Consumers price index quarterly movement

The consumers price index (CPI) rose 1.0 percent in the June 2011 quarter. This follows rises of 0.8 percent in the March 2011 quarter and 2.3 percent in the December 2010 quarter (when goods and services tax (GST) rose from 12.5 to 15 percent), respectively.

Nine groups rose in the June 2011 quarter, with transport (up 2.7 percent), food (up 1.1 percent), and housing and household utilities (up 0.9 percent) being the most significant contributors.

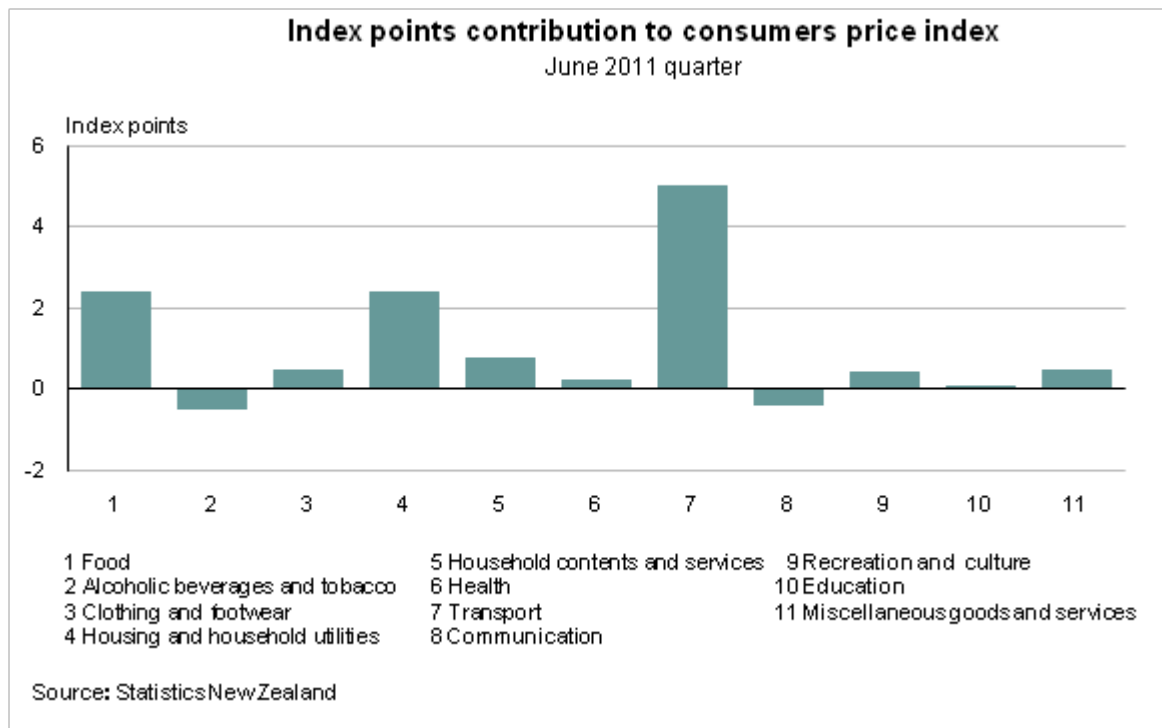
Two groups recorded falls, with alcoholic beverages and tobacco down 0.6 percent and communication down 1.2 percent.

The most significant individual upward contributions came from higher prices for petrol (up 4.0 percent), electricity (up 2.7 percent), international air fares (up 6.8 percent), and tomatoes (up 63.6 percent).

The most significant downward contributions came from lower prices for fruit (down 9.2 percent) and alcoholic beverages (down 0.8 percent).

Consumers price index groups: June 2011 quarter		
Group	Index points contribution to CPI	Quarterly percentage change
Transport	5.02	2.7
Food	2.40	1.1
Housing and household utilities	2.39	0.9
Household contents and services	0.76	1.4
Miscellaneous goods and services	0.44	0.6
Clothing and footwear	0.44	0.9
Recreation and culture	0.40	0.4
Health	0.22	0.3
Education	0.02	0.1
Communication	-0.40	-1.2
Alcoholic beverages and tobacco	-0.47	-0.6
All groups CPI	11.22	1.0

Note: Points contribution may not sum to total due to rounding.



CPI annual movement

The CPI increased 5.3 percent in the year to the June 2011 quarter, following increases of 4.5 percent and 4.0 percent in the years to the March 2011 and December 2010 quarters, respectively. These annual increases include a 2.3 percent increase in the December 2010 quarter when GST rose from 12.5 to 15 percent. If prices collected for the CPI had been processed with GST of 12.5 percent for goods and services that are subject to GST, the CPI would have risen 0.9 percent in the June 2011 quarter and 3.3 percent for the year to the June 2011 quarter. The 5.3 percent increase for the year to the June 2011 quarter is the highest since a 7.3 percent increase in the year to the June 1990 quarter, which included the rise in GST from 10 to 12.5 percent on 1 July 1989.

Nine of the 11 groups in the CPI made upward contributions in the year to the June 2011 quarter.

The most significant upward contributions came from:

- transport (up 11.0 percent)
- food (up 7.0 percent)
- housing and household utilities (up 4.4 percent).

The communication (down 1.4 percent) and clothing and footwear (down 1.0 percent) groups fell.

The most significant upward contributions came from higher prices for petrol (up 20.1 percent), cigarettes and tobacco (up 16.0 percent), electricity (up 7.8 percent), and vegetables (up 19.7 percent).

The most significant individual downward contribution came from lower prices for audio-visual equipment (down 13.7 percent).

Transport

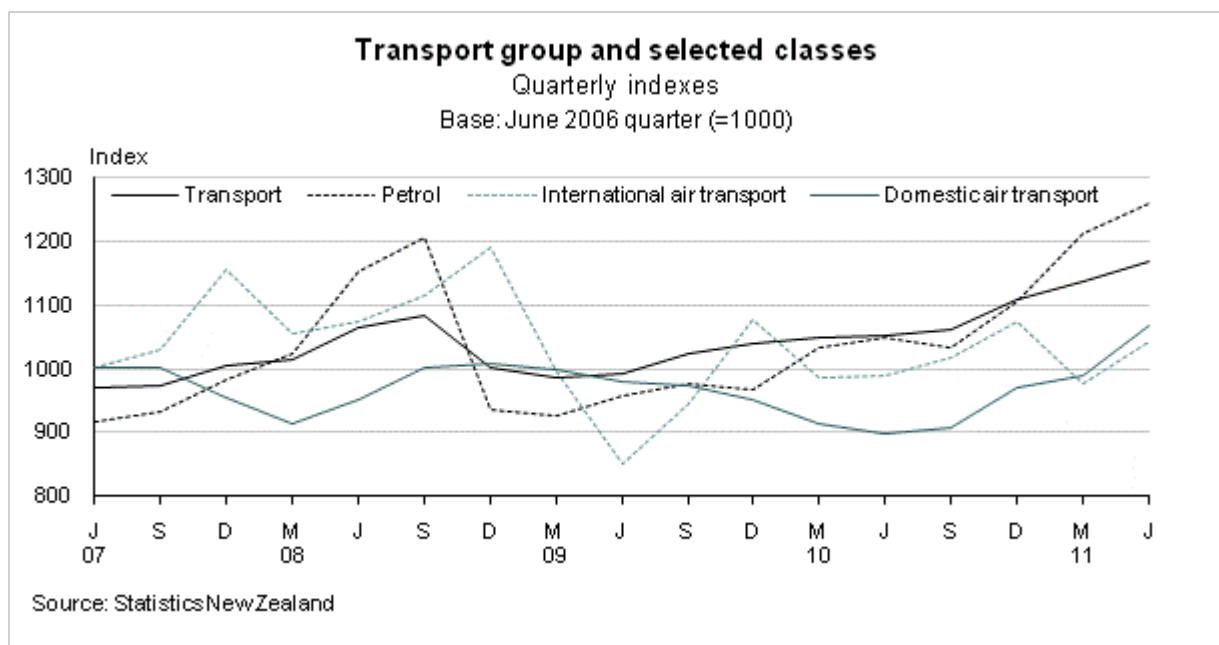
Prices for the transport group rose 2.7 percent in the June 2011 quarter, following 2.5 percent and 4.3 percent rises in the March 2011 and December 2010 quarters, respectively.

The most significant individual upward contributions came from higher prices for petrol (up 4.0 percent), international air transport (up 6.8 percent), purchase of second-hand motor cars (up 2.5 percent), and domestic air transport (up 8.0 percent).

Over the six months to April 2011, petrol prices rose strongly. Petrol prices reached a new peak in early May – slightly above their previous peak in July 2008 – before falling later in May and in June. In the last week of June, petrol prices had fallen to about 2 percent below the average for the June 2011 quarter.

The rise in international air fares was influenced by higher prices for Australian, North American, and Pacific routes. The rise in domestic air fares reflects announced increases that took effect in March and in May, and is the largest since an 8.6 percent increase in the March 2001 quarter.

The transport group increased 11.0 percent from the June 2010 quarter to the June 2011 quarter. The most significant individual upward contributions came from higher petrol prices (up 20.1 percent) and purchase of second-hand motor cars (up 6.6 percent).



Food

Food prices rose 1.1 percent in the June 2011 quarter, following rises of 1.2 percent and 2.1 percent in the March 2011 quarter and the December 2010 quarter, respectively. If food had remained unchanged from the March 2011 quarter, the CPI would have increased 0.8 percent, rather than 1.0 percent.

Four of the five food subgroups made upward contributions in the June 2011 quarter, in particular grocery food (up 1.5 percent) and non-alcoholic beverages (up 3.7 percent).

Restaurant meals and ready-to-eat food (up 0.7 percent), and meat, poultry, and fish (up 0.1 percent) also rose.

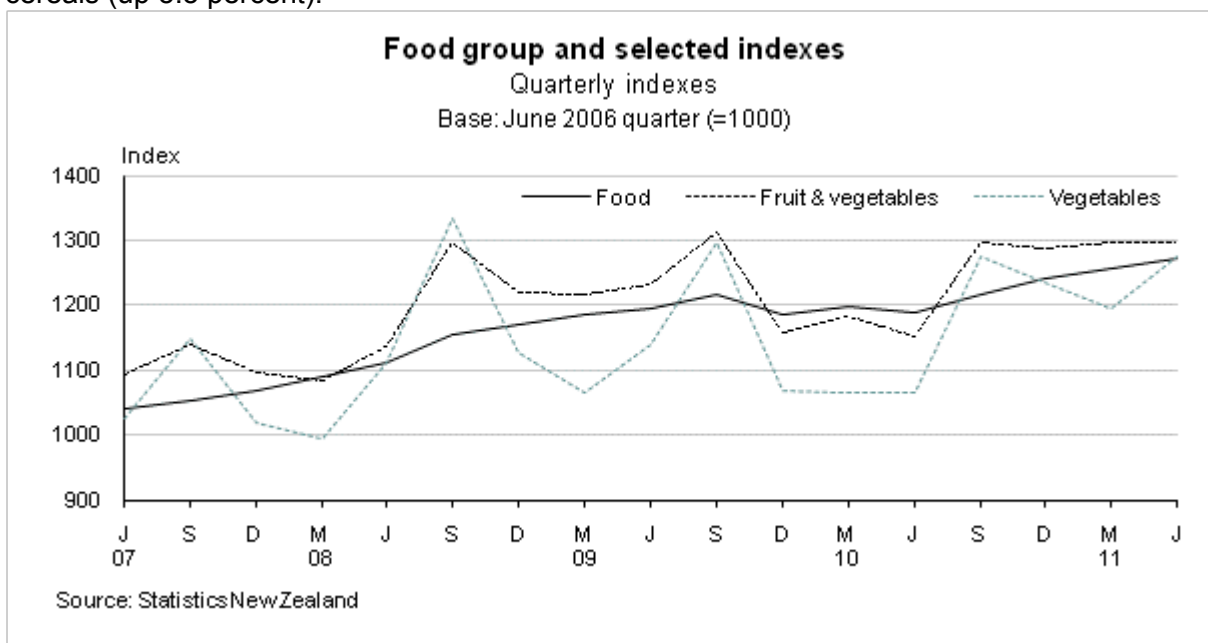
The fruit and vegetables subgroup was flat in the June 2011 quarter. The rise in vegetable prices (up 6.7 percent) was offset by a fall in fruit prices (down 9.2 percent).

The most significant individual upward contribution came from higher prices for tomatoes (up 63.6 percent). Tomato prices usually rise in the June quarter. However, for the June month, tomato prices were influenced by lower imports from Australia after floods in Queensland earlier in 2011. Another upward contribution to the June 2011 quarter came from bread and cereals (up 3.1 percent).

In the year to the June 2011 quarter, the food group increased 7.0 percent. This is the largest annual increase since a 7.5 percent increase in the year to the June 2009 quarter.

All subgroups recorded increases: grocery food (up 6.7 percent), fruit and vegetables (up 12.4 percent), meat, poultry, and fish (up 6.5 percent), restaurant meals and ready-to-eat food (up 4.4 percent), and non-alcoholic beverages (up 7.6 percent).

The most significant upward contributions for the year to the June 2011 quarter came from higher prices for vegetables (up 19.7 percent), meat and poultry (up 7.1 percent), milk, cheese, and eggs (up 8.6 percent), confectionery, nuts, and snacks (up 7.4 percent), and bread and cereals (up 5.5 percent).



Housing and household utilities

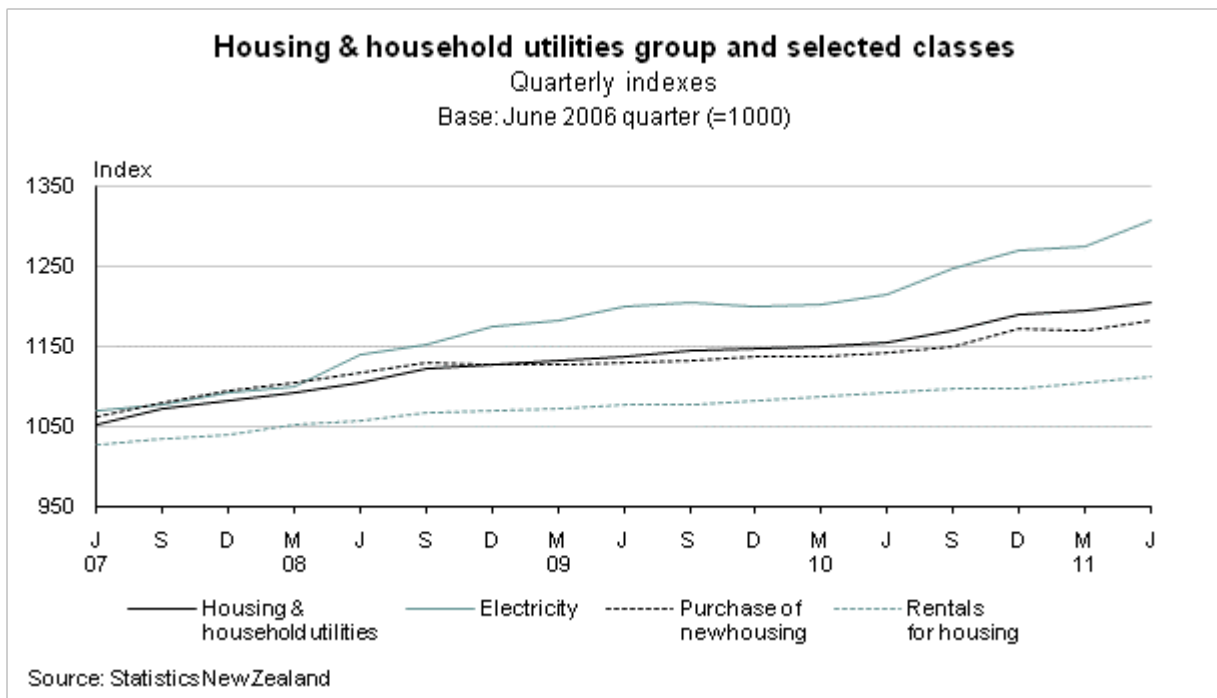
The housing and household utilities group rose 0.9 percent in the June 2011 quarter, following rises of 0.4 percent and 1.6 percent in the March 2011 and December 2010 quarters, respectively.

Within housing and household utilities, the largest upward contribution came from electricity (up 2.7 percent).

Other upward contributions came from the purchase of new housing (up 0.9 percent) and rentals for housing (up 0.5 percent, influenced by rises in Auckland).

The 0.9 percent increase in prices for the purchase of new housing was the largest since a 1.3 percent rise in the September 2008 quarter (other than the 2.0 percent rise in the December 2010 quarter, when GST increased). The latest rise was influenced by increases for Canterbury and the rest of the South Island. Of the respondents who reported price increases for the June 2011 quarter, 60 percent cited an increase in the prices of components as a reason.

In the year to the June 2011 quarter, the housing and household utilities group increased 4.4 percent. The most significant upward contributions came from electricity (up 7.8 percent) and the purchase of new housing (up 3.4 percent).



Remaining groups in the CPI

In the June 2011 quarter, upward movements were also recorded for the following groups:

- household contents and services (up 1.4 percent)
- miscellaneous goods and services (up 0.6 percent)
- clothing and footwear (up 0.9 percent)
- recreation and culture (up 0.4 percent)
- health (up 0.3 percent)
- education (up 0.1 percent).

