Tonga HIES

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Kingdom of Tonga

TONGA

Household Income and Expenditure Survey 2015/2016

Full report

October 2017



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Pacific Community
Communauté du Pacifique

Statistics Department TONGA

Kingdom of Tonga

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Report prepared by Tonga Statistics Department and

the Secretariat of the Pacific Community, New Caledonia.

Secretariat of the Pacific Community

Noumea, New Caledonia

October 2017.

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Foreword

This report is the third of its type to be published by the department, despite its long history since the early 1970s under the Ministry of Finance. The first Household Income and Expenditure Survey (HIES) report was published in December 2002 for HIES 2001, second report was published in August 2010 for HIES 2009, then this report presents the results of the National 2015/2016 HIES.

TSD adopted the Pacific standard HIES methodology developed by the Statistics for Development Division (SDD) of the Pacific Community (SPC) in 2011 to conduct Tonga 2015/2016 HIES. These standards, were designed to feed high-quality data to HIES data end users. The field collection spread over a 12 months period (October 2015 to October 2016 and divided to 16 Rounds) to cover seasonality of income and expenditure. This was the first time ever that HIES is conducted in such a way. This HIES also is the first of its kind in Tonga to include questions on deprivation or the Deprivation Section. Previous HIES was conducted over four rounds – once every quarter. Very detailed information on household income and expenditure was collected from about 1800 households spread around the Kingdom.

Within the Statistics Department, the results are being used to update the base period and weighting system for the Consumer Price Index (CPI), to supplement the data available for use in compiling official estimates of various components in the System of National Accounts; and gathering information on poverty lines and incidence of poverty in Tonga. It is hoped this publication will also provide valuable information for planners, policy makers and the general public.

Conducting a survey of this complexity posed immense challenges for the department. From Headquarter in Statistics Nuku'alofa Office, Telekaki Latavao, Senior Statistician (HIES Coordinator) coordinated all HIES activities with the support and guidance provided by Technical Assistants from SPC. I am grateful to all permanent and temporary staffs who participated in the survey. Many thanks goes out to the field supervisors and enumerators who worked tirelessly to ensure that the data collected was timely and also of very good quality.

The Department also wishes to acknowledge the valuable contributions made by the Secretariat of the Pacific Community (SPC) in Noumea in providing assistance in this project. Dr Haberkon, the former Manager, Statistics and Demography Program of the SPC, assisted to go ahead with this project in Tonga. He was later replaced by Dr 'Ofa Ketu'u who continued the support and approval of the following Technical Assistances for this survey;

1. Bertrand Buffiere, SPC Statistical Advisor three visits, (i) July 2015 for sampling design, (ii) September 2015 for survey training and, (iii) for survey quality check and questionnaire balancing. From SPC he continued to work on finalizing the survey data, data analysis and the preparation of this report.
2. Pierre Wong, SPC Data Processing Specialist visited twice (i) September 2015 for survey training and, (ii) for survey quality check and questionnaire balancing.
3. Michael Sharp, SPC Economic Advisor visits once in September 2015 for survey training. From SPC he continued to work on finalizing the survey data, data analysis and the preparation of this report.

Last but not the least, many thanks for the cooperation of 1803 households that provided the detailed information needed in this survey. Without their full cooperation, the survey would not have been a success.

The information provided in this report contains a broad summary of the main findings of the survey. However there's a multitude of opportunity for more in-depth thematic analysis and other uses of HIES data for which the survey was implemented. Much more detailed specific information can be made available to interested users upon requests.



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Acronyms

BMI	Body mass index
COICOP	Classification of individual consumption according to purpose
CPI	Consumer price index
CSPro	Census and survey processing program
GDP	Gross domestic product
HH	Household
HIES	Household income and expenditure survey
ISCO	International standard classification of occupations
ISIC	International standard industrial classification of all economic activities
NA	National accounts
NEC	Not elsewhere classified
NGO	Non-government organisations
NSO	National statistical office
OA	Own account
OO	Owner occupied
PACCOI	Pacific classification of income
PAPI	Paper-based personal interview
PHC	Population and housing census
PPS	Probability proportional to size
PSU	Primary sampling unit
RSE	Relative sampling error
RSE	Recognised seasonal employee (New Zealand)
SE	Standard error
SPC	Pacific Community
SDG	Sustainable development goals
SWP	Seasonal Worker Programme (Australia)
TA	Technical assistance
TSD	Tonga Statistics Department
TOP	Tongan Pa‘anga
UN	United Nations

