

Mihī (welcome in te reo Maori)

*Tena koutou, tena koutou, tena
koutou katoa*

*kua tai mai nei ki te ako o te
tatauranga Tokelau.*

Ko Hamoa toku iwi i te wa,

ko Vaea toku maunga,

ko Vaisigano toku awa,

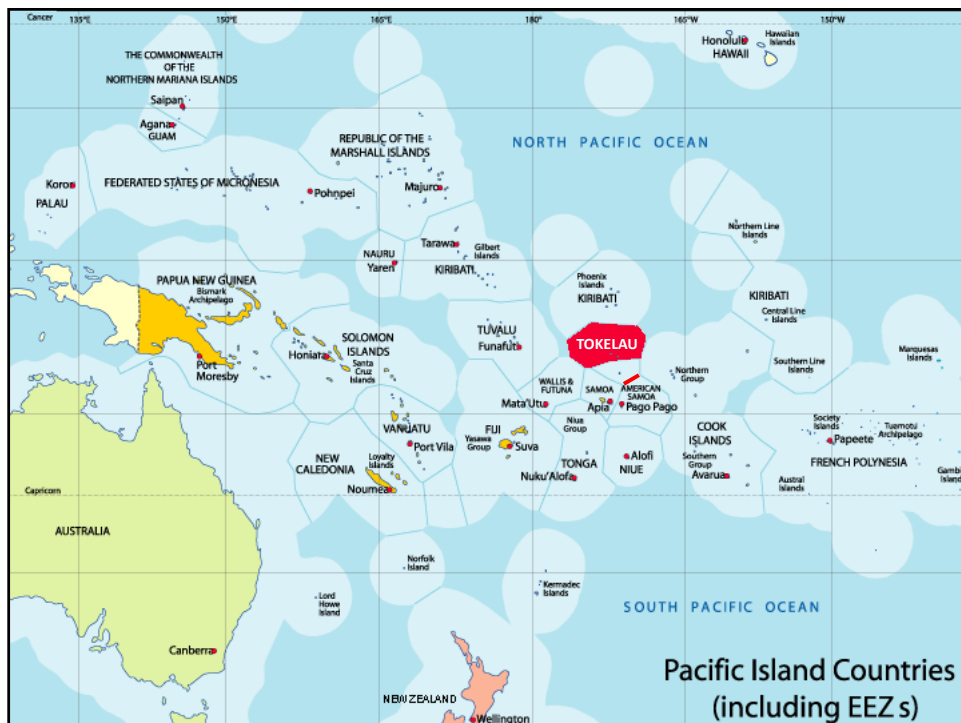
ko iapi toku ingoa.

Tihei, mauri ora!

What and where in the world is Tokelau?



- Three atolls, total land mass 10-12 km²
- Low-lying, max. 5 m above sea level
- De jure population 1,499 (2016 Census)
- Economic activity within nuku very low
- Main employer: Government
 - Three villages with own public service
 - National public service mainly in Apia
- Nearest port: Apia in [Western] Samoa
- No air service, only boats (>24 h one-way)
- A New Zealand non-self-governing territory
- Main sources of national income:
 - Grants (NZaid)
 - Fisheries income as Partner to the Nauru Agreement (PNA, based in Majuro, RMI) and as member of the Forum Fisheries Agency (FFA, based in Honiara, SI)
- Very large Exclusive Economic Zone relative to land: 320,000 km²



Tokelau macro-economics (mainly 2015/16)

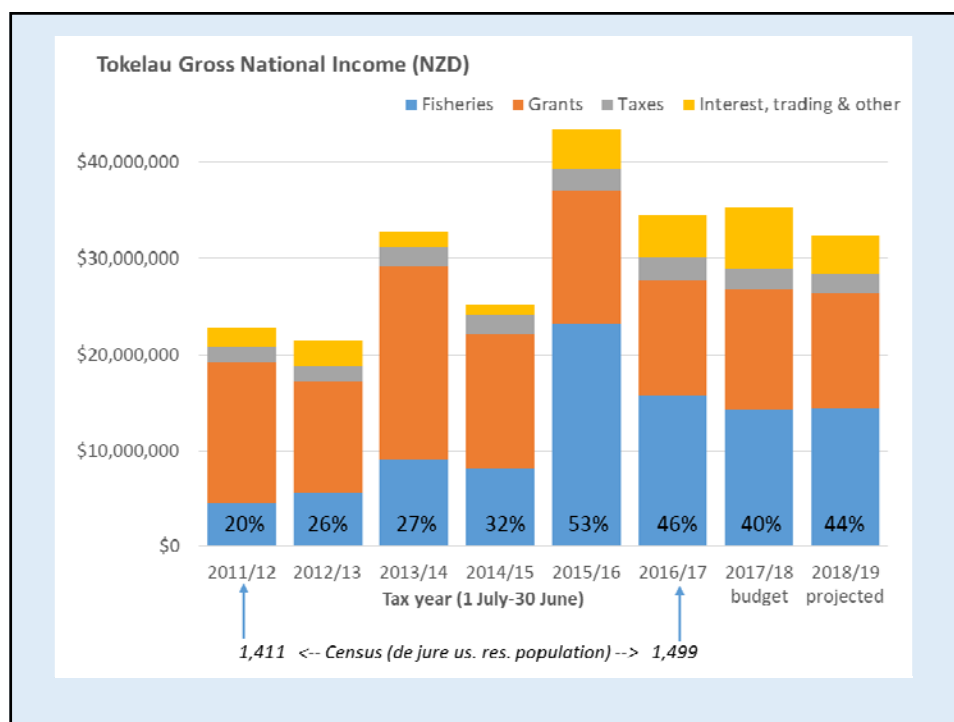
Tokelau Gross Domestic Product (GDP) 2015/16: NZD 14 million
*determined mostly from staff salaries = main form of local productivity:
 not so much of goods, but of service delivery*