Combined, these groups contributed 2.27 index points to the overall CPI increase of 11.22 index points.

In the June 2011 quarter, two of the 11 groups recorded downward movements: alcoholic beverages and tobacco (down 0.6 percent), and communication (down 1.2 percent). Combined, these two groups contributed -0.87 index points to the overall CPI increase of 11.22 index points.

Within the household contents and services group, furniture, furnishings, and floor coverings rose 2.0 percent and household textiles rose 4.6 percent. Glassware, tableware, and household utensils rose 5.6 percent, following a 6.6 percent fall in the March 2011 quarter.

The most significant downward contributions within these eight groups came from lower prices for alcoholic beverages (down 0.8 percent), accommodation services (down 5.6 percent), and telecommunication services (down 1.0 percent). The alcoholic beverages movement includes lower prices for wine (down 1.5 percent), and spirits and liqueurs (down 1.1 percent).

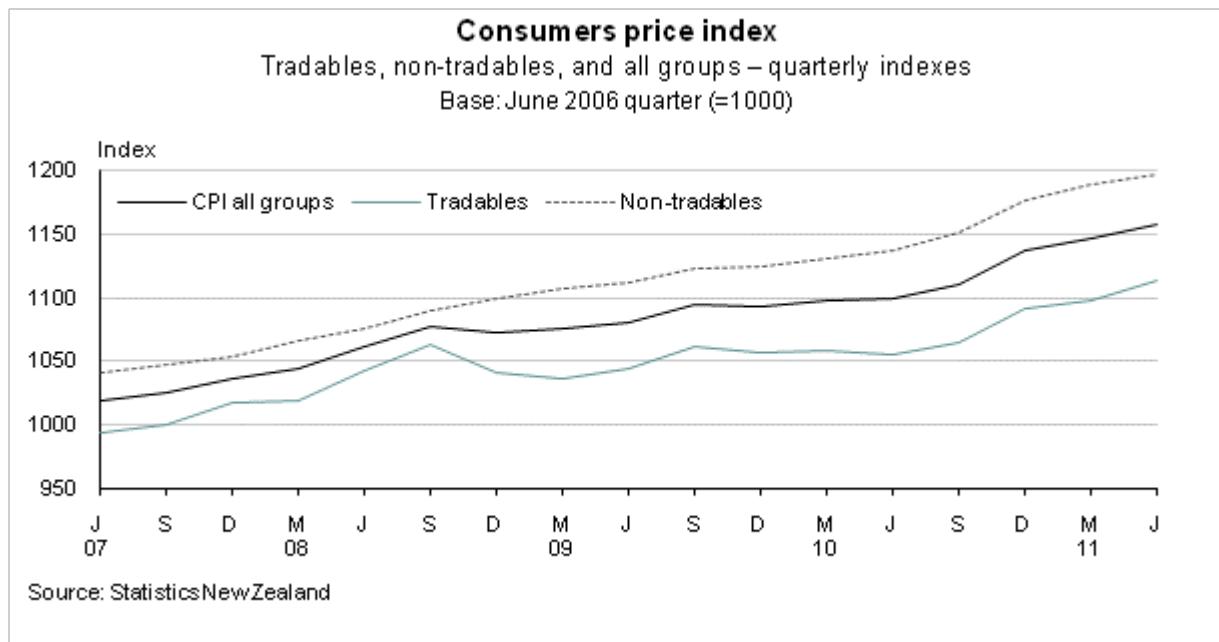
CPI analytical series

In the June 2011 quarter, the tradable component rose 1.5 percent and the non-tradable component rose 0.6 percent.

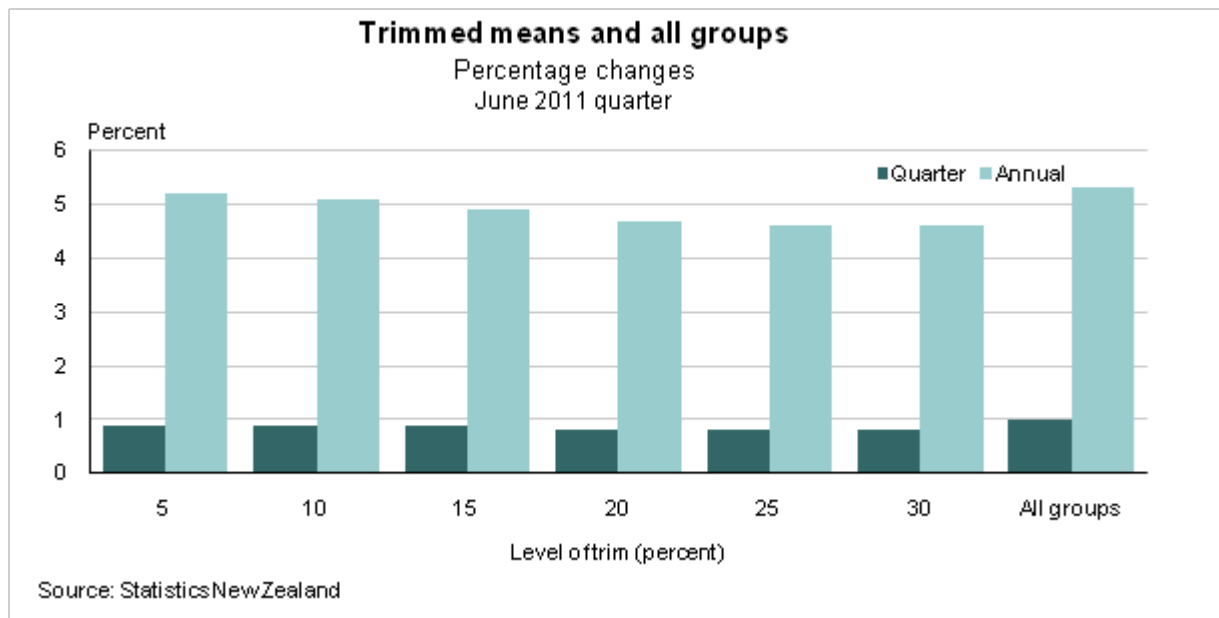
The main contributors to the rise of the tradable component were petrol and food.

The non-tradable component was influenced by rises in electricity, domestic air transport, and the purchase of new housing.

For the year to the June 2011 quarter, the tradable component increased 5.5 percent while the non-tradable component increased 5.2 percent.



In the June 2011 quarter, the trimmed mean measures – which exclude extreme price rises and falls – recorded quarterly rises ranging from 0.8 percent (for the highest trim of 30 percent) to 0.9 percent (for the lowest trim of 5 percent). The annual trimmed mean measures recorded increases of between 4.6 percent and 5.2 percent, which are below the annual increase in the all groups CPI.



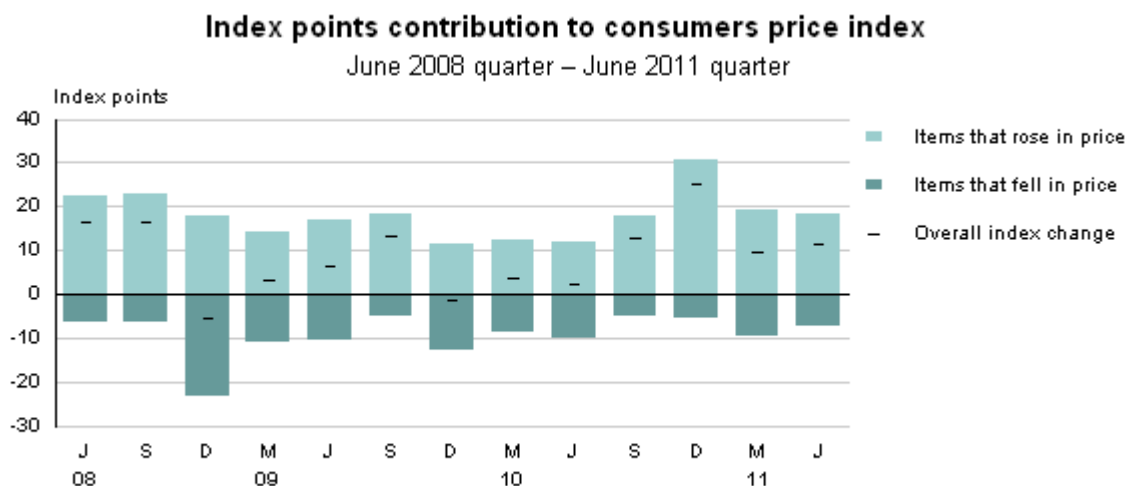
Distribution of item-level movements

The table below outlines the distribution of price movements in the March 2011 and June 2011 quarters. The CPI has been partitioned into national item-level indexes that increased, showed no change, or decreased.

Distribution of item-level index movements		
National item-level index movements	Dec 2010 qtr to Mar 2011 qtr	Mar 2011 qtr to Jun 2011 qtr
Increase in price		
Number of items	340	363
Percentage of all items	49.0	52.3
Percentage of expenditure weight	58.6	65.7
Index points contribution	19.0	18.5
Percentage point contribution	1.7	1.6
Weighted average price increase (%)	2.8	2.5
No change in price		
Number of items	100	93
Percentage of all items	14.4	13.4
Percentage of expenditure weight	10.6	9.2
Decrease in price		
Number of items	254	238
Percentage of all items	36.6	34.3
Percentage of expenditure weight	30.8	25.2
Index points contribution	-9.5	-7.3
Percentage point contribution	-0.8	-0.6
Weighted average price decrease (%)	2.7	2.5

The distribution of item-level movements shows that, in the June 2011 quarter, the number of items that rose in price, and the percentage of the CPI they make up, have increased. The number of items that fell in price, and the percentage of the CPI they make up, have decreased. Both the weighted average price increase and decrease fell in the June 2011 quarter.

The following graph shows the index points contribution of all items that rose in price, all items that fell in price, and the total index points movement.



Source: Statistics New Zealand

The smaller contribution from items that fell in price resulted in a 1.0 percent rise in the CPI for the June 2011 quarter, following a 0.8 percent rise in the March 2011 quarter.

Impact of Christchurch earthquake on the CPI

There was no material impact on the June 2011 quarter CPI price collection from the Christchurch earthquakes in June 2011.

For goods and services prices that are collected quarterly from shops, collection was completed in May. While the June monthly collection of food and non-food grocery prices was put on hold for the remainder of the week following the Monday 13 June earthquakes, pricing was completed on Monday 20 and Tuesday 21 June.

For goods and services prices collected quarterly by postal survey (and posted in early May), the overall response rate for quarterly postal surveys was about 98 percent, which compares well with previous quarters.

Release of the updated CPI for the September 2011 quarter

The release of the September 2011 quarter CPI will be a week later than usual, due to implementing a three-year review of the index.

The September 2011 quarter CPI will be published on 25 October 2011, to allow time to implement changes made as part of the review. The index will incorporate:

- an updated basket of goods and services
- an updated expenditure weighting pattern.

An information paper on the CPI review will be released at a media conference on 10 October 2011. The paper will include:

- the new expenditure weights down to the third level of the expenditure classification

- details of changes made to the basket of representative goods and services.

The information paper will be available on Statistics New Zealand's website and it will be sent to all CPI information release subscribers.

The reweighted food price index (FPI) for July will also be released later than usual, on 25 August 2011. Subsequent CPI and FPI releases will be published at the usual times. Please see Statistics NZ's online [release calendar](#) for information on release dates.

For technical information contact:
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Next release ...

Consumers Price Index: September 2011 quarter will be released on 25 October 2011.

Impact of GST on the CPI

GST rose from 12.5 percent to 15 percent on 1 October 2010. However, the rise in GST was not immediately reflected in the prices of some seasonally available goods and services in the CPI basket. The rise is reflected when prices for these items are next collected. These items make up about 3 percent of expenditure on goods and services in the CPI. Of this 3 percent, nearly half was reflected in the March 2011 quarter CPI, nearly half in the June 2011 quarter, and the remainder will be shown in the September 2011 quarter.

In the June 2011 quarter, the higher rate of GST was reflected for prices of goods such as winter seasonal clothing, heating equipment, and solid fuels.

The table below shows what the quarterly and annual percentage changes would have been had prices collected for the December 2010, and March and June 2011 quarters, been processed with GST of 12.5 percent for goods and services that are subject to GST. The CPI would have risen 0.9 percent in the June 2011 quarter, and 3.3 percent for the year to the June 2011 quarter.

CPI processed with GST at 12.5 percent			
Quarter	Percentage change from previous quarter	Percentage change from same quarter of previous year	Adjusted index number
Dec 2010	0.5	2.1	1116
Mar 2011	0.8	2.6	1125
Jun 2011	0.9	3.3	1135

Care required when using the CPI to adjust monetary values

The CPI is used to adjust monetary values, such as in legislation and contracts. Care is required when using the CPI to adjust monetary values during the year-long period in which the rise in GST is reflected in the CPI. Some goods and services in the CPI are not subject to GST, some are zero-rated for GST purposes (meaning the applicable rate of GST is zero), and the rise in GST was not immediately reflected for all goods and services in the CPI that are subject to GST.

Special care is required when the monetary values being adjusted exclude GST.

It would not be appropriate to adjust prices or monetary values that exclude GST (but which are subject to GST) by the CPI movement during the period in which the increase in GST is reflected in the CPI. This would mean that the GST increase is counted twice.

Another common use of the CPI is to adjust housing rentals. Housing rentals are not subject to GST. Using the CPI to adjust rental values during the period in which the increase in GST is reflected in the CPI would mean that the adjustments would include the overall impact of the GST increase on the CPI.

For further information contact:
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Technical notes

What the consumers price index measures

The consumers price index (CPI) measures the rate of price change of goods and services purchased by households. The CPI all groups index is prepared quarterly. The food group is the only commodity group of the CPI for which an index is prepared each month.

For more [information about the CPI design](#), see the Statistics New Zealand website.

For more information about the basket of goods and services and the sources and methods used to compile individual components of the CPI, please see the [CPI sources and methods articles](#) page on the Statistics NZ website.

Index series available online

To access more data from the CPI series, go to Infoshare at www.stats.govt.nz/infoshare, and choose:

Subject category: **Economic indicators**, then choose: **Consumers Price Index**

The time series can be downloaded in Excel or comma delimited format, where percentage movements can be calculated using the following formula:

$((\text{Index number for later period} - \text{index number for earlier period}) / \text{index number for earlier period}) \times 100$.

More information about Infoshare can be found on our website at www.stats.govt.nz/about-infoshare.

Expression base

The CPI has an expression base of the June 2006 quarter (=1000). Although the composition and relative importance of the CPI basket was reviewed in 2008, the index continues to be published on a base of the June 2006 quarter (=1000).

Additions to the CPI basket at the June 2008 quarter have resulted in the publication of two new indexes at the class level of the New Zealand Household Expenditure Classification (NZHEC). These classes are clothing accessories, and other education. Before the review, expenditure on goods and services within these two classes was allocated to other apparel, and education items, respectively. There is also one new subgroup, for other education. As the two classes and one subgroup are new, they are expressed on a base of the June 2008 quarter (=1000).

Rounding of index numbers and calculation of percentage changes

Published index numbers are rounded to the nearest index point for all periods following the expression base. The rounding of index numbers takes place as the final step before dissemination. That is, the CPI structure is calculated, class to subgroup, subgroup to group, and groups to all groups, and then after that, rounding of index numbers occurs at each level.

Percentage changes are published to one decimal place and are calculated from index numbers rounded to the nearest index point. For comparisons that cross the expression base, rounded index numbers (for the later period) should be compared with unrounded index numbers (for the earlier period).

Information paper on 2008 CPI review

An information paper, published on 7 October 2008, provides detailed information about the 2008 CPI review.

This information paper includes:

- details of changes made to the basket of representative goods and services
- the new CPI expenditure weights
- details of how these weights were derived
- an analysis of the main changes in the weights.

Consumers Price Index – 2008 Review, is available on the Statistics NZ website.

Pricing coverage

Prices are obtained by price collectors from retail outlets in 15 urban areas: Whangarei, Auckland, Hamilton, Tauranga, Rotorua, Napier-Hastings, New Plymouth, Wanganui, Palmerston North, Wellington, Nelson, Christchurch, Timaru, Dunedin, and Invercargill. Before 1988, 25 regions were sampled. In 1988 the number was reduced to 20, and in 1991 to 15. The territorial authorities of the 15 regional pricing centres account for about 69 percent of New Zealand's total resident population.

However, the prices of some goods and services are collected by postal questionnaires. In some cases, for sampling and collection reasons, these prices are aggregated to the national level or to broad regions such as Auckland, Wellington, Canterbury, Rest of North Island, and Rest of South Island. Items where movements for five broad regions are used include the purchase of second-hand cars, purchase of new housing, and rentals for housing. In these cases, price movements for the five broad regions are used for the corresponding 15 regions.

Pricing frequency

Prices are collected weekly, monthly, quarterly, or annually, depending on the expected frequency of price changes exhibited by the goods or service. Weekly surveys are conducted for fresh fruit and vegetables, and motor fuels. Monthly surveys are limited to the following commodities: food, non-food groceries, electricity, gas, tobacco, alcoholic drinks, newspapers, Internet, cellphones, rental cars, and domestic and international air travel. Some items are monitored throughout the quarter, for example, telephone call charges. Mortgage interest is also surveyed monthly but has been excluded from the CPI all groups calculations following the June 1999 quarter rebase.