Key results and executive summary

1. Key results table

Table 1: Sample, population estimates and average annual household (HH) expenditure and income

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	National
Sampling information							
HHs	479	479	384	181	185	95	1,803
Persons	2,889	3,110	2,070	965	913	372	10,319
Population estimates							
HHs	4,106	8,828	2,728	1,196	882	274	18,014
Persons	22,790	50,867	13,678	6,191	4,819	1,212	99,557
Average annual household expenditure, by category (TOP)							
Food & non-alcoholic beverages	9,520	9,780	11,330	10,040	10,200	7,480	9,960
Alcohol, tobacco and kava	1,690	1,900	1,460	1,810	840	1,690	1,720
Clothing & footwear	450	480	320	310	120	230	410
Housing & utilities	8,410	5,740	5,520	4,360	5,410	3,630	6,170
Furniture & HH maintenance	630	790	610	590	450	580	690
Health	110	90	20	20	20	0	70
Transport	4,150	4,680	2,910	2,600	3,540	2,850	4,070
Communication	1,410	1,370	710	1,000	1,260	730	1,240
Education	270	230	230	130	200	60	230
Recreation & culture	720	480	310	190	170	70	470
Restaurant & hotel	1,050	760	260	110	150	0	670
Miscellaneous	1,130	1,190	820	760	730	770	1,060
Non-consumption expenditure	3,090	3,220	3,300	5,560	3,160	3,310	3,350
Investment expenditure	650	280	660	50	110	130	400
Total	**33,280**	**30,990**	**28,460**	**27,530**	**26,360**	**21,530**	**30,510**
Average annual household expenditure, by type (TOP)							
Cash	24,050	21,730	16,040	15,390	14,640	12,140	20,480
Subsistence	450	1,430	2,720	2,830	3,330	2,830	1,610
Imputed rents	4,850	3,620	3,740	2,920	3,890	2,700	3,870
In-kind (gifts)	3,940	4,200	5,940	6,390	4,480	3,870	4,560
Average annual household income, by category (TOP)							
Wages & salaries	18,640	15,270	9,230	7,790	7,330	6,080	14,100
Business	3,660	1,480	580	140	30	40	1,660
Primary	2,100	4,270	6,220	4,930	6,420	4,650	4,220
Subsistence	240	1,020	2,560	2,620	3,210	2,760	1,320
Capital	760	480	110	0	70	0	430
Transfer	310	450	210	170	110	250	350
Casual	150	340	100	0	0	0	220
Remittances	6,530	7,650	4,440	4,420	3,000	1,250	6,370
Imputed rents	4,850	3,620	3,740	2,920	3,890	2,700	3,870
Total	**37,240**	**34,580**	**27,190**	**22,990**	**24,060**	**17,730**	**32,540**
Average annual household income, by type (TOP)							
Cash	31,950	29,600	20,100	17,150	16,260	11,860	26,950
In-kind (gifts)	210	330	790	310	710	410	390
Subsistence	240	1,020	2,560	2,620	3,210	2,760	1,320
Imputed rents	4,850	3,620	3,740	2,920	3,890	2,700	3,870

2. Executive summary

Tonga's 2015/2016 HIES was implemented from October 2015 to October 2016 and this survey report provides an overview of the survey, a summary of the aggregated income and expenditure estimates and a brief population and income and expenditure distribution analysis. This report is the first analytical output of the survey, however there's a multitude of opportunity for more in-depth thematic analysis and other uses of HIES data for which the survey was implemented, including:

i. deriving expenditure weights for the revision of the consumer price index (CPI);
ii. supplementing the data available for use in compiling official estimates of various components in the System of National Accounts (NA); and
iii. gathering information on poverty lines and the incidence of poverty in Tonga.

This summary provides an overview of the survey sample and a summary of HH expenditure, income and the population structure and distribution.