Per capita GDP: 2015/16: USD 6,275
about in middle (median) of all Pacific Island Countries and Territories

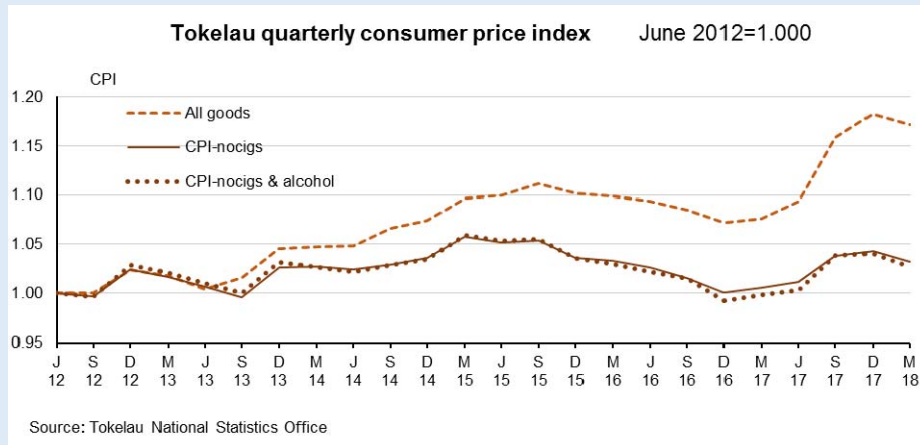
Gross National Income (GNI) 2015/16: NZD 43.5 m
comprises mostly Grants (NZ Aid): 32% and Fisheries income: 53%; Taxes: 5%
 Per capita GNI: 2015/16: USD 19,500

*Note: Fisheries income is like Rent: not actual "Domestic Production"
 unless fish were processed locally, or unless fishing crew were Tokelauan*

**Only 10% of GNI is from Interest, Trading (coins, stamps) and Other –
 plenty of scope for improvement here: hence Economic summit...**



Inflation: measured since mid-2012: 17% to date
but only 3% if cigarettes are taken out of the equation



tinyurl.com/TokelauCPI

Tokelau National Statistics Office (TNSO)

We operate under formal legislation:
Tokelau Statistics Rules (2013)

Nominally 3 staff:

- National Statistician
- Statistics Adviser
- Statistics Officer

Government of Tokelau
Mala ni and Welcome to our Official Website

[ABOUT US](#) [CLIMATE CHANGE](#) [CRAFTS](#) [JOBS](#) [REPORTS](#) [STATISTICS](#) [CONTACT](#)

Home > Tokelau Government > Government Departments > Office of the Council for the Ongoing Government (QCQG) > Tokelau National Statistics Office > Tokelau Statistics Rules (2013)

Tokelau Statistics Rules (2013) / Tulafono mo Fuainumela Fakamaumau (2013)



Office of the Council for the Ongoing Government of Tokelau
Tokelau National Statistics Office



Ofiisa o te Fono a te Mala Fakamaumau o Tokelau
Ofiisa o Fuainumela Fakamaumau a Tokelau