Expenditure weights

The main source of information used in the 2008 review was the 2006/07 Household Economic Survey (HES), which collected detailed information on the spending patterns of about 2,600 households and ran from July 2006 to June 2007. The number of private households covered by the HES had grown by 5.0 percent, from 1,494,200 for 2003/04 to 1,569,200 for 2006/07.

However, weighting information also came from a range of other sources, including Statistics NZ surveys, government administrative data, retail transaction data, and information provided by businesses.

The initial weights for the year to June 2007 (the weight reference period) were 'price updated' to the June 2008 quarter (the price reference period). This updating involved expressing the underlying quantities of the weight reference period in the prices of the price reference period. The initial weights indicated that households spent \$76.831 billion on goods and services covered by the CPI during the year to June 2007 (2006/07). When the goods and services acquired during 2006/07 are expressed in prices that were current at the June 2008 quarter, that spending rose to \$80.982 billion (5.4 percent higher, mainly due to increased housing, transport and food prices since 2006/07).

Table 9 (in the tables section of this release) compares the June 2008 quarter expenditure weights for the 11 CPI groups with the June 2006 quarter weights. Housing and household utilities, and food grew in relative importance. It shows that \$22.75 of every \$100 spent by households on goods and services covered by the CPI is spent on housing and household utilities, compared with \$20.02 in 2006. This reflects increased spending on renting and on purchasing new housing, and higher electricity prices. Food accounts for \$17.83 of every \$100 spent, compared with \$17.38 in 2006. The increase largely reflects an increase of 11.3 percent in food prices from the June 2006 quarter to the June 2008 quarter.

Other groups have shown declines in relative importance, including transport (down from \$17.24 to \$16.18 of every \$100 spent), with lower spending on cars contributing to the fall. However, the relative importance of petrol increased, from \$5.38 to \$5.47 of every \$100 spent.

Elementary aggregate formula

Regional elementary aggregates are calculated for each of the 15 pricing centres from all prices collected for an item within that region. Since the 2006 CPI Review, the geometric mean, or Jevons, formula has been used to calculate the elementary aggregate indexes for items where outlet substitution is possible (eg for groceries and appliances). The Jevons formula is:

$$P_{JE} = \prod_{n=1}^N \left(\frac{P_n^1}{P_n^0} \right)^{\frac{1}{N}}$$

Where:

P_n^1 = Price of item n (n=1...N) in period 1

P_n^0 = Price of item n (n=1...N) in the base period

In practice, Statistics NZ uses a weighted geometric mean formula, with the weights, where available, representing the relative importance of outlet types, such as department stores to appliance stores.

The 'ratio of arithmetic mean prices', or Dutot, formula will continue to be used for other items where outlet substitution is not possible (eg local authority rates), where prices are subsidised and may fall to zero (eg GPs' fees), for fresh fruit and vegetables (as the first stage of aggregation is across both outlets within each region and across weeks within each month), and where it is not currently practical to adopt the Jevons formula. The Dutot formula is:

$$P_{DU} = \frac{\sum_{i=1}^N \left(\frac{1}{N}\right) P_i^1}{\sum_{i=1}^M \left(\frac{1}{M}\right) P_i^0}$$

Where:

P_i^1 = Price of item i ($i=1 \dots N$) in period 1

P_i^0 = Price of item i ($i=1 \dots M$) in the base period

In practice, Statistics NZ uses a weighted arithmetic mean formula, with the weights, where available, representing the relative importance of outlet types, such as department stores, to appliance stores.

The Dutot formula assumes that households purchase the same quantities at each surveyed outlet in each period. By comparison, the Jevons formula assumes that households spend the same amount at each surveyed outlet in each period. This implies that increased quantities are purchased from outlets showing lower-than-average relative price change, and decreased quantities from outlets showing higher-than-average price change. Use of the Jevons formula is recommended by the International Labour Office for goods and services where households are able to substitute towards outlets showing lower relative price change.

Use of retail transaction data

From the 2006 CPI Review, substantial use has been made of retail transaction data, obtained from the Nielsen Company in New Zealand and from GfK in Australia. The Nielsen Company collects details of sales of barcoded products that are scanned at checkout counters in supermarkets up and down the country. Aggregate sales information was obtained for about 400 categories, broken down by quarter, leading manufacturer, leading brand and, in some cases, variety.

GfK collects similar information for a range of small and large appliances sold through most of New Zealand's main appliance retailers and department stores. Information was obtained on the volume and value of sales of about 30 different categories, broken down by feature. For example, the information quantifies the relative importance of colour TVs with standard, LCD, and plasma displays.

The Nielsen Company and GfK information has been used to help:

- determine the expenditure weights of some goods in the CPI basket
- determine whether expenditure weight adjustments were required to reflect volume changes since the weight reference period and, if so, by how much
- select representative products to survey when price collectors visit retail outlets each month or quarter
- ensure that the mix of brands in the CPI price samples reflect market shares.

The Nielsen Company and GfK data will also be used on an ongoing basis between the three-yearly reweights to assist with keeping product samples, brand shares, and weights (below the class level of the NZHEC classification) up to date.

Determining the effect of a specified change in a lower-level index

As the CPI and food price index (FPI) have been reweighted and re-expressed in the June 2006 quarter, the method used to determine the effect that a specified change in a lower-level index would have on a higher-level index to which it contributes, can be simplified for the September 2006 and subsequent quarters.

The index points effect and percentage contribution on a higher-level index of a specified percentage change in a lower-level index that contributes to the higher-level index can be determined by following these steps:

1. Adjust the lower-level index for the previous period ($I_{n-1,low}$) by the specified percentage change ($PC_{n,low}$) to derive the index number for the current period:

$$I_{n,low} = I_{n-1,low} \times \left(1 + \left(\frac{PC_{n,low}}{100} \right) \right)$$

2. Calculate the index points effect on the higher-level index of the specified change in the lower-level index:

$$PE_{low-on-high} = \left(\frac{I_{Jun08,high}}{I_{Jun08,low}} \right) \times \left(\frac{W_{Jun08,low}}{W_{Jun08,high}} \right) \times (I_{n,low} - I_{n-1,low})$$

3. Calculate the percentage change in the higher-level index that would be caused by the specified change in the lower-level index:

$$PC_{n,high} = \left(\left(\frac{I_{n-1,high} + PE_{low-on-high}}{I_{n-1,high}} \right) - 1 \right) \times 100$$

Where:

I : index

n : period n, where n is the September 2008 quarter or a subsequent quarter (CPI), or the July 2008 month or a subsequent month (FPI)

n-1 : (period n)-1

Jun08 : June 2008 quarter (CPI) or June 2008 month (FPI)

low : lower-level index

high : higher-level index

W : expenditure weight, expressed as a percentage of the all groups (CPI) or group (FPI) index

PC : percentage change

PE : index points effect

low-on-high : lower-level index on higher-level index

Example:

The effect that a 5.0 percent increase in the petrol index (which has a weight of 5.47 percent in the CPI) from the June 2008 quarter to the September 2008 quarter would have on the all groups CPI index can be calculated as follows:

1. Increase the petrol index for the June 2008 quarter by 5.0 percent to derive the index number for the September 2008 quarter:

$$I_{\text{Sep08,low}} = I_{\text{Jun08,low}} \times \left(1 + \left(\frac{PC_{\text{Sep08,low}}}{100} \right) \right)$$
$$= 1153 \times \left(1 + \left(\frac{5.0}{100} \right) \right)$$

2. Calculate the index points effect on the all groups CPI index of the 5.0 percent increase in the petrol index:

$$PE_{\text{low-on-high}} = \left(\frac{I_{\text{Jun08,high}}}{I_{\text{Jun08,low}}} \right) \times \left(\frac{W_{\text{Jun08,low}}}{W_{\text{Jun08,high}}} \right) \times (I_{n,\text{low}} - I_{n-1,\text{low}})$$
$$= \left(\frac{1061}{1153} \right) \times \left(\frac{5.47}{100} \right) \times (1210.65 - 1153)$$

3. Calculate the percentage change in the all groups CPI index that would be caused by a 5.0 percent change in the petrol index:

$$PC_{n,\text{high}} = \left(\left(\frac{I_{n-1,\text{high}} + PE_{\text{low-on-high}}}{I_{n-1,\text{high}}} \right) - 1 \right) \times 100$$
$$= \left(\left(\frac{1061 + 2.90}{1061} \right) - 1 \right) \times 100$$

Treatment of selected items

Fuel discount schemes

Fuel discount schemes, related to spending at supermarkets and in-store at petrol stations, were launched in late 2006. These new schemes and existing supermarket-related fuel discount schemes were incorporated into the CPI for the first time in the December 2006 quarter. Information on the volume and value of discounts attributable to private households is being used to adjust surveyed petrol and diesel pump prices. Further schemes, related to spending at other types of retail outlets, were added to the CPI in the March 2007 quarter.

Method of aggregating monthly collected prices from the monthly level to the quarterly level

Prices are collected monthly for the food group and a number of non-food items in the CPI, including electricity, cigarettes and tobacco, alcoholic drinks, and air travel. These prices are averaged over the quarter for inclusion in the CPI.

The method for calculating these averages is to obtain monthly regional average prices for the item by outlet-weighting the prices collected at different outlets within each region. The monthly regional average prices are used to calculate quarterly regional average prices by weighting

each monthly regional average price by the number of days in the month in which it was collected. This is called day weighting. All the regions are aggregated to obtain the New Zealand quarterly index by weighting together regional price movements from the base (ie June 2008) quarter to the current quarter, using the regional population weights.

Petrol and diesel prices are collected weekly, usually on Fridays. The CPI petrol price index measures price changes of 91 octane petrol and 95/98 octane petrol. Within each CPI region, an average price per 10 litres of each fuel is calculated from the prices surveyed each week from individual service stations. Monthly regional average prices for each fuel are then calculated as the simple averages of the averages for the weeks within each month. Quarterly regional average prices for each fuel are then calculated as the day-weighted averages of the averages for the three months within the quarter. Regional price movements from the base (ie June 2008) quarter to the current quarter are then weighted by the regional population-weighted share of the national expenditure weight, to calculate the national petrol and diesel price indexes for the current quarter.

Since petrol and diesel prices are collected either 12 or 13 times within each quarter, a price change that occurs after the first price collection of a quarter is reflected only partly in that quarter, with the remainder being reflected in the following quarter. This is also the case for commodities that are priced monthly, such as cigarettes and tobacco.

Distribution of item-level index movements

The Distribution of item-level index movements table in the Commentary section of this release gives additional information on the distribution of price movements for the current quarter's CPI. The analytical statistics in the table give an indication of how widespread price changes are, and their relative magnitude when compared with previous quarters.

The weighted average price increase and decrease uses unrounded index numbers for the previous and current periods to calculate item-level price movements from the previous period, and these are weighted using previous period expenditure weights. The previous period expenditure weight for an item is calculated by updating base period expenditure weights by the price change for the item from the base period to the previous period.

Movements based on unrounded index numbers are used to determine whether items have increased, showed no change, or decreased in price. Previous period expenditure weights are used to indicate the proportion of the expenditure weight that has increased, showed no change, or decreased.

Standard and non-standard series

CPI series that contribute to the hierarchical structure of the overall CPI are known as standard series. For example, the clothing index, combined with the footwear index, contributes to the clothing and footwear index, which in turn contributes to the all groups index. Components of this pyramid-like structure are known as standard index series. In addition, a selection of non-standard series is published in the information release tables, and additional series can be accessed free of charge from the online Infoshare database, available at www.stats.govt.nz/infoshare. Consumers price index series can be found under the following category in the **Browse** screen:

Subject category: **Economic indicators**, then choose: **Consumers Price Index**

Examples of these non-standard series include:

- All groups CPI less food
- All groups CPI plus interest
- Interest.

The CPI is published at the following levels: group, subgroup, and class – all at the national level.

Availability of regional indexes

Until the June 2006 quarter, indexes were published for 15 regions. These series were not considered 'fit for purpose', as price movements from national or broad-region price collection had been used in their compilation.

However, in their stead, series for five broad regions are produced: Auckland, Wellington, Canterbury (encompasses Christchurch and Timaru), Rest of North Island, and Rest of South Island. These series are considered to be fit for purpose and make less significant use of national pricing indicators in their compilation. The 15 region series continue to be calculated and are available only upon request.

Tradable and non-tradable non-standard series

The tradable and non-tradable component series that appear in table 1 allow users to decompose CPI goods and services into two components: one contains goods and services that are imported or in competition with foreign goods, either in domestic or foreign markets (tradables); the other contains goods and services that face no foreign competition (non-tradables). Movements in the tradables component (tradable inflation) demonstrate how international price movements and exchange rates are impacting on movements in consumer prices. The non-tradables component shows how domestic demand and supply conditions are affecting consumer prices.

The June 2008 quarter expenditure weight of the tradables component is 45.78 percent, compared with 46.32 percent in 2006. The June 2008 quarter weight of non-tradables is 54.22 percent, compared with 53.68 percent in 2006.

The June 2008 quarter tradable/non-tradable weights at the group, subgroup, and class levels of the NZHEC classification are included in table 3 of the supplementary tables with the web version of this release.

An information paper on the methodology for the tradable and non-tradable series, [Consumers Price Index Tradable and Non-tradable Series](#), is available on the Statistics NZ website.

Trend measures of price-level change

The CPI captures the broad pattern of price change over the long term, but over shorter horizons the trend in price change may be masked by one-off events. In particular, the CPI:

- can be subject to temporary influences, such as adverse climatic conditions affecting the prices of fresh fruit and vegetables
- is influenced by other supply disturbances, which, while they affect the cost of living, do not directly affect the underlying inflationary pressures in the economy. For example, supply disturbances for petrol or electricity can have a large impact on the CPI in the short term

- includes some items that are subject to seasonality, such as international air fares and rental car hire, which may induce volatile short-term price behaviour.

In order to provide an indication of the trend in the CPI over time, alternative statistics, sometimes known as trend measures of price-level change, are calculated in an attempt to isolate the more persistent component of general price-level changes.

Several series are constructed to give a good guide to the trend in price-level change (5, 10, 15, 20, 25, and 30 percent trims), and a weighted median measure (the 50th percentile) is produced. Four other weighted percentile measures are also available (the 10th, 25th, 75th, and 90th weighted percentiles), primarily to highlight the distribution of price changes within a particular time period. Where the distribution of price movements is positively skewed, the weighted median movement will tend to lie below the CPI movement. Where the distribution of price movements is negatively skewed, the weighted median movement will tend to lie above the CPI movement.

For detailed information regarding the methodology and compilation of trimmed means and weighted medians, an information paper titled [Trend measures of price level change](#) is available on the Statistics NZ website.

Annual trend measures spanning a reweighting period

When the CPI is reweighted, as happened at the June 2002 quarter and again at the June 2006 quarter, there is a transition period during which the percentage changes used to calculate the annual trimmed mean and weighted percentile measures span the price reference period. The annual measures are calculated by directly weighting annual percentage changes, rather than by aggregating the four relevant quarterly percentage changes.

As the June 2006 quarter reweight resulted in some significant relative changes in expenditure weights (such as for petrol and the purchase of new housing), Statistics NZ made two sets of annual trimmed mean and weighted percentile measures available during the transition across the June 2006 quarter reweight. The two sets of figures were based on:

- 'price-updated' June 2002 quarter expenditure weights
- 'price-backdated' June 2006 quarter expenditure weights.

Two sets of figures were released for the September 2006, December 2006, and March 2007 quarters. From the June 2007 quarter onwards, only the June 2006 quarter expenditure weights are used.

Statistics NZ considers that the transition across the June 2006 quarter reweight has resulted in a structural break in the annual trimmed mean and weighted percentile time series. For this reason, the annual time series based on the June 2002 quarter expenditure weights, and on the June 2006 quarter expenditure weights, will be presented as separate time series, with an overlap period of three quarters. The annual series based on the June 2002 quarter expenditure weights cease at the March 2007 quarter. The annual series based on the June 2006 quarter expenditure weights commence with figures for the September 2006 quarter and will be updated on an ongoing basis.

A similar approach has been taken for the transition across the June 2008 quarter reweight.

An information paper titled [Transition across reweights for trimmed means and weighted percentiles](#) is available on the Statistics NZ website.

Central and local government charges non-standard series

The central and local government charges index, which appears in tables 3.01, 3.02, and 3.03, made up 9.52 percent of the CPI in the June 2008 quarter. It includes items such as Housing New Zealand and local authority rentals; land transfer registration fees; local authority rates; water supply and part of refuse disposal, electricity, prescription, and oral contraception charges; general practitioner fees; vehicle relicensing fees; road user charges; driver licensing fees; postage; State and integrated schools fees; tertiary education fees; other education fees; cheque duty; and official passports, licences, and certificates.

Goods and services non-standard series

The goods and services component series that appear in tables 3.01, 3.02, and 3.03 allow users to decompose CPI into its goods and services components, respectively. The goods component made up 62.55 percent, and the services component 37.45 percent in the June 2008 quarter.

The goods component comprises: the food group (except restaurant meals); alcoholic beverages and tobacco group; clothing and footwear group (except clothing services); purchase of new housing, property maintenance materials, water supply, household energy, household contents and services group (except repair and hire of household appliances, hire of major tools and equipment, and other household services); medical products, appliances and equipment; dentures; purchase of vehicles, vehicle parts and accessories; petrol, other vehicle fuels and lubricants; telecommunication equipment; recreation and culture group (except recreational and cultural services, accommodation services and package holidays); and the miscellaneous goods and services group (except hairdressing and personal grooming services, jewellery and watch repair, insurance, credit services and other miscellaneous services). The services component comprises all items not in the goods component.