Sample

The 2015/2016 HIES was designed to provide statistically significant results by each of the six geographical areas (strata) in Tonga: Tongatapu (urban), Tongatapu (rural), Vava'u, Ha'apai, 'Eua and Ongo Niua. The sample was constrained by budget and access to outer islands (logistics), especially in Ha'apai and Ongo Niua, and, as a result, optimum sample allocations were not achieved. Despite this, the aggregated income and expenditure aggregates, by strata, are within acceptable error thresholds (refer Appendix 2).

1,803 HHs provided a valid response (98.8 percent response rate from a total sample of 1,824 HHs), which amounts to 10 percent of all HHs in Tonga. The sample fraction, by strata, is provided in the below table.

Table 2: Sample size and sample fraction, by strata

	Sample	HHs	Sample fraction
Tongatapu - urban	479	4,106	12%
Tongatapu - rural	479	8,828	5%
Vava'u	384	2,728	14%
Ha'apai	181	1,196	15%
'Eua	185	882	21%
Ongo Niua	95	274	35%
National	**1,803**	**18,014**	**10%**

The results presented herein are the extrapolated estimates from the 2015/2016 HIES sample presented above.

Household expenditure

Total annual HH expenditure in Tonga is estimated to be TOP 549 million (average of TOP 30.510 and median of TOP 26,000 per annum). 88 percent of HH expenditure is consumption expenditure (expenditure-related to goods and services that are consumed by HHs), 11 percent is non-consumption expenditure (73 and 18 percent being donations to the Church and to other HHs, respectfully) and the remainder being investment expenditure.

In terms of expenditure type, 67 percent is cash based (cash purchased goods and services), 14 percent is cash purchased gifts (goods and services purchased for the benefit of another HH), 13 percent imputed rents (the value of services that an owner occupier derives from residing in their dwelling), 5 percent is subsistence (the value of home produced and consumed foods) and the remainder being home produced and gifted items and in-kind items received from the employer and consumed by the HH.

Consumption expenditure – the main expenditure category – is mainly dedicated to food and non-alcoholic beverages (37 percent of expenditure within this category), followed by housing and utilities (23 percent and mainly consisting of imputed rents) and transport (15 percent).

The distribution of HH expenditure is not even and there's a degree of inequality – in terms of total HH expenditure – across Tonga and within each strata. Around half of total HH expenditure in Tonga is accounted for by around one-quarter of HHs and the lowest spending 25 percent of HHs account for around 10 percent of expenditure.

Household income

Total annual HH income in Tonga is estimated to be TOP 586 million (average of 32,540 and median of TOP 25,000 per annum). 65 percent of total HH income is generated from employment income (income associated with employment activities, such as wages and salaries, business profit distribution (incl. primary industry profits) and subsistence (the net value of home produced and consumed items)). Following employment income, remittances and gifts amount to 20 percent of total HH income. Imputed rents account for 12 percent of total income and the remainder is made up of income from capital (dwelling and land lease), transfer income (pension, social security, grants and scholarships) and casual receipts (sale of assets).

In terms of income type, 83 percent of total HH income is cash-based income. As mentioned above, 12 percent is imputed rents and 4 percent is subsistence income. In-kind income (in-kind contributions from the employer and home produced items received as gifts) makes up the remainder.

Within the employment income category, wages and salaries make up 66 percent of income in this category. Following this is income from the sale of agricultural produce (10 percent), income from non-primary business (8 percent) and income from handicrafts (8 percent). Subsistence amounts to 6 percent of total income from employment activities and the remainder is made up of income from fishing and livestock.

Similarly to expenditure, the distribution of HH income is not even and there's a degree of inequality – in terms of total HH income – across Tonga and within each strata. More than half of total HH income in Tonga is accounted for by around one-quarter of HHs and the lowest earning 25 percent of HHs account for less than 10 percent of total income.

Population

From the 2015/2016 HIES, Tonga is estimated to have 18,007 HHs with a resident HH population of 99,557 persons. Average HH size is 5.5 persons and Tonga has a sex ratio of 104, meaning that there are 104 males for every 100 females). The median age of the population is 22 and 46 percent of the population is aged less than 20 years old. Tonga's dependency ratio is estimated to be 75 percent, meaning that for every 100 working-aged persons, there are 75 dependents.

The main activity in the past 7 days for the population aged 15 years and older, was paid home maker, with 24 percent of persons reporting this as their main activity. Following this, 23 percent of the population reported producing goods for own (home) consumption, 18 percent reported being employed in the private sector and 14 percent reported being a student (only population 15+ years of age).