| | |
|---|---|
| <ol style="list-style-type: none"> 1 Name 2 Interpretation 3 The role of the National Statistician 4 Interaction with other government departments 5 Employment in the Office 6 Duties of the National Statistician 7 Census of population and dwellings and the population count 8 Declaration of secrecy 9 Official statistics and coordination 10 Statistical surveys and censuses 11 Security of information 12 National Statistician can disclose some information 13 Breach of the declaration of secrecy or privacy of information 14 Persons to fill in forms 15 Neglect or refusal to supply information 16 False statement 17 Mutilation or defacement of forms 18 Obstruction of the National Statistician 19 Impersonation 20 Limitations of prosecution 21 Repeal <p>Schedule 1: Declaration of secrecy</p> | <ol style="list-style-type: none"> 1 Igoa 2 Fakauligaga 3 Te tulaga o te Tino Fakauluulu O Fuainumela Fakamaumau 4 Hokotaga ma letahi mataeae a te malo 5 Galuega i loto o te Ofiisa 6 Tiute o te Tino Fakauluulu o Fuainumela Fakamaumau 7 Tuhiga Igoa o te aofaki o tagata ma na fale e nonofo ai ma te faitauga o te aofaki o tagata 8 Takutinoga o te puiipua 9 Fuainumela Fakamaumau Aloakia ma te Fakafoga 10 Hakilikiliga tau fuainumela fakamaumau ma na tuhiga Igoa (1) 11 Malu puiipua o na fakamatalaga 12 E mafai e te Tino Fakauluulu o Fuainumela Fakamaumau ke fakailoa ni fakamatalaga 13 Holi o te takutinoga mo te puiipua, pe haogalemu o na fakamatalaga 14 Na tino e fakatumua na pepa fakatumu 15 He amanakia pe he talia ke tuku atu na fakamatalaga 16 Fakakupuga hehe 17 Fakakino pe fakaheaga o he pepa fakatumu 18 Fakalavelave ki te Tino Fakauluulu o Fuainumela Fakamaumau 19 Fakafoliga 20 Gataaga o te fakahalaga 21 Hololia <p>Fakatulagaga 1 - Takutinoga o te puiipua</p> |
|---|---|

Micro-economics: Tokelau households

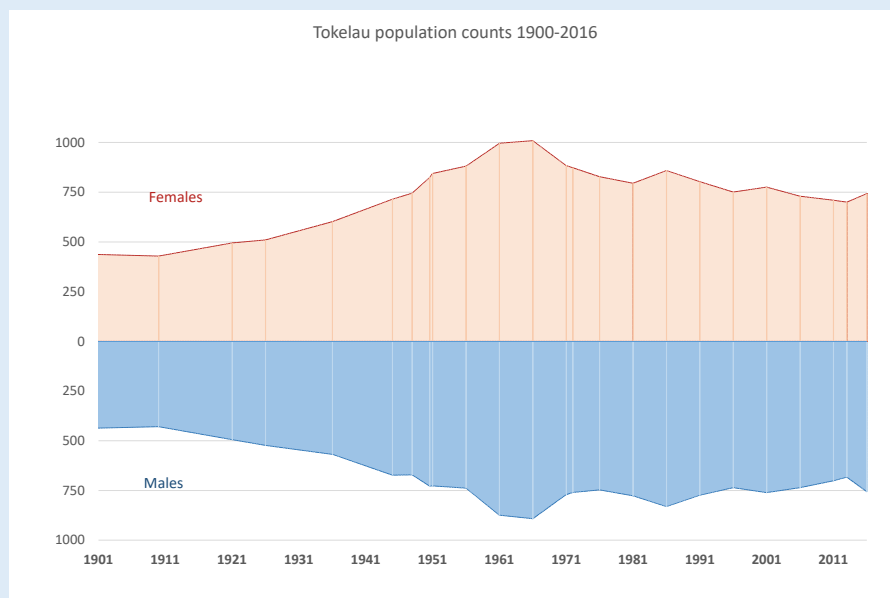
Excellent detailed resources:

- Census 2006, 2011, 2016 → 10-year time series:
considers everyone – wide but shallow
- Household Income and Expenditure Survey (HIES)
2015/16: *50% sample of HH – narrower but deep*
- Study of Imports in 2014 completed, additional
analysis 2015-2018 underway

We know about households (but not individuals):

- income
 - spending patterns
 - economic activity
- + Per capita consumption of food, alcohol, cigarettes, fuel

Population records go back to the year 1900 – but who's included?