Average retail prices in the CPI

Included in this information release is a selection of average retail prices for the current and previous quarter. The weighted average prices are calculated by applying index movements to weighted average prices for the June 2006 quarter CPI, with the exception of printer paper where prices were first collected in the June 2008 quarter. They are not statistically accurate measures of average transaction price levels, but do provide a reliable indicator of percentage changes in prices.

As part of the CPI review, the selection of items appearing in the tables has been reviewed, and the items have been grouped under their corresponding group headings.

With the adoption of the Jevons elementary aggregate formula as part of the 2006 review, the average prices in these tables are calculated differently for some items. For some items, a weighted arithmetic mean price is calculated for each of the 15 pricing centres. The weights reflect the relative importance of sampled outlets. These regional arithmetic mean prices are then weighted by the population weights assigned to pricing centres (see table 6) to calculate a national weighted arithmetic mean price. For other items, a weighted geometric mean price is calculated for each of the pricing centres. The weights reflect the relative importance of sampled outlets. These regional geometric mean prices are then weighted by the pricing centre population weights to calculate a national mean price using a weighted arithmetic mean formula.

For any given set of prices, a geometric mean price is less than or equal to an arithmetic mean price. This means that the June 2006 quarter average prices for items where the Jevons formula

was adopted will in many cases be lower than those that appeared in the June 2006 quarter CPI information release. Other factors that will cause the quarterly average prices to differ from ones published prior to the June 2006 quarter include:

- the sample of retail outlets has been updated
- the relative importance of sampled outlet types (eg department stores and appliance stores) has been updated
- the mix of surveyed brands, varieties, and sizes has been updated
- the reference size in the 'unit' column of the tables has changed for some items.

Detailed contribution information tables

Tables 8.01 and 8.02 include supplementary analytical information for group, subgroup, and class contributions to the overall change in the all groups CPI. The contribution information is given as index points, percentage points, and percentage contributions from the previous quarter and from the same quarter of the previous year. These tables are included to provide a broader perspective of the categories contributing to the movement in the all groups CPI. In cases where there is only one class within a subgroup, the class is omitted to avoid unnecessary duplication.

The index points, percentage points, and percentage contribution information contained within tables 8.01 and 8.02 is calculated from unrounded index numbers. Percentage changes have been calculated from index numbers rounded to the nearest index point (see 'Rounding of index numbers', above). As such, the sum of each of the group, subgroup, or class percentage point contributions may differ from the overall percentage change in the CPI all groups.

Index points contribution measures the contribution of each group, subgroup, and class to the overall quarterly and annual change in index points in the all groups CPI.

Percentage point contribution measures the contribution of each group, subgroup, and class to the overall quarterly and annual percentage change in the all groups CPI. For any particular level of the CPI classification, such as the group level, percentage points contribution add to the overall percentage change in the all groups CPI.

Percentage contribution measures the relative contribution of each group, subgroup, and class to the overall quarterly and annual index points (or percentage) change in the all groups CPI. For any particular level of the CPI classification, such as the group level, percentage contributions add to 100 percent.

While the contribution information is given to different decimal places for index points effect, percentage point contribution, and percentage contribution, all three measures have a similar level of accuracy.

Calculating scenarios for holding prices constant

One analysis often contained within the commentary of this release is an examination of hypothetical quarterly and annual percentage changes in the all groups CPI, or tradable or non-tradable components, if prices for a particular class or item under consideration had remained unchanged. These scenarios are constructed by removing the index points contribution of the class or item under consideration from the CPI all groups index number. This assumes that the item remains in the basket of goods and services, but its price remained unchanged over the period of comparison. As such analyses use unrounded index numbers, the final step is to round the new hypothetical CPI all groups index number to the nearest index point before calculating percentage changes.

These scenarios can be calculated using information contained within tables 8.01 and 8.02. This can best be done by subtracting the percentage point contribution of a class from the total CPI all groups percentage change (calculated from unrounded index numbers). Note that this is approximating the method used above and results may differ slightly to those contained within the commentary of this release, due to the final step of rounding the new hypothetical index numbers to the nearest index point.

Note that the analysis of holding prices constants differs from an analysis that excludes the class or item from the basket.

International comparisons of consumer price indexes

To provide a better basis for international comparisons, the Seventeenth International Conference of Labour Statisticians adopted a resolution that called for countries to "if possible, compile and provide for dissemination to the international community an index that excludes housing and financial services" in addition to the all items index. Table 4 presents the CPI less housing and household utilities group, and credit services class series. Data for other international statistics offices is calculated by the Australian Bureau of Statistics from information supplied by the source countries.

Treatment of fresh fruit and fresh vegetables – removal of seasonal adjustment

Before the June 2006 quarter, fresh fruit and fresh vegetable items that exhibited a seasonal pattern were adjusted to remove the effect of normal seasonal change. This treatment was used to reduce the influence of normal seasonal price fluctuations. However, the treatment did not completely eliminate the effects of seasonal fluctuations if shifts in seasonal patterns occurred.

From the June 2006 quarter onwards, the CPI incorporates seasonally unadjusted prices for fresh fruit and fresh vegetables. This is in line with a recommendation made by the 2004 CPI Revision Advisory Committee.

The ongoing, fully unadjusted CPI is linked at the June 2006 quarter to the previously published CPI, which is partly seasonally adjusted. As such, annual movements calculated over the annual period encompassing the June 2006 quarter will be based on fully unadjusted index numbers for the latest quarter, compared with partly adjusted index numbers for the same quarter of the previous year. However, analytical time series provided annual movements on a fully unadjusted basis during the year-long transition of the official CPI, during which annual movements are based on fully unadjusted index numbers for the latest quarter, compared with partly adjusted index numbers for the same quarter of the previous year.

More information

For more [information about the CPI](#), see the Statistics NZ website.

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Timing

Timed statistical releases are delivered using postal and electronic services provided by third parties. Delivery of these releases may be delayed by circumstances outside the control of Statistics NZ. Statistics NZ accepts no responsibility for any such delays.

Tables

The following tables are printed with this information release and can also be downloaded from the Statistics New Zealand website in Excel format. If you do not have access to Excel, you may use the [Excel file viewer](#) to view, print, and export the contents of the file.

1. Consumers price index, tradables, non-tradables, and all groups – index numbers and percentage changes
 - 2.01. Consumers price index, groups and subgroups – index numbers
 - 2.02. Consumers price index, groups and subgroups, percentage change from previous quarter
 - 2.03. Consumers price index, groups and subgroups, percentage change from same quarter of previous year
- 3.01. Consumers price index, selected groupings – index numbers
- 3.02. Consumers price index, selected groupings, percentage change from previous quarter
- 3.03. Consumers price index, selected groupings, percentage change from same quarter of previous year
4. International comparisons of consumer price indexes, excluding housing and household utilities group and credit services class – index numbers and percentage change
5. Consumers price index, weighted average retail prices of selected items
6. Consumers price index, expenditure weights
7. Consumers price index, population weights
- 8.01. Consumers price index, groups, subgroups, and classes, contribution to all groups and percentage change from previous quarter
- 8.02. Consumers price index, groups, subgroups and classes, contribution to all groups and percentage change from same quarter of previous year
9. Consumers price index, expenditure weights, groups, subgroups, and classes
10. Consumers price index, COICOP divisions – index numbers and percentage changes
11. Consumers price index, trimmed means and all groups
12. Consumers price index, weighted percentiles and all groups

Supplementary tables

The following supplementary tables can be downloaded from the Statistics NZ website in Excel format. These tables provide longer time-series information than the tables above. Given the long time-series nature of the tables, they are not suitable for printing.

1. Consumers price index, tradables, non-tradables, and all groups – index numbers and percentage changes
 - 2.01. Consumers price index, groups and subgroups – index numbers
 - 2.02. Consumers price index, groups and subgroups, percentage change from previous quarter
 - 2.03. Consumers price index, groups and subgroups, percentage change from same quarter of previous year
- 3.01. Consumers price index, selected groupings – index numbers
- 3.02. Consumers price index, selected groupings, percentage change from previous quarter
- 3.03. Consumers price index, selected groupings, percentage change from same quarter of previous year

Consumers Price Index: June 2011 quarter

Table 1

Consumers Price Index

Tradables, non-tradables, and all groups – index numbers and percentage changes⁽¹⁾⁽²⁾
Base: June 2006 quarter (=1000)

	Tradables ⁽³⁾⁽⁴⁾			Non-tradables ⁽⁵⁾			All groups ⁽³⁾		
	Index	Percentage change		Index	Percentage change		Index	Percentage change	
		From previous quarter	From same quarter of previous year		From previous quarter	From same quarter of previous year		From previous quarter	From same quarter of previous year
<i>Series ref: CPIQ</i>	<i>SE9NS6000</i>			<i>SE9NS6500</i>			<i>SE9A</i>		
Quarter									
2003 Jun	962	-1.0	-1.1	880	0.8	3.6	913	0.0	1.5
Sep	956	-0.7	-1.5	890	1.2	3.8	918	0.5	1.5
Dec	955	-0.1	-2.0	902	1.3	4.2	924	0.7	1.6
2004 Mar	950	-0.6	-2.3	912	1.1	4.5	928	0.4	1.5
Jun	956	0.7	-0.7	920	0.9	4.7	935	0.8	2.4
Sep	956	0.0	0.0	930	1.0	4.5	941	0.6	2.5
Dec	962	0.7	0.7	940	1.1	4.3	949	0.9	2.7
2005 Mar	958	-0.5	0.8	950	1.1	4.2	953	0.4	2.8
Jun	963	0.6	0.7	961	1.1	4.4	962	0.9	2.8
Sep	974	1.1	1.9	971	1.1	4.4	973	1.1	3.4
Dec	979	0.5	1.7	980	1.0	4.3	979	0.7	3.2
2006 Mar	978	-0.1	2.1	990	1.0	4.1	985	0.6	3.3
Jun	1000	2.3	3.8	1000	1.0	4.1	1000	1.5	4.0
Sep	1003	0.3	3.0	1010	1.0	4.0	1007	0.7	3.5
Dec	990	-1.3	1.2	1018	0.8	3.8	1005	-0.2	2.6
2007 Mar	986	-0.4	0.9	1030	1.2	4.1	1010	0.5	2.5
Jun	995	0.9	-0.5	1041	1.1	4.1	1020	1.0	2.0
Sep	1000	0.5	-0.3	1047	0.6	3.7	1025	0.5	1.8
Dec	1018	1.8	2.8	1054	0.7	3.5	1037	1.2	3.2
2008 Mar	1020	0.2	3.4	1066	1.1	3.5	1044	0.7	3.4
Jun	1043	2.3	4.8	1076	0.9	3.4	1061	1.6	4.0
Sep	1063	1.9	6.3	1090	1.3	4.1	1077	1.5	5.1
Dec	1041	-2.1	2.3	1099	0.8	4.3	1072	-0.5	3.4
2009 Mar	1037	-0.4	1.7	1107	0.7	3.8	1075	0.3	3.0
Jun	1045	0.8	0.2	1112	0.5	3.3	1081	0.6	1.9
Sep	1062	1.6	-0.1	1123	1.0	3.0	1095	1.3	1.7
Dec	1057	-0.5	1.5	1124	0.1	2.3	1093	-0.2	2.0
2010 Mar	1058	0.1	2.0	1130	0.5	2.1	1097	0.4	2.0
Jun	1055	-0.3	1.0	1137	0.6	2.2	1099	0.2	1.7
Sep	1065	0.9	0.3	1151	1.2	2.5	1111	1.1	1.5
Dec	1092	2.5	3.3	1176	2.2	4.6	1137	2.3	4.0
2011 Mar	1097	0.5	3.7	1189	1.1	5.2	1146	0.8	4.5
Jun	1113	1.5	5.5	1196	0.6	5.2	1157	1.0	5.3

(1) Percentage changes are calculated from index numbers that are not rounded until the June 2006 quarter.

(2) Five decimal places have been retained prior to the June 2006 quarter to preserve percentage changes that were originally published on earlier expression bases.

(3) From the September 2006 quarter, prices for fresh fruit and vegetables are not seasonally adjusted. They were seasonally adjusted until the June 2006 quarter.

(4) Tradables are goods and services that are imported or that are in competition with foreign goods and services either in domestic or foreign markets.

(5) Non-tradables are goods and services that do not face foreign competition.

Consumers Price Index: June 2011 quarter

Table 2.01

Consumers Price Index
Groups and subgroups – index numbers
 Base: June 2006 quarter (=1000)

Group or subgroup	Series ref. CPIQ	Quarter				
		2010			2011	
		Jun	Sep	Dec	Mar	Jun
Food group	SE901	1188	1217	1242	1257	1271
Fruit and vegetables	SE9011	1153	1298	1287	1296	1296
Meat, poultry and fish	SE9012	1204	1225	1255	1281	1282
Grocery food	SE9013	1205	1220	1253	1267	1286
Non-alcoholic beverages	SE9014	1181	1178	1209	1226	1271
Restaurant meals and ready-to-eat food	SE9015	1169	1175	1202	1212	1220
Alcoholic beverages and tobacco group	SE902	1167	1194	1214	1257	1250
Alcoholic beverages	SE9021	1139	1157	1174	1180	1170
Cigarettes and tobacco	SE9022	1228	1277	1302	1425	1425
Clothing and footwear group	SE903	1028	1020	1020	1009	1018
Clothing	SE9031	1036	1028	1026	1015	1021
Footwear	SE9032	988	983	990	977	1003
Housing and household utilities group	SE904	1155	1171	1190	1195	1206
Actual rentals for housing	SE9041	1091	1096	1098	1105	1111
Home ownership	SE9042	1143	1149	1172	1171	1182
Property maintenance	SE9043	1136	1149	1193	1207	1213
Property rates and related services	SE9044	1288	1342	1374	1374	1374
Household energy	SE9045	1220	1251	1272	1280	1311
Household contents and services group	SE905	1013	1007	1026	1007	1021
Furniture, furnishings and floor coverings	SE9051	979	979	1002	971	990
Household textiles	SE9052	1006	971	1015	1004	1050
Household appliances	SE9053	1026	1011	1027	1009	1003
Glassware, tableware and household utensils	SE9054	980	977	973	909	960
Tools and equipment for house and garden	SE9055	1127	1118	1134	1133	1129
Other household supplies and services	SE9056	1023	1030	1040	1048	1059
Health group	SE906	1086	1097	1145	1154	1158
Medical products, appliances and equipment	SE9061	931	934	947	953	949
Out-patient services	SE9062	1103	1112	1179	1190	1197
Hospital services	SE9063	1256	1288	1306	1306	1312
Transport group	SE907	1051	1062	1108	1136	1167
Purchase of vehicles	SE9071	1021	1033	1059	1052	1065
Private transport supplies and services	SE9072	1091	1097	1151	1223	1255
Passenger transport services	SE9073	993	1016	1068	1021	1076
Communication group	SE908	969	968	975	967	955
Postal services	SE9081	1153	1153	1241	1249	1249
Telecommunication equipment	SE9082	481	458	430	407	381
Telecommunication services	SE9083	992	994	1001	993	983
Recreation and culture group	SE909	992	995	1024	1007	1011
Audio-visual and computing equipment	SE9091	541	534	525	507	496
Major recreational and cultural equipment	SE9092	1110	1110	1129	1123	1144
Other recreational equipment and supplies	SE9093	1082	1080	1089	1085	1089
Recreational and cultural services	SE9094	1094	1108	1130	1131	1147
Newspapers, books and stationery	SE9095	1189	1214	1235	1211	1239
Accommodation services	SE9096	1083	1060	1138	1176	1110
Package holidays	SE9097	1134	1145	1324	1194	1217
Education group	SE910	1109	1112	1118	1182	1183
Early childhood education	SE9101	694	706	732	771	775
Primary and secondary education	SE9102	1226	1226	1226	1289	1289
Tertiary and other post-school education	SE9103	1166	1166	1166	1241	1241
Other education	SE9104	1299	1299	1299	1369	1369
Miscellaneous goods and services group	SE911	1099	1105	1124	1129	1136
Personal care	SE9111	1065	1075	1094	1099	1104
Personal effects	SE9113	1232	1237	1260	1269	1288
Insurance	SE9114	1147	1153	1171	1183	1188
Credit services	SE9115	889	889	903	904	905
Other miscellaneous services	SE9116	1129	1131	1151	1152	1159
All groups	SE9A	1099	1111	1137	1146	1157

Consumers Price Index: June 2011 quarter

Table 2.02

Consumers Price Index
Groups and subgroups
 Percentage change from previous quarter