63 percent of HHs participate in agriculture, 13 percent in fisheries, 70 percent in livestock and 39 percent in handicrafts and home processed foods. This has significant implications on HHs income, for both cash and subsistence. Of the HHs that participate in primary activities, 40 percent of HHs sell some of their agricultural produce, 7 percent sell a portion of their fisheries harvest, 33 percent sell livestock that the HH rears and 33 percent sell handicrafts and home processed foods that are manufactured.

SECTION 1: INTRODUCTION

This report is the first official output from the Tonga 2015/2016 HIES. The objective of the report is to present the main statistical tables, focusing on HH income and expenditure, and to provide a summary of the survey procedures and results.

The report provides an overview of the 2015/2016 HIES, including the sampling strategy (Section 2), and the economic context of Tonga (Section 3). Following this is a series of chapters reporting the statistical tables, with a brief synopsis that summarises the tables and highlights main areas for policy formation. The chapters include:

- Section 4: Household expenditure
- Section 5: Household income
- Section 6: Population profile and HH characteristics
- Section 7: Additional analysis

Section 7 – additional analysis – is inclusive of: a) the comparison of the results of the 2015/2016 HIES with the real values from the 2009 HIES; a description of intermediate expenditure; and an analysis of the distribution of income and expenditure in Tonga.

In addition to these chapters, a number of appendices complement the body of the report.

Appendix 1 provides a detailed description of the formation of the expenditure and income aggregates, various classifications for which the data are coded and some technical notes and definitions to assist with understanding and interpretation of the main statistical tables in this report.

Appendix 2 presents the error measurements (relative standard errors), which are provided to assist the reader to understand the statistical significance of the results presented herein. A brief discussion on non-sampling errors is also provided in Section 2.

Appendix 3 provides some of the survey field work reference tables, which can be used to support understanding of Section 2 and the general survey procedure and timeline.

Appendix 4 provides links to various resources, including the HIES questionnaire, which can also be used to help to understand the data sources when interpreting the results presented herein.

It is important to note this report is not the sole output from the HIES as the data have many applications. For example, in the rebasing of the CPI, updating the HH consumption component of gross domestic product, to assess the incidence of poverty in Tonga and in thematic research to guide policy formation.

SECTION 2: SURVEY OVERVIEW

The 2015/2016 HIES is the third HIES to be implemented in Tonga; the first was in 2000, the second in 2009. Tonga Statistics Department (TSD) conducted a population and housing census (PHC) in November 2016; the previous PHC were conducted in 1996, 2006 and 2011.

This section provides a brief overview of the survey objectives and methodology, its scope and coverage, sample design, survey procedures, questionnaire, response rate, sampling weights, data processing and error measurements. The methodological report provides more detail on these areas, however below is a brief summary to aid interpretation of the results in this report.

1. Survey objectives

HIES collects a wealth of information on HH income and expenditure, such as source of income by industry, HH expenditure on goods and services, and income and expenditure associated with subsistence production and consumption. In addition to this, HIES collects information on sectoral and thematic areas, such as education, health, labour force, primary activities, transport, information and communication, transfers and remittances, food expenditure (acquisition) and gender.

The Pacific Islands regionally standardized HIES instruments and procedures were adopted by TSD for the 2015/2016 HIES. These standards, were designed to feed high-quality data to HIES data end users for:

- deriving expenditure weights and other useful data for the revision of the CPI;
- supplementing the data available for use in compiling official estimates of various components in the System of NA;
- supplementing the data available for production of the balance of payments; and
- gathering information on poverty lines and the incidence of poverty in Tonga.

The data allow for the production of useful indicators and information on the industries covered in the survey, including providing data to inform indicators under the United Nations Sustainable Development Goals (SDGs). This report, the above listed outputs, and additional thematic analyses, collectively provide information to assist with multisector planning and policy formation.

The 2015/2016 HIES was conducted to update the 2009 HIES data and aimed to estimate the total amount HH spent and earnt over the past 12 months at the national and island group level (total expenditure and income).