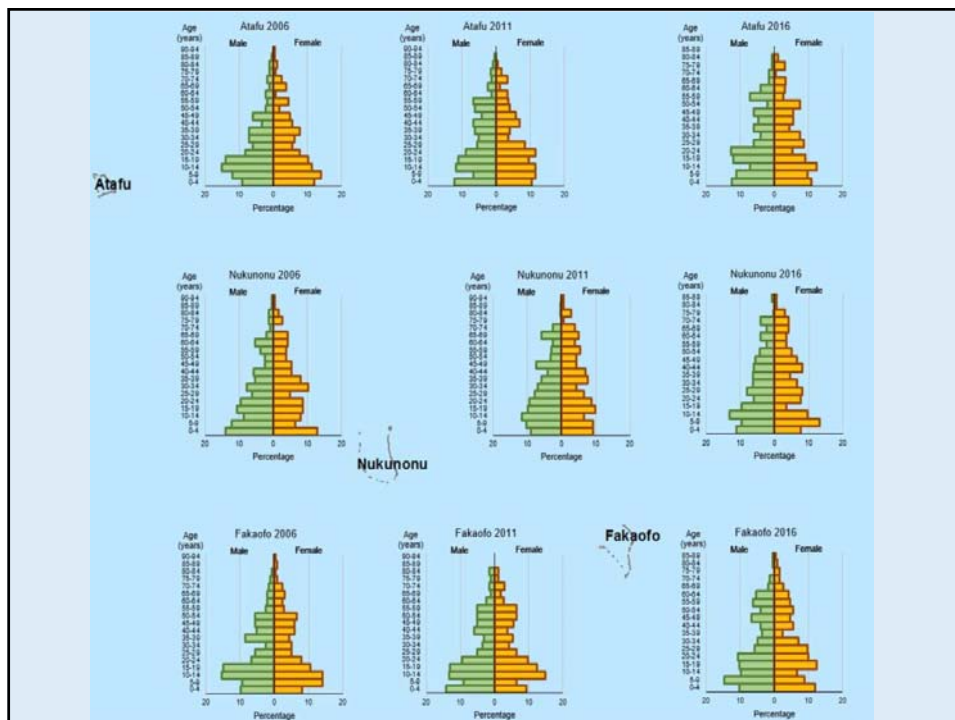


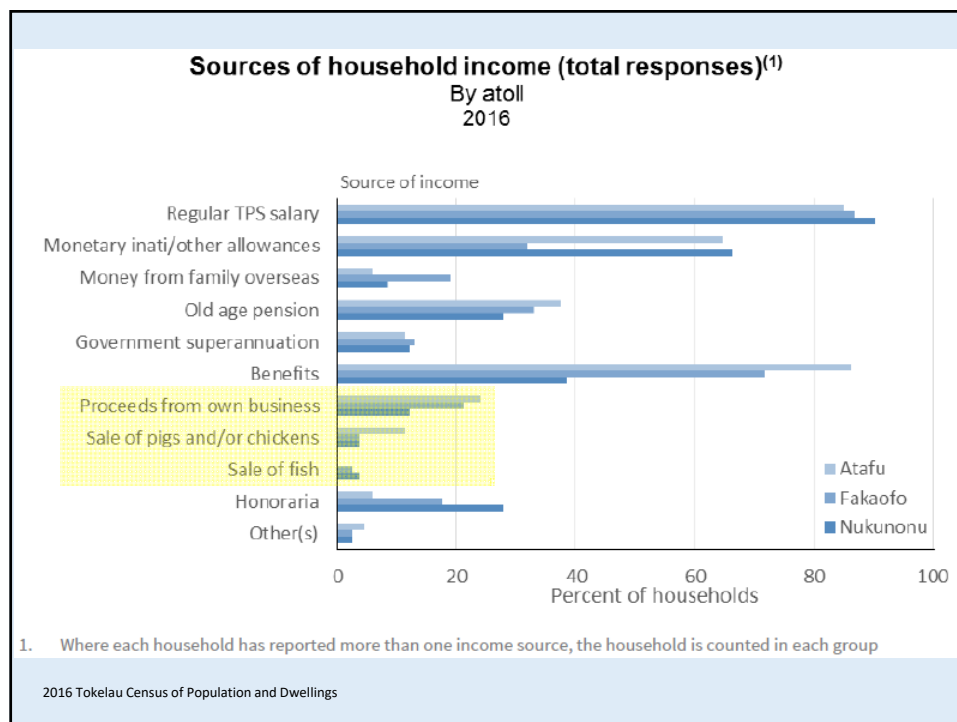
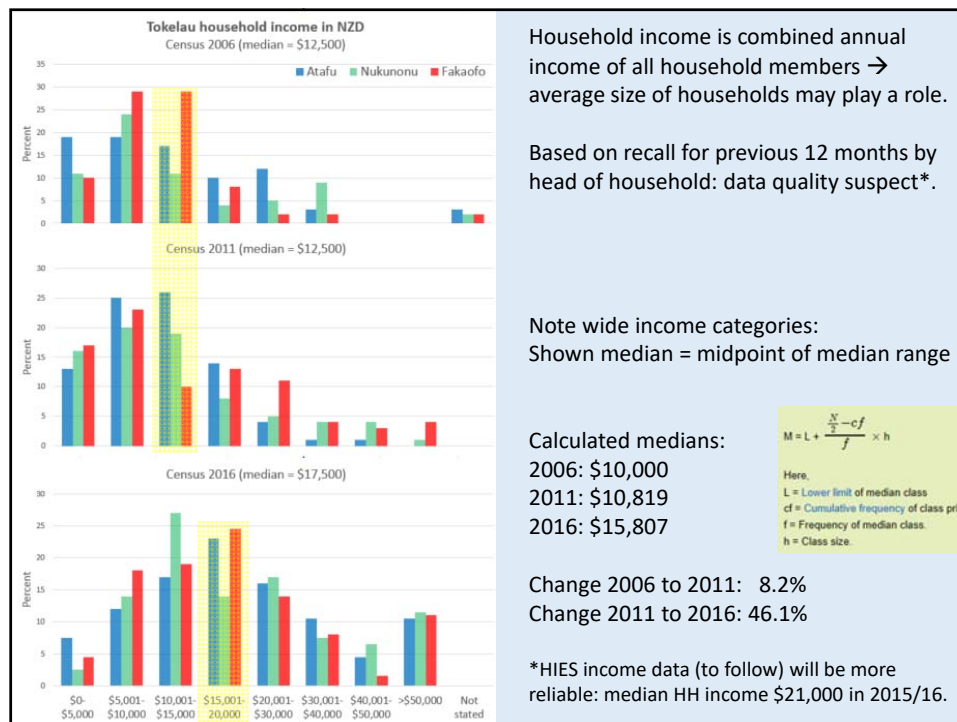
Statistics New Zealand: Tokelau Census 2006, 2011, 2016
10 years to same definition of “who is a *de jure* Tokelauan”