Group or subgroup	Quarter				
	2010			2011	
	Jun	Sep	Dec	Mar	Jun
Food group	-0.9	2.4	2.1	1.2	1.1
Fruit and vegetables	-2.6	12.6	-0.8	0.7	0.0
Meat, poultry and fish	-3.3	1.7	2.4	2.1	0.1
Grocery food	-0.2	1.2	2.7	1.1	1.5
Non-alcoholic beverages	-0.2	-0.3	2.6	1.4	3.7
Restaurant meals and ready-to-eat food	0.5	0.5	2.3	0.8	0.7
Alcoholic beverages and tobacco group	3.5	2.3	1.7	3.5	-0.6
Alcoholic beverages	1.2	1.6	1.5	0.5	-0.8
Cigarettes and tobacco	8.7	4.0	2.0	9.4	0.0
Clothing and footwear group	0.7	-0.8	0.0	-1.1	0.9
Clothing	0.5	-0.8	-0.2	-1.1	0.6
Footwear	1.3	-0.5	0.7	-1.3	2.7
Housing and household utilities group	0.5	1.4	1.6	0.4	0.9
Actual rentals for housing	0.5	0.5	0.2	0.6	0.5
Home ownership	0.4	0.5	2.0	-0.1	0.9
Property maintenance	0.6	1.1	3.8	1.2	0.5
Property rates and related services	0.0	4.2	2.4	0.0	0.0
Household energy	0.9	2.5	1.7	0.6	2.4
Household contents and services group	-0.4	-0.6	1.9	-1.9	1.4
Furniture, furnishings and floor coverings	-0.3	0.0	2.3	-3.1	2.0
Household textiles	0.4	-3.5	4.5	-1.1	4.6
Household appliances	0.1	-1.5	1.6	-1.8	-0.6
Glassware, tableware and household utensils	2.9	-0.3	-0.4	-6.6	5.6
Tools and equipment for house and garden	0.4	-0.8	1.4	-0.1	-0.4
Other household supplies and services	-2.8	0.7	1.0	0.8	1.0
Health group	0.7	1.0	4.4	0.8	0.3
Medical products, appliances and equipment	-0.7	0.3	1.4	0.6	-0.4
Out-patient services	1.2	0.8	6.0	0.9	0.6
Hospital services	0.5	2.5	1.4	0.0	0.5
Transport group	0.1	1.0	4.3	2.5	2.7
Purchase of vehicles	-1.5	1.2	2.5	-0.7	1.2
Private transport supplies and services	0.9	0.5	4.9	6.3	2.6
Passenger transport services	-0.2	2.3	5.1	-4.4	5.4
Communication group	-0.4	-0.1	0.7	-0.8	-1.2
Postal services	0.0	0.0	7.6	0.6	0.0
Telecommunication equipment	-4.2	-4.8	-6.1	-5.3	-6.4
Telecommunication services	-0.2	0.2	0.7	-0.8	-1.0
Recreation and culture group	-0.7	0.3	2.9	-1.7	0.4
Audio-visual and computing equipment	-4.6	-1.3	-1.7	-3.4	-2.2
Major recreational and cultural equipment	0.3	0.0	1.7	-0.5	1.9
Other recreational equipment and supplies	0.4	-0.2	0.8	-0.4	0.4
Recreational and cultural services	0.3	1.3	2.0	0.1	1.4
Newspapers, books and stationery	1.2	2.1	1.7	-1.9	2.3
Accommodation services	-5.3	-2.1	7.4	3.3	-5.6
Package holidays	-0.9	1.0	15.6	-9.8	1.9
Education group	0.0	0.3	0.5	5.7	0.1
Early childhood education	0.6	1.7	3.7	5.3	0.5
Primary and secondary education	0.0	0.0	0.0	5.1	0.0
Tertiary and other post-school education	0.0	0.0	0.0	6.4	0.0
Other education	0.0	0.0	0.0	5.4	0.0
Miscellaneous goods and services group	0.3	0.5	1.7	0.4	0.6
Personal care	-0.3	0.9	1.8	0.5	0.5
Personal effects	-0.2	0.4	1.9	0.7	1.5
Insurance	1.1	0.5	1.6	1.0	0.4
Credit services	-0.7	0.0	1.6	0.1	0.1
Other miscellaneous services	0.5	0.2	1.8	0.1	0.6
All groups	0.2	1.1	2.3	0.8	1.0

Table 2.03

Consumers Price Index
Groups and subgroups
 Percentage change from same quarter of previous year

Group or subgroup	Quarter				
	2010			2011	
	Jun	Sep	Dec	Mar	Jun
Food group	-0.7	0.1	4.6	4.8	7.0
Fruit and vegetables	-6.3	-1.1	11.2	9.5	12.4
Meat, poultry and fish	-3.6	-2.9	2.1	2.9	6.5
Grocery food	0.4	1.1	4.9	4.9	6.7
Non-alcoholic beverages	2.0	-0.5	1.9	3.6	7.6
Restaurant meals and ready-to-eat food	2.1	1.8	3.8	4.2	4.4
Alcoholic beverages and tobacco group	5.3	6.1	9.0	11.4	7.1
Alcoholic beverages	3.5	2.5	5.3	4.8	2.7
Cigarettes and tobacco	9.3	14.5	17.0	26.1	16.0
Clothing and footwear group	1.2	0.5	-1.3	-1.2	-1.0
Clothing	1.3	0.8	-1.5	-1.6	-1.4
Footwear	0.5	-0.9	0.0	0.2	1.5
Housing and household utilities group	1.7	2.4	3.8	4.0	4.4
Actual rentals for housing	1.4	1.7	1.6	1.7	1.8
Home ownership	1.2	1.6	3.2	2.9	3.4
Property maintenance	0.3	1.9	5.8	6.9	6.8
Property rates and related services	5.7	4.4	6.7	6.7	6.7
Household energy	1.3	3.6	5.6	5.9	7.5
Household contents and services group	-2.0	-2.3	-0.4	-1.0	0.8
Furniture, furnishings and floor coverings	-3.3	-1.4	-0.1	-1.1	1.1
Household textiles	-1.2	-3.7	-0.2	0.2	4.4
Household appliances	-1.2	-2.4	-1.4	-1.6	-2.2
Glassware, tableware and household utensils	0.5	-3.6	0.3	-4.5	-2.0
Tools and equipment for house and garden	-0.6	-1.8	0.8	0.9	0.2
Other household supplies and services	-2.6	-3.6	-0.7	-0.5	3.5
Health group	3.7	3.3	7.2	7.1	6.6
Medical products, appliances and equipment	1.7	1.7	2.6	1.6	1.9
Out-patient services	3.8	3.5	9.2	9.2	8.5
Hospital services	5.5	3.9	4.6	4.5	4.5
Transport group	5.8	3.7	6.6	8.2	11.0
Purchase of vehicles	1.7	0.5	2.0	1.4	4.3
Private transport supplies and services	7.5	5.3	10.8	13.1	15.0
Passenger transport services	6.9	3.6	1.3	2.6	8.4
Communication group	-2.0	-1.9	-0.6	-0.6	-1.4
Postal services	3.7	3.7	7.6	8.3	8.3
Telecommunication equipment	-14.9	-18.2	-19.3	-18.9	-20.8
Telecommunication services	-1.5	-1.2	0.1	-0.1	-0.9
Recreation and culture group	-0.8	-1.4	1.1	0.8	1.9
Audio-visual and computing equipment	-17.5	-16.6	-12.6	-10.6	-8.3
Major recreational and cultural equipment	-0.1	-0.4	1.4	1.4	3.1
Other recreational equipment and supplies	1.7	0.7	0.6	0.6	0.6
Recreational and cultural services	2.2	2.4	3.9	3.7	4.8
Newspapers, books and stationery	0.8	0.7	2.9	3.1	4.2
Accommodation services	0.2	-0.8	1.8	2.8	2.5
Package holidays	12.1	5.8	12.2	4.4	7.3
Education group	4.8	5.1	5.7	6.6	6.7
Early childhood education	1.9	3.2	7.3	11.7	11.7
Primary and secondary education	3.2	3.2	3.2	5.1	5.1
Tertiary and other post-school education	6.4	6.4	6.4	6.4	6.4
Other education	23.4	23.4	23.4	5.4	5.4
Miscellaneous goods and services group	0.6	0.5	2.1	3.0	3.4
Personal care	-0.7	0.1	1.7	2.9	3.7
Personal effects	3.1	0.4	2.2	2.8	4.5
Insurance	2.5	2.5	2.8	4.2	3.6
Credit services	-11.0	-11.0	-2.9	1.0	1.8
Other miscellaneous services	3.6	2.5	3.4	2.6	2.7
All groups	1.7	1.5	4.0	4.5	5.3

Consumers Price Index: June 2011 quarter

Table 3.01

Consumers Price Index
Selected groupings – index numbers
 Base: June 2006 quarter (=1000)

Selected grouping	Series ref: CPIQ	Quarter				
		2010			2011	
		Jun	Sep	Dec	Mar	Jun
All groups	SE9A	1099	1111	1137	1146	1157
All groups less group						
All groups less food group	SE9NS1200	1080	1089	1115	1123	1134
All groups less alcoholic beverages and tobacco group	SE9NS1210	1094	1105	1131	1138	1151
All groups less clothing and footwear group	SE9NS1220	1102	1116	1143	1153	1164
All groups less housing and household utilities group	SE9NS1230	1084	1096	1123	1134	1145
All groups less household contents and services group	SE9NS1240	1104	1117	1143	1154	1165
All groups less health group	SE9NS1250	1099	1112	1136	1146	1157
All groups less transport group	SE9NS1260	1108	1121	1142	1148	1156
All groups less communication group	SE9NS1270	1103	1116	1142	1152	1164
All groups less recreation and culture group	SE9NS1280	1111	1125	1149	1162	1174
All groups less education group	SE9NS1290	1099	1111	1137	1146	1157
All groups less miscellaneous goods and services group	SE9NS1300	1099	1112	1138	1148	1159
All groups less other groupings						
All groups less credit services subgroup	SE9NS1080	1100	1113	1138	1148	1159
All groups less alcoholic beverages subgroup	SE9NS1470	1097	1109	1135	1145	1157
All groups less cigarettes and tobacco subgroup	SE9NS1480	1096	1108	1133	1140	1152
All groups less central and local government charges ⁽¹⁾	SE9NS1120	1092	1101	1127	1136	1147
All groups less purchase of new housing class	SE9NS1400	1097	1110	1135	1145	1156
All groups less household energy subgroup and vehicle fuels ⁽²⁾	SE9NS1410	1097	1110	1133	1137	1145
All groups less vehicle fuels ⁽²⁾	SE9NS1420	1102	1116	1139	1143	1151
All groups less petrol class	SE9NS1440	1101	1115	1138	1142	1152
All groups less food group, household energy subgroup and vehicle fuels ⁽²⁾	SE9NS1450	1076	1085	1108	1109	1115
Other groupings						
All groups – goods component ⁽¹⁾	SE9NS1130	1093	1106	1128	1143	1156
All groups – services component ⁽¹⁾	SE9NS1140	1107	1120	1151	1152	1160
All groups plus interest	SE9NS1150	1071	1083	1106	1114	1121
Central and local government charges ⁽¹⁾	SE9NS3270	1166	1207	1230	1241	1253
Tradables less vehicle fuels ⁽²⁾⁽³⁾	SE9NS6010	1056	1070	1091	1081	1093
Non-tradables less housing and household utilities group ⁽⁴⁾	SE9NS6510	1127	1141	1169	1188	1192
Non-tradables less purchase of new housing class ⁽⁴⁾	SE9NS6520	1137	1152	1177	1192	1198

(1) The composition of this grouping is further explained in the Technical notes of this release.

(2) Vehicle fuels comprises the petrol class (91 octane, 95/98 octane) and diesel from within the other vehicle fuels and lubricants class.

(3) Tradables are goods and services that are imported or that are in competition with foreign goods and services either in domestic or foreign markets.

(4) Non-tradables are goods and services that do not face foreign competition.

Table 3.02

Consumers Price Index
Selected groupings
Percentage change from previous quarter

Selected grouping	Quarter				
	2010			2011	
	Jun	Sep	Dec	Mar	Jun
All groups	0.2	1.1	2.3	0.8	1.0
All groups less group					
All groups less food group	0.5	0.8	2.4	0.7	1.0
All groups less alcoholic beverages and tobacco group	0.0	1.0	2.4	0.6	1.1
All groups less clothing and footwear group	0.2	1.3	2.4	0.9	1.0
All groups less housing and household utilities group	0.1	1.1	2.5	1.0	1.0
All groups less household contents and services group	0.3	1.2	2.3	1.0	1.0
All groups less health group	0.1	1.2	2.2	0.9	1.0
All groups less transport group	0.3	1.2	1.9	0.5	0.7
All groups less communication group	0.2	1.2	2.3	0.9	1.0
All groups less recreation and culture group	0.3	1.3	2.1	1.1	1.0
All groups less education group	0.3	1.1	2.3	0.8	1.0
All groups less miscellaneous goods and services group	0.2	1.2	2.3	0.9	1.0
All groups less other groupings					
All groups less credit services subgroup	0.2	1.2	2.2	0.9	1.0
All groups less alcoholic beverages subgroup	0.2	1.1	2.3	0.9	1.0
All groups less cigarettes and tobacco subgroup	0.0	1.1	2.3	0.6	1.1
All groups less central and local government charges ⁽¹⁾	0.2	0.8	2.4	0.8	1.0
All groups less purchase of new housing class	0.2	1.2	2.3	0.9	1.0
All groups less household energy subgroup and vehicle fuels ⁽²⁾	0.1	1.2	2.1	0.4	0.7
All groups less vehicle fuels ⁽²⁾	0.1	1.3	2.1	0.4	0.7
All groups less petrol class	0.1	1.3	2.1	0.4	0.9
All groups less food group, household energy subgroup and vehicle fuels ⁽²⁾	0.4	0.8	2.1	0.1	0.5
Other groupings					
All groups – goods component ⁽¹⁾	0.1	1.2	2.0	1.3	1.1
All groups – services component ⁽¹⁾	0.2	1.2	2.8	0.1	0.7
All groups plus interest	0.0	1.1	2.1	0.7	0.6
Central and local government charges ⁽¹⁾	0.3	3.5	1.9	0.9	1.0
Tradables less vehicle fuels ⁽²⁾⁽³⁾	-0.6	1.3	2.0	-0.9	1.1
Non-tradables less housing and household utilities group ⁽⁴⁾	0.7	1.2	2.5	1.6	0.3
Non-tradables less purchase of new housing class ⁽⁴⁾	0.7	1.3	2.2	1.3	0.5

(1) The composition of this grouping is further explained in the Technical notes of this release.

(2) Vehicle fuels comprises the petrol class (91 octane, 95/98 octane) and diesel from within the other vehicle fuels and lubricants class.

(3) Tradables are goods and services that are imported or that are in competition with foreign goods and services either in domestic or foreign markets.

(4) Non-tradables are goods and services that do not face foreign competition.

Table 3.03

Consumers Price Index
Selected groupings
Percentage change from same quarter of previous year

Selected grouping	Quarter				
	2010			2011	
	Jun	Sep	Dec	Mar	Jun
All groups	1.7	1.5	4.0	4.5	5.3
All groups less group					
All groups less food group	2.2	1.9	3.9	4.5	5.0
All groups less alcoholic beverages and tobacco group	1.4	1.2	3.7	4.0	5.2
All groups less clothing and footwear group	1.7	1.5	4.3	4.8	5.6
All groups less housing and household utilities group	1.6	1.3	4.1	4.7	5.6
All groups less household contents and services group	1.8	1.7	4.2	4.8	5.5
All groups less health group	1.5	1.5	3.8	4.4	5.3
All groups less transport group	0.9	1.2	3.5	3.9	4.3
All groups less communication group	1.8	1.6	4.1	4.6	5.5
All groups less recreation and culture group	1.9	1.9	4.3	4.9	5.7
All groups less education group	1.6	1.5	3.9	4.6	5.3
All groups less miscellaneous goods and services group	1.8	1.6	4.2	4.6	5.5
All groups less other groupings					
All groups less credit services subgroup	1.7	1.6	4.0	4.6	5.4
All groups less alcoholic beverages subgroup	1.6	1.5	3.9	4.6	5.5
All groups less cigarettes and tobacco subgroup	1.5	1.3	3.7	4.0	5.1
All groups less central and local government charges ⁽¹⁾	1.4	1.1	3.7	4.2	5.0
All groups less purchase of new housing class	1.7	1.6	4.0	4.6	5.4
All groups less household energy subgroup and vehicle fuels ⁽²⁾	1.2	1.2	3.4	3.7	4.4
All groups less vehicle fuels ⁽²⁾	1.2	1.3	3.5	3.8	4.4
All groups less petrol class	1.3	1.4	3.5	3.8	4.6
All groups less food group, household energy subgroup and vehicle fuels ⁽²⁾	1.7	1.4	3.1	3.5	3.6
Other groupings					
All groups – goods component ⁽¹⁾	0.8	1.0	3.9	4.7	5.8
All groups – services component ⁽¹⁾	2.9	2.4	4.2	4.3	4.8
All groups plus interest	0.2	0.7	3.4	4.0	4.7
Central and local government charges ⁽¹⁾	4.3	5.0	6.9	6.8	7.5
Tradables less vehicle fuels ⁽²⁾⁽³⁾	-0.2	-0.4	2.0	1.8	3.5
Non-tradables less housing and household utilities group ⁽⁴⁾	2.5	2.7	5.2	6.2	5.8
Non-tradables less purchase of new housing class ⁽⁴⁾	2.3	2.7	4.8	5.6	5.4

(1) The composition of this grouping is further explained in the Technical notes of this release.

(2) Vehicle fuels comprises the petrol class (91 octane, 95/98 octane) and diesel from within the other vehicle fuels and lubricants class.

