

Tokelau

A: Identification

Title of the CPI: Consumer Price Index

Organisation responsible: Tokelau National Statistics Office

Periodicity: Quarterly

Index reference period: June 2012 quarter = 100

Weights reference period: 2012

Main uses of CPI: Indexation of wages, pensions and/or social security payment, indexation of rents, contracts and/or other payments, main inflation indicator used for monetary policy, deflate household expenditures in national accounts , macroeconomic modelling and other analytic uses.

B: CPI Coverage

Geographical Coverage

Weights: Nation-wide

Price collection: Nation-wide

Population coverage: Resident households of nationals.

Population groups excluded: Institutional households

C: Concepts, definitions, classifications and weights

Definition of the CPI and its objectives: The consumer price index (CPI) measures the changing prices of a fixed basket of goods and services purchased by Tokelau households.

Definition of consumption expenditures: The Tokelau CPI is based on a 'payment' concept. The payment approach measures price change over time for the net expenditure on goods and services by the household sector overall. The payment approach relates to the period of time when the actual payments for the product are made. This can differ from the period when it is acquired and when it is used.

Classification: COICOP (Classification of individual consumption by purpose) education and rental accommodation, and housing construction not included.

Sources of weights: The source of weights is based on administrative information compiled from several sources across the wider Tokelau Government.

Frequency of weight updates: Every 3-5 years

Price updating of weight reference period to the index reference period: No, not needed.

D: Sample design

E: Data Collection

Frequency with which prices are collected: Prices are collected once each quarter, except for services such as transport, telecommunications, and energy.

Methods of Price Collection

- Personal data collection
- Mailed questionnaires
- Contacting Samoan Bureau of statistics

Treatment of:

Missing or faulty prices: Imputation of missing prices is done by either carrying forward the previous quarter's price, or by applying the movements of similar categories of items.

Treatment of seasonal items and seasonality

Treatment of housing

F: Computation

Formula used for calculation of elementary indices: The ratio of arithmetic mean prices (Dutot index) (Direct form)

Formula to aggregate elementary indices to higher level indices: The index is calculated using the price relative form of the base weighted Laspeyre's formula. The Laspeyres index formula is give as

$$\text{Index} = \frac{\sum(P_{it}Q_{it})}{\sum(P_{i0}Q_{i0})} \times 1000$$

where

P_{it} = Price of item i ($i = 1, \dots, m$) in period t

P_{i0} = Price of item i ($i = 1, \dots, m$) in the base period

Q_{i0} = Quantity of item i purchased in the base period.

The Laspeyres index measures the change in cost of purchasing the same basket of goods and services in the current period as was purchased in the specified base period. The prices are weighted by quantities in the base period. The price relative form of the Laspeyres index is used by TNSO, this is defined as

$$\text{Index} = \frac{\sum E_{i0} \frac{P_{it}}{P_{i0}}}{\sum E_{i0}} \times 1000$$

where

P_{it} = Price of item i ($i = 1, \dots, m$) in period t

P_{i0} = Price of item i ($i = 1, \dots, m$) in the base period

E_{i0} = Expenditure of item i in the base period = $P_{i0} Q_{i0}$.

It produces the same results as the basic Laspeyres formula but means that expenditure data can be used directly in the index formula.

G: Editing and validation procedures

H: Documentation and dissemination

Timeliness of dissemination of the CPI data: Quarterly CPI data is published within one month of the quarter's end.

Level of detailed CPI published

Paper publication: All items CPI, Division-level (12 Divisions)

Online: All items CPI, Division-level (12 Divisions)

Documentation

Publications and websites where indices can be found: Consumer Price Index - quarterly. Internet website:

<http://www.tokelau.org.nz/Tokelau+Government/Government+Departments/O+ffice+of+the+Council+for+the+Ongoing+Government+OCOG/Tokelau+National+Statistics+Office/CPI.html>

Publications and websites where methodological information can be found: CPI technical note can be found at

<http://www.tokelau.org.nz/Tokelau+Government/Government+Departments/O+ffice+of+the+Council+for+the+Ongoing+Government+OCOG/Tokelau+National+Statistics+Office/CPI.html>

I: Other Information

Completed by ILO in 2013.