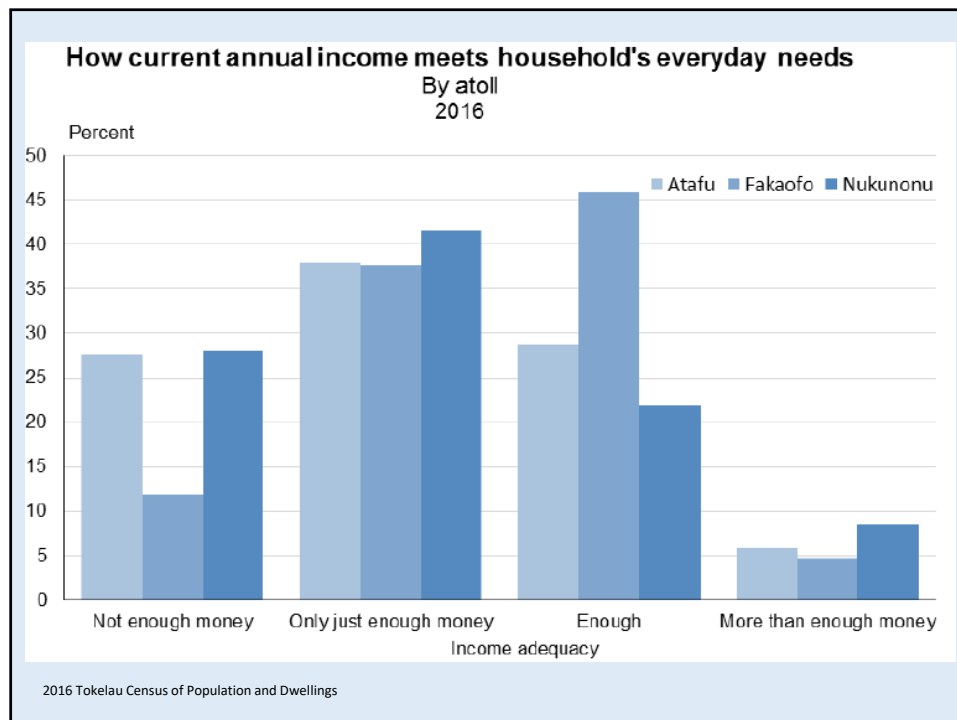




tinyurl.com/TokelauCensus and <https://arcg.is/1C95nH>







Pacific Community (SPC) – 2015/16 Household Income and Expenditure Survey (HIES)



tinyurl.com/TokelauHIES

HIES 2015/16 results

| Population (persons and HHs) | |
|------------------------------|-------|
| Resident population (2015) | 1,159 |
| Number of HHs (2015) | 251 |
| Average HH size | 4.6 |
| Median age | 25 |

participation in primary activities

| | HHs | |
|-------------|-----|-----|
| Agriculture | 100 | 40% |
| Fishing | 200 | 80% |
| Livestock | 167 | 67% |
| Handicrafts | 111 | 44% |

| Income type | National (NZ\$) | Percentage |
|------------------------------------|------------------|-------------|
| Cash income | 5,857,700 | 82.9% |
| Income in-kind from employer | 112,100 | 1.6% |
| Home production (subsistence, net) | 203,100 | 2.9% |
| Home-produced gifts received | 185,400 | 2.6% |
| Imputed rents | 708,500 | 10.0% |
| Total income | 7,066,700 | 100% |

HIES 2015/16 results (continued)