(3) Tradables are goods and services that are imported or that are in competition with foreign goods and services either in domestic or foreign markets.

(4) Non-tradables are goods and services that do not face foreign competition.

Consumers Price Index: June 2011 quarter

Table 4

International Comparisons of Consumer Price Indexes

Excluding housing and household utilities group and credit services class – index numbers and percentage change⁽¹⁾

Base: June 2006 quarter (=1000)

		New Zealand	Australia	Canada	Japan	Germany	United Kingdom	United States	Singapore	South Korea	Hong Kong	Taiwan
<i>Series ref: ICPQ</i>		<i>SI1A</i>	<i>SI1B</i>	<i>SI1C</i>	<i>SI1E</i>	<i>SI1F</i>	<i>SI1G</i>	<i>SI1H</i>	<i>SI1I</i>	<i>SI1K</i>	<i>SI1L</i>	<i>SI1M</i>
Quarter												
2009	Jun	1068	1067	1033	1002	1049	1099	1049	1063	1115	1050	1044
	Sep	1083	1071	1036	1000	1052	1108	1059	1075	1115	1054	1060
	Dec	1081	1076	1038	994	1055	1123	1066	1086	1116	1070	1060
2010	Mar	1085	1083	1042	991	1056	1137	1073	1093	1127	1083	1053
	Jun	1086	1090	1048	993	1060	1161	1080	1107	1138	1088	1057
	Sep	1098	1093	1052	992	1064	1164	1081	1118	1148	1092	1066
	Dec	1125	1097	1060	996	1067	1181	1085	1126	1158	1105	1074
2011	Mar	1136	1114	..	..	1074	1207	1103	..	1178	..	..
	Jun	1147	..	..	..	..	..	..	..	..	..	..

Percentage change from previous quarter

Quarter												
2009	Jun	0.7	0.7	1.6	-0.1	0.4	1.7	1.4	-1.0	1.6	-0.2	0.7
	Sep	1.4	0.4	0.3	-0.2	0.4	0.9	1.0	1.1	0.0	0.4	1.5
	Dec	-0.2	0.4	0.1	-0.6	0.2	1.3	0.6	1.0	0.1	1.5	0.0
2010	Mar	0.4	0.6	0.5	-0.4	0.1	1.3	0.7	0.7	1.0	1.2	-0.6
	Jun	0.1	0.6	0.5	0.3	0.4	2.1	0.7	1.3	1.0	0.5	0.3
	Sep	1.1	0.3	0.4	-0.2	0.4	0.3	0.1	1.0	0.9	0.3	0.8
	Dec	2.5	0.4	0.7	0.5	0.4	1.4	0.4	0.7	0.9	1.2	0.7
2011	Mar	1.0	1.5	..	..	0.6	2.2	1.7	..	1.8	..	..
	Jun	1.0	..	..	..	..	..	..	..	..	..	..

Percentage change from same quarter of previous year

Quarter												
2009	Jun	1.7	1.4	0.1	-1.3	0.2	2.2	-2.3	-1.5	3.6	-2.0	-1.0
	Sep	1.5	1.2	-0.5	-2.7	-0.1	1.8	-2.8	-0.8	2.2	-2.0	-1.3
	Dec	2.2	2.3	1.7	-2.3	0.9	3.5	2.0	-0.4	2.6	1.2	-1.4
2010	Mar	2.3	2.1	2.5	-1.2	1.1	5.2	3.7	1.8	2.7	2.9	1.6
	Jun	1.7	2.1	1.4	-0.8	1.1	5.6	2.9	4.1	2.1	3.6	1.2
	Sep	1.4	2.0	1.5	-0.8	1.1	5.0	2.0	4.0	3.0	3.5	0.5
	Dec	4.1	2.0	2.1	0.2	1.2	5.2	1.8	3.7	3.8	3.2	1.3
2011	Mar	4.7	2.9	..	..	1.7	6.1	2.8	..	4.6	..	..
	Jun	5.6	..	..	..	..	..	..	..	..	..	..

(1) Percentage changes are calculated from unrounded index numbers. For New Zealand, index numbers from the June 2006 quarter onwards are rounded.

Symbol:

.. figure not available

Consumers Price Index: June 2011

Table 5

Consumers Price Index
Weighted average retail prices of selected items⁽¹⁾

Item	Series ref: CPIQ	Unit	Mar 2011 quarter	Jun 2011 quarter	Percentage change ⁽²⁾
			\$		
Alcoholic beverages and tobacco group					
Beer – bottles (supermarket & liquor store)	SAP0200	1 dozen	20.19	20.15	-0.2
Beer – glass (licensed premises)	SAP0210	400ml	5.31	5.32	0.2
Wine – cask, white (supermarket & liquor store)	SAP0220	3 litres	23.02	23.16	0.6
Whisky (liquor store)	SAP0230	1000ml	45.43	43.18	-5.0
Cigarettes (supermarket & convenience store)	SAP0240	pk of 25	16.39	16.39	0.0
Clothing and footwear group					
Socks – men's (clothing store & department store)	SAP0300	pair	10.56	10.46	-0.9
Panty-hose – 15 denier, average size (supermarket)	SAP0310	pair	5.49	5.41	-1.5
Dry cleaning – men's 2-piece, woollen suit	SAP0320	each	26.20	26.28	0.3
Housing and household utilities group					
Spouting/guttering – plastic	SAP0400	per 3m	34.87	35.38	1.5
Concrete blocks – 390mm x 190mm x 190mm	SAP0410	per 100	367.15	371.22	1.1
House paint – acrylic, white	SAP0420	10 litres	159.12	160.50	0.9
Plasterboard – 2400mm x 1200mm	SAP0430	per sheet	23.28	23.46	0.8
Wallpaper – roll	SAP0440	each	39.19	36.33	-7.3
Household contents and services group					
Carpet – wool, heavy duty, cut pile, width 3.66m	SAP0500	per m	166.88	177.29	6.2
Clothes washing powder – concentrate (supermarket)	SAP0530	1kg	3.69	3.84	4.1
Detergent – dishwashing liquid (supermarket)	SAP0540	900ml	3.75	3.78	0.8
Cling food wrap – refill roll (supermarket)	SAP0550	45m	4.17	4.21	1.0
Health group					
General Practitioner – consultation, adult without community services card	SAP0600	each	33.99	34.14	0.4
Optometrist – examination	SAP0610	each	73.95	73.95	0.0
Dental examination – 2 X-rays, scale and polish	SAP0620	each	124.81	125.21	0.3
Transport group					
Car battery – 12 volts	SAP0700	each	124.70	128.12	2.7
Petrol – 91 octane	SAP0710	10 litres	20.30	21.11	4.0
Petrol – 95/98 octane	SAP0720	10 litres	21.19	22.02	3.9
Diesel	SAP0730	10 litres	14.37	15.53	8.1
Warrant of fitness – private car	SAP0740	each	46.10	46.14	0.1
Communication group					
Postage – standard, medium-size envelope	SAP0800	each	0.60	0.60	0.0
Recreation and culture group					
Compact disc – current top 10 album (record store & department store)	SAP0900	each	26.46	25.06	-5.3
Pet food – canned (supermarket)	SAP0910	700g	2.51	2.63	4.8
DVD hire – overnight Friday, new release	SAP0920	1 movie	6.77	6.33	-6.5
Computer printer paper – 1 ream	SAP0940	500 sheets	6.78	6.84	0.9
Miscellaneous goods and services group					
Hairdressing – women's, shampoo, cut and blow wave	SAP1100	each	61.39	61.55	0.3
Bathroom soap – cake, 100g (supermarket)	SAP1110	pk of 4	3.99	3.97	-0.5
Shampoo (supermarket)	SAP1120	400ml	6.51	6.28	-3.5
Tissues – facial (supermarket)	SAP1130	box of 180	2.86	2.87	0.3
Toilet paper (supermarket)	SAP1140	4 rolls	2.98	3.11	4.4

(1) Calculated by applying index movements to weighted average prices for the June 2006 quarter. These are not statistically accurate measures of average transaction price levels, but do provide a reliable indicator of percentage changes in prices.

(2) Percentage changes are calculated from weighted average retail prices rounded to the nearest cent. They may differ from percentage changes calculated using index numbers on the expression base of 1000.

Table 6

Consumers Price Index
Expenditure weights
Group

Group	Base expenditure weight	
	June 2006 quarter	June 2008 quarter
	Percent ⁽¹⁾	
Food	17.38	17.83
Alcoholic beverages and tobacco	7.20	6.76
Clothing and footwear	4.75	4.48
Housing and household utilities	20.02	22.75
Household contents and services	5.49	5.26
Health	5.23	5.09
Transport	17.24	16.18
Communication	3.26	3.21
Recreation and culture	10.21	9.54
Education	2.08	1.78
Miscellaneous goods and services	7.13	7.12
All groups	100.00	100.00

(1) Percentages may not sum to totals due to rounding.

Table 7

Consumers Price Index
Population weights⁽¹⁾
Region/pricing centre

Region/pricing centre	Base population weight	
	June 2006 quarter	June 2008 quarter
	Percent ⁽²⁾	
Auckland	32.63	32.98
Wellington	11.23	11.13
Rest of North Island	32.19	32.04
Whangarei	3.63	3.64
Hamilton	9.39	9.43
Tauranga	4.42	4.45
Rotorua	1.94	1.88
Napier-Hastings	4.74	4.69
New Plymouth	2.56	2.54
Wanganui	1.59	1.56
Palmerston North	3.93	3.86
Canterbury	12.84	12.94
Christchurch	11.46	11.55
Timaru	1.38	1.39
Rest of South Island	11.11	10.92
Nelson	4.04	3.95
Dunedin	4.80	4.77
Invercargill	2.27	2.20
Total	100.00	100.00

(1) Based on the estimated usually resident population of the pricing centre's regional council area. Where there is more than one pricing centre within a region, the proportion of the regional council area allocated to each pricing centre was based on the population of the pricing centre's territorial authority. Regional council areas not containing a pricing centre were allocated to a neighbouring region.

(2) Percentages may not sum to totals due to rounding.

Table 8.01

Consumers Price Index
Groups, subgroups, and classes
 Contribution to all groups and percentage change from previous quarter

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From previous quarter			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Food group	17.83	1.1	2.40	0.209	21.4
Fruit and vegetables	2.41	0.0	0.01	0.001	0.1
Fruit	0.91	-9.2	-1.12	-0.097	-10.0
Vegetables	1.49	6.7	1.13	0.098	10.1
Meat, poultry and fish	2.98	0.1	0.03	0.003	0.3
Meat and poultry	2.55	0.2	0.04	0.004	0.4
Fish and other seafood	0.42	-0.1	-0.01	-0.001	-0.1
Grocery food	6.88	1.5	1.28	0.111	11.4
Bread and cereals	1.97	3.1	0.72	0.063	6.4
Milk, cheese and eggs	1.84	-0.1	-0.01	-0.001	-0.1
Oils and fats	0.32	3.8	0.14	0.012	1.2
Food additives and condiments	0.44	4.4	0.24	0.021	2.1
Confectionery, nuts and snacks	1.63	1.4	0.28	0.025	2.5
Other grocery food	0.68	-1.2	-0.10	-0.009	-0.9
Non-alcoholic beverages	1.82	3.7	0.80	0.070	7.2
Coffee, tea and other hot drinks	0.34	5.9	0.24	0.021	2.2
Soft drinks, waters and juices	1.48	3.1	0.56	0.049	5.0
Restaurant meals and ready-to-eat food	3.75	0.7	0.28	0.024	2.5
Restaurant meals	1.52	0.6	0.11	0.010	1.0
Ready-to-eat food	2.23	0.6	0.16	0.014	1.5
Alcoholic beverages and tobacco group	6.76	-0.6	-0.47	-0.041	-4.2
Alcoholic beverages	4.62	-0.8	-0.46	-0.041	-4.1
Beer	1.83	-0.2	-0.02	-0.002	-0.2
Wine	1.57	-1.5	-0.27	-0.024	-2.4
Spirits and liqueurs	1.21	-1.1	-0.17	-0.015	-1.5
Cigarettes and tobacco	2.15	0.0	0.00	0.000	0.0
Clothing and footwear group	4.48	0.9	0.44	0.038	3.9
Clothing	3.67	0.6	0.21	0.018	1.9
Men's clothing	0.94	1.0	0.10	0.009	0.9
Women's clothing	1.88	-0.4	-0.08	-0.007	-0.7
Children's and infants' clothing	0.56	1.6	0.10	0.008	0.9
Clothing accessories	0.13	6.5	0.08	0.007	0.7
Knitting and sewing supplies	0.07	0.2	0.00	0.000	0.0
Clothing services	0.09	0.3	0.00	0.000	0.0
Footwear	0.81	2.7	0.23	0.020	2.0
Men's footwear	0.21	0.3	0.01	0.001	0.1
Women's footwear	0.51	3.6	0.20	0.017	1.8
Children's and infants' footwear	0.09	2.2	0.02	0.002	0.2
Housing and household utilities group	22.75	0.9	2.39	0.209	21.3
Actual rentals for housing	7.85	0.5	0.51	0.045	4.6
Home ownership	5.51	0.9	0.55	0.048	4.9
Purchase of new housing	5.51	0.9	0.55	0.048	4.9
Property maintenance	2.64	0.5	0.14	0.012	1.2
Property maintenance materials	0.67	0.3	0.02	0.002	0.2
Property maintenance services	1.98	0.5	0.12	0.010	1.0
Property rates and related services	2.68	0.0	0.01	0.001	0.1
Water supply	0.23	0.0	0.00	0.000	0.0
Refuse disposal and recycling	0.13	0.6	0.01	0.001	0.1
Local authority rates and payments	2.32	0.0	0.00	0.000	0.0
Household energy	4.06	2.4	1.18	0.103	10.6
Electricity	3.54	2.7	1.16	0.101	10.3
Gas	0.41	-0.1	0.00	0.000	0.0
Solid fuels	0.11	2.2	0.03	0.002	0.3

Note: For footnotes, see end of table.

Consumers Price Index: June 2011 quarter

Table 8.01
continued

Consumers Price Index
Groups, subgroups, and classes
Contribution to all groups and percentage change from previous quarter

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From previous quarter			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Household contents and services group	5.26	1.4	0.76	0.067	6.8
Furniture, furnishings and floor coverings	1.94	2.0	0.39	0.034	3.4
Furniture and furnishings	1.42	0.4	0.06	0.005	0.6
Carpets and other floor coverings	0.51	5.9	0.32	0.028	2.9
Household textiles	0.44	4.6	0.22	0.019	1.9
Household appliances	1.17	-0.6	-0.08	-0.007	-0.7
Major household appliances	0.95	-0.2	-0.02	-0.001	-0.1
Small electrical household appliances	0.12	-3.2	-0.04	-0.004	-0.4
Repair and hire of household appliances	0.10	-1.5	-0.02	-0.002	-0.2
Glassware, tableware and household utensils	0.30	5.6	0.16	0.014	1.5
Tools and equipment for house and garden	0.53	-0.4	-0.02	-0.002	-0.2
Major tools and equipment for the house and garden	0.25	-1.3	-0.04	-0.004	-0.4
Small tools and accessories for the house and garden	0.28	0.6	0.02	0.002	0.2
Other household supplies and services	0.89	1.0	0.09	0.008	0.8
Cleaning products and other household supplies	0.67	1.2	0.08	0.007	0.7
Other household services	0.22	0.5	0.01	0.001	0.1
Health group	5.09	0.3	0.22	0.019	2.0
Medical products, appliances and equipment	0.98	-0.4	-0.05	-0.004	-0.4
Pharmaceutical products	0.61	-0.8	-0.05	-0.005	-0.5
Other medical products	0.03	0.6	0.00	0.000	0.0
Therapeutic appliances and equipment	0.34	0.1	0.00	0.000	0.0
Out-patient services	3.32	0.6	0.22	0.019	2.0
Medical services	1.97	0.5	0.12	0.011	1.1
Dental services	0.94	0.9	0.10	0.008	0.9
Paramedical services	0.41	0.0	0.00	0.000	0.0
Hospital services	0.78	0.5	0.05	0.004	0.4
Transport group	16.18	2.7	5.02	0.438	44.8
Purchase of vehicles	4.02	1.2	0.58	0.051	5.2
Purchase of new motor cars	1.39	-0.1	-0.02	-0.002	-0.2
Purchase of second-hand motor cars	2.37	2.5	0.66	0.058	5.9
Purchase of motorcycles	0.20	0.1	0.00	0.000	0.0
Purchase of bicycles	0.06	-9.4	-0.07	-0.006	-0.6
Private transport supplies and services	9.24	2.6	2.81	0.245	25.0
Vehicle parts and accessories	0.76	-0.8	-0.06	-0.006	-0.6
Petrol	5.47	4.0	2.43	0.212	21.6
Other vehicle fuels and lubricants	0.58	7.1	0.40	0.035	3.6
Vehicle servicing and repairs	1.36	0.3	0.04	0.004	0.4
Other private transport services	1.07	0.0	0.00	0.000	0.0
Passenger transport services	2.92	5.4	1.64	0.143	14.6
Rail passenger transport	0.07	1.3	0.01	0.001	0.1
Road passenger transport	0.43	-0.8	-0.05	-0.004	-0.4
Domestic air transport	0.64	8.0	0.56	0.049	5.0
International air transport	1.68	6.8	1.10	0.096	9.9
Sea passenger transport	0.10	0.0	0.00	0.000	0.0
Communication group	3.21	-1.2	-0.40	-0.035	-3.6
Postal services	0.17	0.0	0.00	0.000	0.0
Telecommunication equipment	0.20	-6.4	-0.09	-0.008	-0.8
Telecommunication services	2.84	-1.0	-0.31	-0.027	-2.8

Note: For footnotes, see end of table.