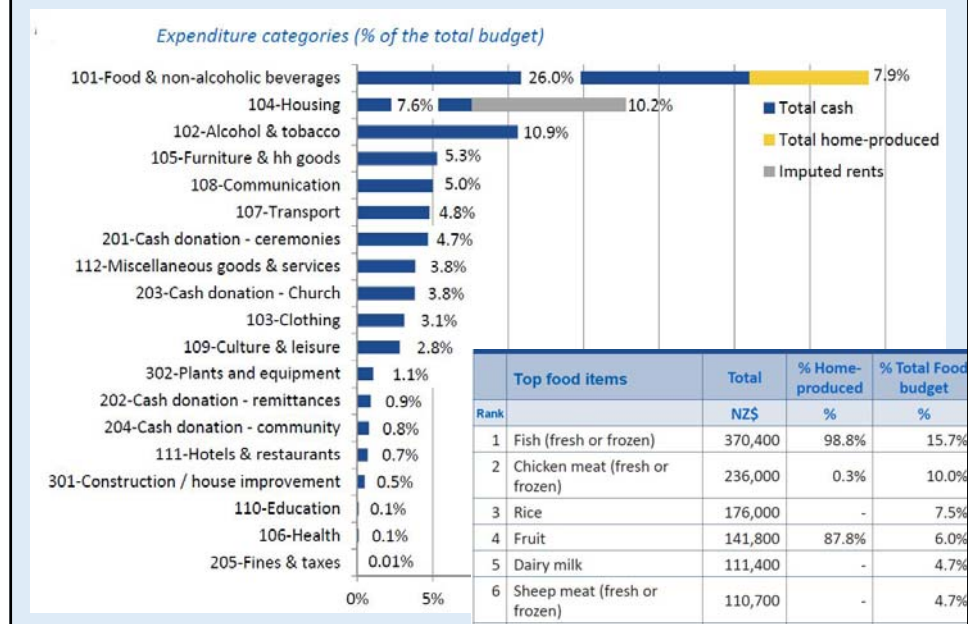
| HH income | Average (NZ\$) | Median (NZ\$) |
|--------------------------|----------------|---------------|
| Annual HH income - cash | 23,340 | 21,000 |
| Annual HH income - total | 28,150 | 24,400 |

| Per capita income | Average (NZ\$) | Median (NZ\$) |
|----------------------------------|----------------|---------------|
| Annual per capita income - cash | 5,050 | 4,400 |
| Annual per capita income - total | 6,100 | 5,400 |

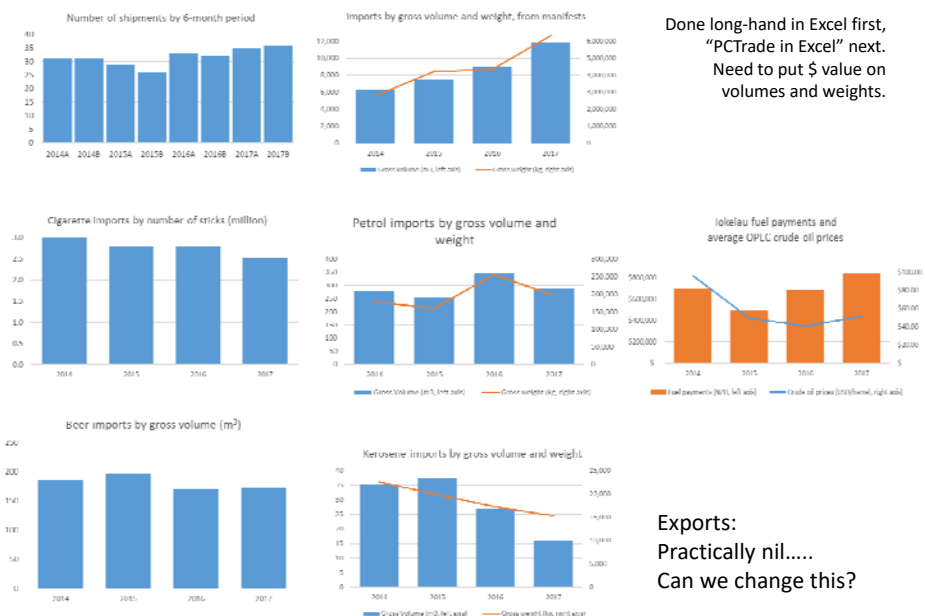
| HH expenditure | Average (NZ\$) | Median (NZ\$) |
|-------------------------------|----------------|---------------|
| Annual HH expenditure - cash | 22,680 | 21,200 |
| Annual HH expenditure - total | 28,140 | 26,900 |

| Per capita expenditure | Average (NZ\$) | Median (NZ\$) |
|---------------------------------------|----------------|---------------|
| Annual per capita expenditure - cash | 4,900 | 4,100 |
| Annual per capita expenditure - total | 6,090 | 5,000 |



HIES 2015/16 results (continued)



Analysis of shipping manifests → International Merchandise Trade Statistics (IMTS)







| | | | | | |
|--|----|---------------------|------|---|--|
|  <p>Analysis of 2014 imports into Tokelau from Samoa</p> <p>Part 2: Stores' invoices reconciled with cargo manifests, and quality of life implications</p>  <p>https://www.tokelau.org.nz/Bulletin/September+2016/2014+imports+final.html</p> | | Imports 2014 | | All Tokelau co-op and bulk stores, by COICOP | |
| | \$ | 1,987,398 | 38% | 01 Food and non-alcoholic beverages | |
| | \$ | 1,391,140 | 27% | 02 Alcoholic beverages and tobacco | |
| | \$ | 45,521 | 1% | 03 Clothing and footwear | |
| | \$ | 647,871 | 12% | 04 Housing, water, electricity, gas and other fuels | |
| | \$ | 334,789 | 6% | 05 Furnishings, household equipment and routine household maintenance | |
| | \$ | 523,175 | 10% | 07 Transport | |
| | \$ | 36,628 | 1% | 09 Recreation and culture | |
| | \$ | 266,688 | 5% | 12 Miscellaneous goods and services | |
| | \$ | 5,238,264 | 100% | | |

| Food item (by rank) | Purchased in | Average weekly consumption | | |
|---------------------------|--------------|----------------------------|--------|--------|
| | 2014 (kg) | from | to | pp |
| 1 Rice | 62,357 | 0.87 | - 1.41 | kg |
| 2 Chicken leg quarters | 54,085 | 0.75 | - 1.22 | kg |
| 3 Brown sugar | 49,350 | 0.69 | - 1.11 | kg |
| 4 Flour, Baker's & Normal | 25,575 | 0.36 | - 0.58 | kg |
| 5 Cooking oil | 20,952 | 0.29 | - 0.47 | litres |
| 6 Potatoes | 17,340 | 0.24 | - 0.39 | kg |
| 7 Instant noodles | 8,707 | 0.12 | - 0.20 | kg |
| 8 Chicken wings | 8,596 | 0.12 | - 0.19 | kg |
| 9 Mackerel in oil | 8,109 | 0.11 | - 0.18 | kg |
| 10 Sweet biscuits | 8,049 | 0.11 | - 0.18 | kg |
| 11 Onions | 7,980 | 0.11 | - 0.18 | kg |
| 12 Bongo [snack] | 7,402 | 0.10 | - 0.17 | kg |
| 13 Corned beef | 7,047 | 0.10 | - 0.16 | kg |
| 14 Salt beef | 6,047 | 0.08 | - 0.14 | kg |
| 15 Lamb chops | 5,648 | 0.08 | - 0.13 | kg |

| | | |
|---------|------------|-------------|
| Petrol: | Atafu | Fakaofu |
| | \$ 120,619 | \$ 186,626 |
| | Nukunonu | Grand Total |
| | 152,714 | \$ 459,959 |

|  | Average weekly consumption | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------------------|----------------|---------|---------------------------|---------------------|----------------|-----------------|-------|-----|--------|-------------|-------|-----|--------|-----------|-------|-----|--------|---------------|-------|-----|-------|-------------|-------|-----|-------|----------------|-------|-----|-------|-----------------------|-------|-----|-------|--------------|---------------|--|---------------|
| | Food or non-alcoholic drink item | from | to pp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Sugar in top items (kg) | 0.83 | - 1.35 kg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Teaspoons per week (4 g) range | 207 | - 336 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Teaspoons per week (4 g) Adult equivalent | 236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | WHO recommendation (for 5-10% energy intake) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | adults | 84 | - 168 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | children | 42 | - 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Product</th><th>2014 weight imported (kg)</th><th>Content per tin (g)</th><th>Number of tins</th></tr> </thead> <tbody> <tr> <td>Mackerel in oil</td><td>8,109</td><td>444</td><td>18,264</td></tr> <tr> <td>Tuna in oil</td><td>5,007</td><td>185</td><td>27,065</td></tr> <tr> <td>Spaghetti</td><td>5,001</td><td>425</td><td>11,767</td></tr> <tr> <td>Coconut cream</td><td>1,989</td><td>425</td><td>4,680</td></tr> <tr> <td>Fruit salad</td><td>1,761</td><td>410</td><td>4,295</td></tr> <tr> <td>Condensed milk</td><td>1,224</td><td>395</td><td>3,099</td></tr> <tr> <td>Pineapple crush/slice</td><td>1,038</td><td>425</td><td>2,442</td></tr> <tr> <td>Total</td><td>24,129</td><td></td><td>71,612</td></tr> </tbody> </table> | | | | Product | 2014 weight imported (kg) | Content per tin (g) | Number of tins | Mackerel in oil | 8,109 | 444 | 18,264 | Tuna in oil | 5,007 | 185 | 27,065 | Spaghetti | 5,001 | 425 | 11,767 | Coconut cream | 1,989 | 425 | 4,680 | Fruit salad | 1,761 | 410 | 4,295 | Condensed milk | 1,224 | 395 | 3,099 | Pineapple crush/slice | 1,038 | 425 | 2,442 | Total | 24,129 | | 71,612 |
| Product | 2014 weight imported (kg) | Content per tin (g) | Number of tins | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mackerel in oil | 8,109 | 444 | 18,264 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tuna in oil | 5,007 | 185 | 27,065 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spaghetti | 5,001 | 425 | 11,767 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coconut cream | 1,989 | 425 | 4,680 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fruit salad | 1,761 | 410 | 4,295 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Condensed milk | 1,224 | 395 | 3,099 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pineapple crush/slice | 1,038 | 425 | 2,442 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 24,129 | | 71,612 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Vehicle imports, 2014 - 2017 (provisional)