Consumers Price Index: June 2011 quarter

Table 8.01
continued

Consumers Price Index
Groups, subgroups, and classes
Contribution to all groups and percentage change from previous quarter

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From previous quarter			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Recreation and culture group	9.54	0.4	0.40	0.034	3.5
Audio-visual and computing equipment	1.82	-2.2	-0.30	-0.026	-2.6
Audio-visual equipment	1.01	-2.4	-0.16	-0.014	-1.4
Computing equipment	0.45	-2.2	-0.08	-0.007	-0.7
Recording media	0.36	-1.7	-0.06	-0.006	-0.6
Major recreational and cultural equipment	0.37	1.9	0.08	0.007	0.7
Other recreational equipment and supplies	2.04	0.4	0.09	0.008	0.8
Games, toys and hobbies	0.52	0.2	0.01	0.001	0.1
Equipment for sport, camping and outdoor recreation	0.45	-1.1	-0.05	-0.005	-0.5
Plants, flowers and gardening supplies	0.51	-0.6	-0.04	-0.003	-0.3
Pet-related products	0.56	2.3	0.17	0.014	1.5
Recreational and cultural services	2.38	1.4	0.38	0.033	3.4
Recreational and sporting services	0.95	0.8	0.08	0.007	0.7
Cultural services	1.20	2.1	0.29	0.025	2.5
Veterinary services	0.22	0.4	0.01	0.001	0.1
Newspapers, books and stationery	1.35	2.3	0.36	0.032	3.2
Books	0.40	0.8	0.04	0.003	0.3
Newspapers and magazines	0.66	0.5	0.04	0.003	0.3
Stationery and drawing materials	0.29	8.9	0.29	0.025	2.6
Accommodation services	0.65	-5.6	-0.42	-0.037	-3.8
Package holidays	0.92	1.9	0.20	0.018	1.8
Education group	1.78	0.1	0.02	0.001	0.1
Early childhood education	0.25	0.5	0.02	0.001	0.1
Primary and secondary education	0.66	0.0	0.00	0.000	0.0
Tertiary and other post-school education	0.83	0.0	0.00	0.000	0.0
Other education	0.04	0.0	0.00	0.000	0.0
Miscellaneous goods and services group	7.12	0.6	0.44	0.038	3.9
Personal care	2.32	0.5	0.12	0.011	1.1
Hairdressing and personal grooming services	0.75	-0.1	0.00	0.000	0.0
Electrical appliances for personal care	0.06	3.1	0.02	0.002	0.2
Other appliances, articles and products for personal care	1.51	0.7	0.11	0.009	1.0
Personal effects	0.47	1.5	0.08	0.007	0.8
Jewellery and watches	0.35	2.1	0.09	0.008	0.8
Other personal effects	0.12	-0.6	-0.01	-0.001	-0.1
Insurance	1.82	0.4	0.09	0.008	0.8
Life insurance	0.83	-1.6	-0.15	-0.013	-1.4
Dwelling insurance	0.12	0.2	0.00	0.000	0.0
Contents insurance	0.24	0.4	0.01	0.001	0.1
Health insurance	0.23	6.7	0.21	0.018	1.9
Vehicle insurance	0.40	0.4	0.02	0.002	0.2
Credit services	0.62	0.1	0.01	0.001	0.1
Other miscellaneous services	1.89	0.6	0.13	0.011	1.2
Vocational services	0.25	2.6	0.07	0.006	0.6
Professional services	0.24	0.9	0.03	0.002	0.2
Real estate services	1.11	0.3	0.04	0.003	0.3
Other miscellaneous services not elsewhere classified	0.30	-0.2	0.00	0.000	0.0
All groups	100.00	1.0	11.22	0.979	100.0

(1) Figures may not add to totals due to rounding.

(2) Official percentage changes calculated from rounded index numbers.

(3) Supplementary analytical information calculated from unrounded index numbers. May differ from the official all groups figures presented in the percentage change column and in table 1.

Consumers Price Index: June 2011 quarter

Table 8.02

Consumers Price Index
Groups, subgroups, and classes
 Contribution to all groups and percentage change from same quarter of previous year

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From same quarter of previous year			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Food group	17.83	7.0	14.15	1.288	24.1
Fruit and vegetables	2.41	12.4	3.22	0.293	5.5
Fruit	0.91	2.2	0.23	0.021	0.4
Vegetables	1.49	19.7	2.99	0.272	5.1
Meat, poultry and fish	2.98	6.5	2.21	0.201	3.8
Meat and poultry	2.55	7.1	2.06	0.187	3.5
Fish and other seafood	0.42	3.1	0.15	0.014	0.3
Grocery food	6.88	6.7	5.27	0.480	9.0
Bread and cereals	1.97	5.5	1.26	0.115	2.1
Milk, cheese and eggs	1.84	8.6	1.75	0.159	3.0
Oils and fats	0.32	5.4	0.19	0.018	0.3
Food additives and condiments	0.44	6.7	0.36	0.033	0.6
Confectionery, nuts and snacks	1.63	7.4	1.36	0.124	2.3
Other grocery food	0.68	4.4	0.35	0.032	0.6
Non-alcoholic beverages	1.82	7.6	1.60	0.146	2.7
Coffee, tea and other hot drinks	0.34	13.0	0.50	0.045	0.8
Soft drinks, waters and juices	1.48	6.3	1.10	0.100	1.9
Restaurant meals and ready-to-eat food	3.75	4.4	1.86	0.169	3.2
Restaurant meals	1.52	4.4	0.76	0.069	1.3
Ready-to-eat food	2.23	4.4	1.10	0.100	1.9
Alcoholic beverages and tobacco group	6.76	7.1	5.57	0.507	9.5
Alcoholic beverages	4.62	2.7	1.42	0.129	2.4
Beer	1.83	4.4	0.96	0.087	1.6
Wine	1.57	0.2	0.03	0.003	0.1
Spirits and liqueurs	1.21	3.1	0.43	0.039	0.7
Cigarettes and tobacco	2.15	16.0	4.15	0.378	7.1
Clothing and footwear group	4.48	-1.0	-0.44	-0.040	-0.8
Clothing	3.67	-1.4	-0.57	-0.052	-1.0
Men's clothing	0.94	-1.7	-0.16	-0.015	-0.3
Women's clothing	1.88	-2.1	-0.45	-0.041	-0.8
Children's and infants' clothing	0.56	-0.4	-0.02	-0.002	0.0
Clothing accessories	0.13	-2.1	-0.03	-0.003	0.0
Knitting and sewing supplies	0.07	1.8	0.01	0.001	0.0
Clothing services	0.09	7.1	0.07	0.007	0.1
Footwear	0.81	1.5	0.13	0.012	0.2
Men's footwear	0.21	-0.8	-0.02	-0.002	0.0
Women's footwear	0.51	3.1	0.17	0.015	0.3
Children's and infants' footwear	0.09	-2.6	-0.03	-0.002	0.0
Housing and household utilities group	22.75	4.4	11.10	1.010	18.9
Actual rentals for housing	7.85	1.8	1.59	0.145	2.7
Home ownership	5.51	3.4	2.02	0.184	3.4
Purchase of new housing	5.51	3.4	2.02	0.184	3.4
Property maintenance	2.64	6.8	1.93	0.176	3.3
Property maintenance materials	0.67	5.5	0.41	0.037	0.7
Property maintenance services	1.98	7.1	1.53	0.139	2.6
Property rates and related services	2.68	6.7	2.13	0.194	3.6
Water supply	0.23	5.8	0.16	0.015	0.3
Refuse disposal and recycling	0.13	4.1	0.06	0.005	0.1
Local authority rates and payments	2.32	6.9	1.92	0.174	3.3
Household energy	4.06	7.5	3.42	0.312	5.8
Electricity	3.54	7.8	3.15	0.287	5.4
Gas	0.41	4.9	0.23	0.021	0.4
Solid fuels	0.11	3.2	0.04	0.004	0.1

Note: For footnotes, see end of table.

Consumers Price Index: June 2011 quarter

Table 8.02
continued

Consumers Price Index
Groups, subgroups, and classes

Contribution to all groups and percentage change from same quarter of previous year

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From same quarter of previous year			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Household contents and services group	5.26	0.8	0.42	0.038	0.7
Furniture, furnishings and floor coverings	1.94	1.1	0.22	0.020	0.4
Furniture and furnishings	1.42	-1.6	-0.24	-0.021	-0.4
Carpets and other floor coverings	0.51	8.6	0.46	0.042	0.8
Household textiles	0.44	4.4	0.21	0.019	0.4
Household appliances	1.17	-2.2	-0.29	-0.026	-0.5
Major household appliances	0.95	-2.3	-0.23	-0.021	-0.4
Small electrical household appliances	0.12	-5.6	-0.08	-0.007	-0.1
Repair and hire of household appliances	0.10	1.9	0.02	0.002	0.0
Glassware, tableware and household utensils	0.30	-2.0	-0.06	-0.006	-0.1
Tools and equipment for house and garden	0.53	0.2	0.01	0.001	0.0
Major tools and equipment for the house and garden	0.25	0.6	0.02	0.002	0.0
Small tools and accessories for the house and garden	0.28	-0.2	-0.01	-0.001	0.0
Other household supplies and services	0.89	3.5	0.33	0.030	0.6
Cleaning products and other household supplies	0.67	2.7	0.19	0.017	0.3
Other household services	0.22	6.1	0.14	0.013	0.2
Health group	5.09	6.6	3.85	0.350	6.5
Medical products, appliances and equipment	0.98	1.9	0.21	0.020	0.4
Pharmaceutical products	0.61	2.2	0.15	0.014	0.3
Other medical products	0.03	3.2	0.01	0.001	0.0
Therapeutic appliances and equipment	0.34	1.4	0.05	0.005	0.1
Out-patient services	3.32	8.5	3.22	0.293	5.5
Medical services	1.97	7.8	1.75	0.160	3.0
Dental services	0.94	6.8	0.72	0.065	1.2
Paramedical services	0.41	16.9	0.75	0.068	1.3
Hospital services	0.78	4.5	0.41	0.038	0.7
Transport group	16.18	11.0	18.69	1.702	31.8
Purchase of vehicles	4.02	4.3	1.93	0.176	3.3
Purchase of new motor cars	1.39	1.5	0.24	0.022	0.4
Purchase of second-hand motor cars	2.37	6.6	1.71	0.156	2.9
Purchase of motorcycles	0.20	2.4	0.05	0.005	0.1
Purchase of bicycles	0.06	-10.0	-0.07	-0.006	-0.1
Private transport supplies and services	9.24	15.0	14.32	1.304	24.4
Vehicle parts and accessories	0.76	0.7	0.06	0.005	0.1
Petrol	5.47	20.1	10.63	0.968	18.1
Other vehicle fuels and lubricants	0.58	29.8	1.39	0.127	2.4
Vehicle servicing and repairs	1.36	3.9	0.60	0.054	1.0
Other private transport services	1.07	11.9	1.64	0.150	2.8
Passenger transport services	2.92	8.4	2.44	0.222	4.1
Rail passenger transport	0.07	4.8	0.04	0.004	0.1
Road passenger transport	0.43	6.1	0.29	0.026	0.5
Domestic air transport	0.64	19.1	1.22	0.111	2.1
International air transport	1.68	5.4	0.88	0.080	1.5
Sea passenger transport	0.10	1.2	0.01	0.001	0.0
Communication group	3.21	-1.4	-0.46	-0.041	-0.8
Postal services	0.17	8.3	0.15	0.014	0.3
Telecommunication equipment	0.20	-20.8	-0.34	-0.031	-0.6
Telecommunication services	2.84	-0.9	-0.27	-0.025	-0.5

Note: For footnotes, see end of table.

Consumers Price Index: June 2011 quarter

Table 8.02
continued

Consumers Price Index
Groups, subgroups, and classes
Contribution to all groups and percentage change from same quarter of previous year

Group, subgroup, or class	Expenditure (weight) June 2008 quarter ⁽¹⁾	From same quarter of previous year			
		Percentage change ⁽²⁾	Index points contribution ⁽¹⁾⁽³⁾	Percentage points contribution ⁽¹⁾⁽³⁾	Percentage contribution ⁽¹⁾⁽³⁾
Recreation and culture group	9.54	1.9	1.94	0.176	3.3
Audio-visual and computing equipment	1.82	-8.3	-1.18	-0.108	-2.0
Audio-visual equipment	1.01	-13.7	-0.96	-0.087	-1.6
Computing equipment	0.45	-7.2	-0.27	-0.024	-0.5
Recording media	0.36	1.3	0.04	0.004	0.1
Major recreational and cultural equipment	0.37	3.1	0.13	0.012	0.2
Other recreational equipment and supplies	2.04	0.6	0.15	0.013	0.3
Games, toys and hobbies	0.52	-2.6	-0.14	-0.013	-0.2
Equipment for sport, camping and outdoor recreation	0.45	-3.4	-0.17	-0.015	-0.3
Plants, flowers and gardening supplies	0.51	2.3	0.14	0.013	0.2
Pet-related products	0.56	4.4	0.31	0.029	0.5
Recreational and cultural services	2.38	4.8	1.28	0.116	2.2
Recreational and sporting services	0.95	3.8	0.42	0.038	0.7
Cultural services	1.20	5.4	0.71	0.065	1.2
Veterinary services	0.22	5.8	0.15	0.013	0.2
Newspapers, books and stationery	1.35	4.2	0.65	0.059	1.1
Books	0.40	4.7	0.22	0.020	0.4
Newspapers and magazines	0.66	4.0	0.31	0.028	0.5
Stationery and drawing materials	0.29	3.8	0.13	0.012	0.2
Accommodation services	0.65	2.5	0.17	0.016	0.3
Package holidays	0.92	7.3	0.75	0.068	1.3
Education group	1.78	6.7	1.37	0.125	2.3
Early childhood education	0.25	11.7	0.32	0.029	0.5
Primary and secondary education	0.66	5.1	0.39	0.036	0.7
Tertiary and other post-school education	0.83	6.4	0.63	0.057	1.1
Other education	0.04	5.4	0.03	0.002	0.0
Miscellaneous goods and services group	7.12	3.4	2.60	0.237	4.4
Personal care	2.32	3.7	0.93	0.084	1.6
Hairdressing and personal grooming services	0.75	5.4	0.45	0.041	0.8
Electrical appliances for personal care	0.06	5.0	0.03	0.003	0.0
Other appliances, articles and products for personal care	1.51	2.7	0.45	0.041	0.8
Personal effects	0.47	4.5	0.25	0.023	0.4
Jewellery and watches	0.35	6.9	0.29	0.027	0.5
Other personal effects	0.12	-3.1	-0.04	-0.004	-0.1
Insurance	1.82	3.6	0.76	0.069	1.3
Life insurance	0.83	1.4	0.13	0.012	0.2
Dwelling insurance	0.12	4.9	0.08	0.007	0.1
Contents insurance	0.24	7.2	0.20	0.019	0.3
Health insurance	0.23	11.4	0.34	0.031	0.6
Vehicle insurance	0.40	0.1	0.00	0.000	0.0
Credit services	0.62	1.8	0.11	0.010	0.2
Other miscellaneous services	1.89	2.7	0.56	0.051	0.9
Vocational services	0.25	3.8	0.10	0.009	0.2
Professional services	0.24	6.8	0.18	0.017	0.3
Real estate services	1.11	0.8	0.10	0.009	0.2
Other miscellaneous services not elsewhere classified	0.30	5.0	0.17	0.016	0.3
All groups	100.00	5.3	58.79	5.352	100.0

(1) Figures may not add to totals due to rounding.

(2) Official percentage changes calculated from rounded index numbers.

(3) Supplementary analytical information calculated from unrounded index numbers. May differ from the official all groups figures presented in the percentage change column and in table 1.