2014

2015

2016

2017

Total

Golf cart

Pick-up

Quad bike

Scooter or Motor bike

Taxi (passenger car)

Mini-van

Works vehicle

Total

1

1

4

5

2

1

14

5

2

3

1

6

2

19

5

11

23

4

1

6

1

1

13

7

12

8

11

25

1

5

69

Vehicle imports, from shipping cargo manifests

Tokelau ferry passengers analysis, one-way trips, mid-December 2017 to mid-January 2018, out and into port Apia, Samoa

Out

In

Total

Passport

AUS

FIJ

FRA

FSM

ITA

KIR

NLD

NZL

PNG

RMI

SAM

SLB

TON

TUV

USA

Unknown

Total

M

F

M

F

M

F

M

F

M

F

M

F

M

F

M

F

M

F

387

320

369

317

1393

8

12

1

1

1

292

43

2

25

2

387

9

14

1

251

1

16

2

3

23

320

8

17

2

1

1

271

1

45

2

17

2

2

369

5

13

1

1

256

1

18

2

20

317

30

56

1

4

2

1

2

1

1070

1

2

122

4

7

85

4

2

1393

Some employment opportunities supported by these statistics:

- Chicken farming for local consumption? (63 tonnes p.a., \$164,000 in 2014)
- Dairy cattle for milk, sheep for meat? :-(fodder & environmental issues)
- Canning tuna for local consumption? (5 tonnes p.a., \$106,288 in 2014)
- Canning coconut cream for local consumption? (2 tonnes p.a., \$8,184 in 2014)
- Develop alternative sweeteners/lollies? (Pandanus fruit?)
- Metal small waste collection? (72,000 tins in 2014)
- Engineering – vehicle maintenance?
- Hospitality? 1400 one-way trips between mid-Dec'17 and mid-Feb'18 alone
- Tourism? Must make it easier for visitors to travel – too much paperwork!
-

In conclusion

TNSO has lots of interesting data available on a very wide range of topics. Some of this finds useful application that was not foreseen at start (notably imports).

If you need any Tokelau statistical analysis done: we're here to help.

Key to good analysis is reliable data collections –the hardest part of our job!

- Accurate and timely quarterly prices from co-op and bulk stores for CPI
- Passenger information from Department of Transport and Support Services
- Birth and Death data from Departments of Health and TSS
- Awareness of surveys and analyses by other departments
- ...

Please help us.

With complete data we could do much more – all for the benefit of Tokelau.

Thank you for your interest! Questions?

dr J.A. ("iapi") Jasperse, Statistics Adviser: iapi.jasperse@tokelau.org.nz

All published resources are on website: tokelau.org.nz/Stats.html

Tokelau National Statistics Office: tnso@tokelau.org.nz

Key statistical and economic terms in Tokelau language

C

Census – Tuhiga igoa ote fautau aofaki o tagata ma na fale

CPI (Consumer Price Index) – fuainumela tuku fakatahi ona fehuiakiga ki te tau oni koloa filifilia e fakatau e tagata i loto o he vaitaimi patino.

D

De jure population – Faitau aofaki o tagata e mahani nonofo i luga o te fenua, e aofia ai na tino e mahani nonofo i luga o fenua ka nae i fafo ite taimi ote tuhiga igoa. Ko na tino nae i luga o fenua ite taimi ote tuhiga igoa kae e mahani nonofo i fafo, e he aofia ite fuainumela tenei.

E

EEZ (Exclusive Economic Zone) – Hone fagota

Exports – Koloa fakatau atu ki fafo

G

GDP (Gross Domestic Product) – ko te tau faka-katoa ite tulaga tau tupe ona koloa ma na tautuaga uma lele na gaohia e he atunuku i loto o he vaitaimi patino

GNI (Gross National Income) – ko te aofaki katoa tupe maua fakalotoifale ma fafo foki e patino ki tagata nofomau o he atunuku

H

HIES (Household Income and Expenditure Survey) - Hakilikiliga mo na tupe maua ma na tupe fakafano a kaiga

I

Imports – Koloa fakatau mai fafo

Inflation – Hikitaga lautele ki te tau ona koloa ma na tautuaga e fakatau e tagata i he atunuku i loto o he vaitaimi patino.

IMTS (International Merchandise Trade Statistics) – Fuainumela fakamaumau tau ki na koloa fakafetauaki

M

Macro-economics – Hukehukega ki te tamaokaiga ihe levolo maualuga/lautele

Micro-economics – Hukehukega ki te tamaokaiga ihe levolo maualalo/patino

Median – Loto tonuga

P

Per-capita – Te tagata e fokotahi

R

Residential population – faitau aofaki o tagata e mahani nonofo i luga o fenua ka nae i luga o fenua ite taimi ote tuhiga igoa.