Table 9

Consumers Price Index
Expenditure weights
Groups, subgroups, and classes

Group, subgroup, or class	Base quarter expenditure weight		
	June 2002	June 2006	June 2008
	Percent ⁽¹⁾		
Food group	17.21	17.38	17.83
Fruit and vegetables	2.03	2.20	2.41
Fruit	0.90	0.87	0.91
Vegetables	1.13	1.33	1.49
Meat, poultry and fish	3.28	2.82	2.98
Meat and poultry	2.93	2.48	2.55
Fish and other seafood	0.36	0.34	0.42
Grocery food	6.54	6.70	6.88
Bread and cereals	1.90	2.01	1.97
Milk, cheese and eggs	1.55	1.57	1.84
Oils and fats	0.33	0.31	0.32
Food additives and condiments	0.55	0.46	0.44
Confectionery, nuts and snacks	1.60	1.65	1.63
Other grocery food	0.59	0.70	0.68
Non-alcoholic beverages	1.76	1.62	1.82
Coffee, tea and other hot drinks	0.28	0.32	0.34
Soft drinks, waters and juices	1.48	1.30	1.48
Restaurant meals and ready-to-eat food	3.60	4.03	3.75
Restaurant meals	1.64	1.79	1.52
Ready-to-eat food	1.96	2.24	2.23
Alcoholic beverages and tobacco group	8.72	7.20	6.76
Alcoholic beverages	6.43	4.97	4.62
Beer	2.81	2.18	1.83
Wine	1.54	1.51	1.57
Spirits and liqueurs	2.08	1.28	1.21
Cigarettes and tobacco	2.29	2.23	2.15
Clothing and footwear group	4.77	4.75	4.48
Clothing	3.89	3.95	3.67
Men's clothing	1.19	1.08	0.94
Women's clothing	1.86	2.00	1.88
Children's and infants' clothing	0.63	0.73	0.56
Clothing accessories	...	...	0.13
Knitting and sewing supplies	0.13	0.07	0.07
Clothing services	0.08	0.07	0.09
Footwear	0.88	0.80	0.81
Men's footwear	0.32	0.24	0.21
Women's footwear	0.41	0.43	0.51
Children's and infants' footwear	0.15	0.12	0.09
Housing and household utilities group	21.52	20.02	22.75
Actual rentals for housing	5.54	6.87	7.85
Home ownership	8.47	4.66	5.51
Purchase of new housing	8.47	4.66	5.51
Property maintenance	2.12	2.24	2.64
Property maintenance materials	1.08	0.63	0.67
Property maintenance services	1.04	1.61	1.98
Property rates and related services	2.34	2.44	2.68
Water supply	0.16	0.16	0.23
Refuse disposal and recycling	0.14	0.12	0.13
Local authority rates and payments	2.04	2.16	2.32
Household energy	3.04	3.82	4.06
Electricity	2.73	3.29	3.54
Gas	0.20	0.40	0.41
Solid fuels	0.11	0.13	0.11

Note: For footnotes, see end of table.

Consumers Price Index: June 2011 quarter

Table 9
continued

Consumers Price Index
Expenditure weights
Groups, subgroups, and classes

Group, subgroup, or class	Base quarter expenditure weight		
	June 2002	June 2006	June 2008
	Percent ⁽¹⁾		
Household contents and services group	5.13	5.49	5.26
Furniture, furnishings and floor coverings	1.91	2.07	1.94
Furniture and furnishings	1.50	1.59	1.42
Carpets and other floor coverings	0.41	0.49	0.51
Household textiles	0.51	0.53	0.44
Household appliances	1.26	1.16	1.17
Major household appliances	1.08	0.89	0.95
Small electrical household appliances	0.05	0.15	0.12
Repair and hire of household appliances	0.12	0.13	0.10
Glassware, tableware and household utensils	0.32	0.35	0.30
Tools and equipment for house and garden	0.48	0.45	0.53
Major tools and equipment for the house and garden	0.21	0.18	0.25
Small tools and accessories for the house and garden	0.27	0.27	0.28
Other household supplies and services	0.66	0.93	0.89
Cleaning products and other household supplies	0.59	0.77	0.67
Other household services	0.06	0.16	0.22
Health group	4.83	5.23	5.09
Medical products, appliances and equipment	0.62	1.13	0.98
Pharmaceutical products	0.54	0.77	0.61
Other medical products	0.04	0.04	0.03
Therapeutic appliances and equipment	0.04	0.33	0.34
Out-patient services	3.54	3.42	3.32
Medical services	2.62	2.09	1.97
Dental services	0.70	0.86	0.94
Paramedical services	0.21	0.47	0.41
Hospital services	0.67	0.68	0.78
Transport group	15.51	17.24	16.18
Purchase of vehicles	4.48	5.24	4.02
Purchase of new motor cars	1.25	1.69	1.39
Purchase of second-hand motor cars	3.12	3.30	2.37
Purchase of motorcycles	0.07	0.19	0.20
Purchase of bicycles	0.04	0.05	0.06
Private transport supplies and services	6.22	9.27	9.24
Vehicle parts and accessories	0.47	0.72	0.76
Petrol	3.12	5.38	5.47
Other vehicle fuels and lubricants	0.26	0.44	0.58
Vehicle servicing and repairs	1.14	1.48	1.36
Other private transport services	1.22	1.27	1.07
Passenger transport services	4.82	2.73	2.92
Rail passenger transport	0.25	0.08	0.07
Road passenger transport	0.49	0.46	0.43
Domestic air transport	0.84	0.73	0.64
International air transport	3.11	1.36	1.68
Sea passenger transport	0.13	0.10	0.10
Communication group	2.92	3.26	3.21
Postal services	0.12	0.16	0.17
Telecommunication equipment	0.15	0.15	0.20
Telecommunication services	2.65	2.96	2.84

Note: For footnotes, see end of table.

Table 9
continued

Consumers Price Index
Expenditure weights
Groups, subgroups, and classes

Group, subgroup, or class	Base quarter expenditure weight		
	June 2002	June 2006	June 2008
	Percent ⁽¹⁾		
Recreation and culture group	9.73	10.21	9.54
Audio-visual and computing equipment	1.78	1.83	1.82
Audio-visual equipment	0.74	0.94	1.01
Computing equipment	0.52	0.49	0.45
Recording media	0.47	0.40	0.36
Major recreational and cultural equipment	0.87	0.42	0.37
Other recreational equipment and supplies	2.00	2.01	2.04
Games, toys and hobbies	0.28	0.37	0.52
Equipment for sport, camping and outdoor recreation	0.32	0.47	0.45
Plants, flowers and gardening supplies	0.89	0.57	0.51
Pet-related products	0.52	0.59	0.56
Recreational and cultural services	2.55	2.88	2.38
Recreational and sporting services	1.01	1.01	0.95
Cultural services	1.31	1.63	1.20
Veterinary services	0.23	0.24	0.22
Newspapers, books and stationery	1.89	1.58	1.35
Books	0.23	0.45	0.40
Newspapers and magazines	1.33	0.87	0.66
Stationery and drawing materials	0.11	0.26	0.29
Accommodation services	0.57	0.66	0.65
Package holidays	0.06	0.84	0.92
Education group	1.65	2.08	1.78
Early childhood education	0.48	0.35	0.25
Primary and secondary education	0.21	0.70	0.66
Tertiary and other post-school education	0.96	1.03	0.83
Other education	...	...	0.04
Miscellaneous goods and services group	8.01	7.13	7.12
Personal care	2.02	2.14	2.32
Hairdressing and personal grooming services	0.52	0.67	0.75
Electrical appliances for personal care	0.02	0.02	0.06
Other appliances, articles and products for personal care	1.49	1.44	1.51
Personal effects	0.45	0.58	0.47
Jewellery and watches	0.28	0.37	0.35
Other personal effects	0.18	0.22	0.12
Insurance	3.71	1.70	1.82
Life insurance	0.70	0.69	0.83
Dwelling insurance	0.51	0.19	0.12
Contents insurance	1.04	0.25	0.24
Health insurance	0.15	0.18	0.23
Vehicle insurance	1.30	0.38	0.40
Credit services	0.58	0.76	0.62
Other miscellaneous services	1.25	1.95	1.89
Vocational services	0.18	0.30	0.25
Professional services	0.31	0.35	0.24
Real estate services	0.69	1.11	1.11
Other miscellaneous services not elsewhere classified	0.07	0.19	0.30
All groups	100.00	100.00	100.00

(1) Figures may not add to totals due to rounding.

Symbol:

... not applicable

Consumers Price Index: June 2011 quarter

Table 10

Consumers Price Index
COICOP⁽¹⁾ divisions – index numbers and percentage changes
 Base: June 2006 quarter (=1000)

Division	Series ref: CPIQ	Quarter				
		2010			2011	
		Jun	Sep	Dec	Mar	Jun
Index						
Food and non-alcoholic beverages	SE9NS2000	1193	1229	1254	1270	1286
Alcoholic beverages, tobacco and narcotics	SE9NS2010	1155	1185	1198	1251	1241
Clothing and footwear	SE9NS2020	1028	1020	1020	1009	1018
Housing, water, electricity, gas and other fuels	SE9NS2030	1155	1171	1190	1194	1205
Furnishings, household equipment and routine household maintenance	SE9NS2040	1011	1005	1023	1003	1017
Health	SE9NS2050	1085	1096	1144	1153	1157
Transport	SE9NS2060	1052	1062	1108	1136	1167
Communication	SE9NS2070	969	968	975	967	955
Recreation and culture	SE9NS2080	985	991	1017	995	1004
Education	SE9NS2090	1109	1112	1118	1182	1183
Restaurants and hotels	SE9NS2100	1167	1173	1208	1223	1221
Miscellaneous goods and services	SE9NS2110	1099	1105	1124	1130	1136
Percentage change from previous quarter						
Food and non-alcoholic beverages		-1.3	3.0	2.0	1.3	1.3
Alcoholic beverages, tobacco and narcotics		4.4	2.6	1.1	4.4	-0.8
Clothing and footwear		0.7	-0.8	0.0	-1.1	0.9
Housing, water, electricity, gas and other fuels		0.5	1.4	1.6	0.3	0.9
Furnishings, household equipment and routine household maintenance		-0.3	-0.6	1.8	-2.0	1.4
Health		0.6	1.0	4.4	0.8	0.3
Transport		0.1	1.0	4.3	2.5	2.7
Communication		-0.4	-0.1	0.7	-0.8	-1.2
Recreation and culture		-0.5	0.6	2.6	-2.2	0.9
Education		0.0	0.3	0.5	5.7	0.1
Restaurants and hotels		-0.1	0.5	3.0	1.2	-0.2
Miscellaneous goods and services		0.2	0.5	1.7	0.5	0.5
Percentage change from same quarter of previous year						
Food and non-alcoholic beverages		-1.4	-0.4	4.9	5.0	7.8
Alcoholic beverages, tobacco and narcotics		5.9	7.3	10.0	13.1	7.4
Clothing and footwear		1.2	0.5	-1.3	-1.2	-1.0
Housing, water, electricity, gas and other fuels		1.8	2.4	3.8	3.9	4.3
Furnishings, household equipment and routine household maintenance		-2.0	-2.3	-0.5	-1.1	0.6
Health		3.6	3.2	7.1	7.0	6.6
Transport		5.8	3.6	6.6	8.1	10.9
Communication		-2.0	-1.9	-0.6	-0.6	-1.4
Recreation and culture		-0.9	-1.4	1.1	0.5	1.9
Education		4.8	5.1	5.7	6.6	6.7
Restaurants and hotels		2.3	1.8	4.1	4.7	4.6
Miscellaneous goods and services		0.5	0.5	2.1	3.0	3.4

(1) United Nations Classification of Individual Consumption According to Purpose. These series have been created for analytical purposes. They were constructed by reclassifying the New Zealand CPI basket of goods and services classified under the New Zealand Household Expenditure Classification to the divisional level of the UN classification.

Consumers Price Index: June 2011 quarter

Table 11

Consumers Price Index
Trimmed means and all groups
Percentage changes⁽¹⁾

	Level of trim (percent)						All groups ⁽²⁾
	5	10	15	20	25	30	
Series ref: CPIQ	SE9NS4000	SE9NS4005	SE9NS4010	SE9NS4015	SE9NS4020	SE9NS4025	
Percentage change from previous quarter							
Quarter							
2008 Jun	1.3	1.2	1.0	1.0	0.9	0.9	1.6
Sep	1.2	1.3	1.3	1.3	1.3	1.2	1.5
Dec	-0.2	0.2	0.6	0.6	0.6	0.6	-0.5
2009 Mar	0.5	0.6	0.6	0.6	0.6	0.6	0.3
Jun	0.8	0.9	0.9	0.9	0.8	0.8	0.6
Sep	0.9	0.9	0.9	0.8	0.8	0.7	1.3
Dec	0.0	0.0	0.0	0.1	0.1	0.1	-0.2
2010 Mar	0.4	0.4	0.3	0.3	0.3	0.3	0.4
Jun	0.2	0.2	0.2	0.2	0.3	0.3	0.2
Sep	0.8	0.8	0.8	0.8	0.8	0.8	1.1
Dec	2.3	2.2	2.2	2.1	2.1	2.0	2.3
2011 Mar	0.9	0.9	0.8	0.7	0.6	0.5	0.8
Jun	0.9	0.9	0.9	0.8	0.8	0.8	1.0
Series ref: CPIQ	SE9NS4250	SE9NS4255	SE9NS4260	SE9NS4265	SE9NS4270	SE9NS4275	
Percentage change from same quarter of previous year							
Using June 2006 quarter weights⁽³⁾							
Quarter							
2008 Jun	4.0	3.8	3.5	3.4	3.4	3.4	4.0
Sep	4.6	4.2	3.9	3.8	3.7	3.7	5.1
Dec	3.3	3.2	3.1	3.1	3.2	3.3	3.4
2009 Mar	3.0	3.0	3.1	3.1	3.2	3.3	3.0
Series ref: CPIQ	SE9NS4450	SE9NS4455	SE9NS4460	SE9NS4465	SE9NS4470	SE9NS4475	
Using June 2008 quarter weights⁽⁴⁾							
Quarter							
2008 Dec	3.1	3.1	3.0	3.1	3.1	3.2	3.4
2009 Mar	2.9	2.9	2.9	3.0	3.1	3.2	3.0
Jun	2.1	2.2	2.5	2.6	2.7	2.8	1.9
Sep	1.8	2.0	2.3	2.5	2.6	2.6	1.7
Dec	2.2	2.2	2.3	2.3	2.4	2.4	2.0
2010 Mar	2.2	2.3	2.2	2.2	2.2	2.1	2.0
Jun	1.7	1.8	1.8	1.8	1.8	1.8	1.7
Sep	1.6	1.7	1.7	1.7	1.8	1.8	1.5
Dec	3.9	3.9	3.8	3.7	3.6	3.5	4.0
2011 Mar	4.3	4.2	4.0	3.9	3.8	3.8	4.5
Jun	5.2	5.1	4.9	4.7	4.6	4.6	5.3

(1) Calculated from unrounded index numbers for the trimmed mean measures. Calculated from rounded index numbers for the all groups measure.

(2) This measure is equivalent to a 0 percent trim.

(3) The June 2006 weights have been 'price updated', or 'price backdated', to the earlier of the two periods in the comparison.

(4) The June 2008 weights have been 'price updated', or 'price backdated', to the earlier of the two periods in the comparison.

Table 12

Consumers Price Index
Weighted percentiles and all groups
Percentage changes ⁽¹⁾

		Weighted percentile					All groups
		10th	25th	Median	75th	90th	
Series ref: CPIQ		SE9NS4100	SE9NS4105	SE9NS4110	SE9NS4115	SE9NS4120	
Percentage change from previous quarter							
Quarter							
2008	Jun	-1.5	0.0	0.8	2.0	4.9	1.6
	Sep	-1.8	0.0	1.0	2.4	4.7	1.5
	Dec	-3.1	-0.3	0.5	1.6	4.4	-0.5
2009	Mar	-2.0	0.0	0.3	1.7	3.6	0.3
	Jun	-1.8	0.0	0.4	1.8	3.9	0.6
	Sep	-1.1	0.0	0.3	1.9	4.2	1.3
	Dec	-3.0	-0.5	0.2	0.7	2.2	-0.2
2010	Mar	-2.8	-0.1	0.2	1.0	3.5	0.4
	Jun	-2.6	-0.1	0.4	1.0	2.3	0.2
	Sep	-1.3	0.0	0.5	2.1	3.5	1.1
	Dec	-0.4	0.5	2.0	3.4	6.5	2.3
2011	Mar	-2.4	0.0	0.3	1.7	6.4	0.8
	Jun	-1.7	0.0	0.5	2.2	4.0	1.0
Series ref: CPIQ		SE9NS4350	SE9NS4355	SE9NS4360	SE9NS4365	SE9NS4370	
Percentage change from same quarter of previous year							
Using June 2006 quarter weights ⁽²⁾							
Quarter							
2008	Jun	-2.6	0.3	3.4	6.0	10.9	4.0
	Sep	-3.8	0.2	3.7	6.7	14.8	5.1
	Dec	-4.9	0.1	3.0	6.3	9.7	3.4
2009	Mar	-5.5	0.2	3.1	6.3	9.8	3.0
Series ref: CPIQ		SE9NS4480	SE9NS4550	SE9NS4555	SE9NS4560	SE9NS4565	
Using June 2008 quarter weights ⁽³⁾							
Quarter							
2008	Dec	-4.9	0.1	3.0	6.3	9.7	3.4
2009	Mar	-5.9	0.3	2.9	6.3	9.8	3.0
	Jun	-7.0	0.7	2.9	5.6	9.5	1.9
	Sep	-11.5	0.0	2.8	5.2	10.4	1.7
	Dec	-4.5	0.4	2.2	4.7	7.9	2.0
2010	Mar	-3.5	0.2	1.7	4.5	9.9	2.0
	Jun	-4.6	0.0	1.3	4.5	8.8	1.7
	Sep	-5.0	-0.1	1.6	3.9	6.2	1.5
	Dec	-2.4	1.0	3.2	6.3	13.6	4.0
2011	Mar	-2.1	1.5	3.3	6.6	13.8	4.5
	Jun	-1.3	1.6	4.4	7.9	15.1	5.3

(1) Calculated from unrounded index numbers for the weighted percentile measures. Calculated from rounded index numbers for the all groups measure.

(2) The June 2006 weights have been 'price updated', or 'price backdated', to the earlier of the two periods in the comparison.

(3) The June 2008 weights have been 'price updated', or 'price backdated', to the earlier of the two periods in the comparison.