2. HIES methodology

TSD adopted the Pacific standard HIES methodology developed by the Statistic for Development Division (SDD) of the Pacific Community (SPC) in 2011. This harmonized method consists of:

- The use of a common questionnaire:
  - 4 modules to collect socio-demographic information, and expenditure and income; and
  - a two-week diary to collect daily expenditure, gifts received and home produced items.
- A field collection spread over a 12 month period in order to cover seasonality of income and expenditure.
- Field staff organised in teams where each team is made of two enumerators and one supervisors.
- Decentralised data entry to facilitate in-field error checking.

3. Survey scope and coverage

The scope of the 2015/2016 HIES was all occupied HHs in Tonga. HHs are the sampling unit, defined as a group of people (related or not) who pool their money, and cook and eat together. It is not the physical structure (dwelling) in which people live. HIES covered all persons who were considered to be usual residents of private dwellings (must have been living in Tonga for a period of 12-months, or have intention to live in Tonga for a period of 12-months in order to be included in the survey).

HH members covered in the survey include:

- usual residents currently living in the HH;
- usual residents who are temporarily away (e.g., for work or a holiday);
- usual residents who are away for an extended period, but are financially dependent on, or supporting the HH (e.g., students living in school dormitories outside Tonga, or a provider working overseas who hasn't formed or joined another HH in the host country) and plan to return;
- persons who frequently come and go from the HH, but consider the HH being interviewed as their main place of stay;
- any person who lives with the HH and is employed (paid or in-kind) as a domestic worker and who shares accommodation and eats with the host HH; and
- visitors currently living with the HH for a period of 6-months, or more.

The head of HH is the person commonly regarded by the HH members as their head. The head will often be the main income-earner and decision-maker. Despite this guideline, the head is independently nominated by HH members and it could be based on age, gender, or other factors. The only firm guideline is that the HH head must be an adult (aged more than 15 years old) and that there is to be one and only one head.

In addition to the current HH members, members who met the above criteria, but had left the HH within the last 12-months (e.g., passed away or moved into another HH) are covered and their income and expenditure for the period of their stay included.

HHs outside of Tonga (e.g., in Australia or New Zealand) and commercial, government or non-government organisations (NGO) in Tonga are outside the scope of HIES.

4. Sample design

Findings from the 2009 HIES

The 2009 HIES sample was spread over 4-rounds – one each quarter – and the specifications are summarised in Table 3.

Table 3: 2009 HIES key indicators used in deriving the 2015 sample

Domain	HHs (N)	Selected HHs	Final responding	Sample fraction	Relative sampling error
Tongatapu – urban	3,978	432	416	10.50%	5.4%
Tongatapu - rural	7,992	768	761	9.50%	3.0%
Vava'u	2,871	336	331	11.50%	4.9%
Ha'apai	1,372	240	236	17.20%	9.9%
'Eua	899	192	191	21.20%	7.9%
Ongo Niua	446	96	48	13.80%	12.4%
Total	**20,432**	**2,064**	**1,983**	**11.40%**	**3.3%**

In 2009, 2,064 HHs were selected and 1,983 sufficiently responded. The 2009 HIES provided solid estimates for expenditure aggregates at the national level (sampling error for national expenditure estimate is 3.3%), however it can be seen from Table 3 that the accuracy of the estimates by domain are variable, especially in Ha'apai, 'Eua and Ongo Niua, where the relative sampling error (RSE) is greater than 5%. This finding was taken into consideration in the 2015/2016 HIES sample allocation and it was recommended that the sample be increased in the small domains (Ha'apai, 'Eua and Ongo Niua), however, budget and accessibility were constraining factors.

Sampling frame

Similarly to the 2009 HIES, private occupied dwellings were the statistical unit for the 2015/2016 HIES. Institutions and vacant dwellings were removed from the sampling frame.

Some areas in Tonga are very difficult to reach due to the cost of transportation and the remoteness of some islands, which is why they are excluded from the sample selection. The following table presents the distribution of the HHs according to their location (main island or outer islands in each domain).

Table 4: Distribution of islands by broad locational grouping

Domain	Main island	Outer islands	Total
Tongatapu - urban	100%	0%	100%
Tongatapu - rural	99%	1%	100%
Vava'u	95%	5%	100%
Ha'apai	56%	44%	100%
'Eua	100%	0%	100%
Ongo Niua	55%	45%	100%
Total	**95%**	**5%**	**100%**

The systematic decision to exclude HHs living in outer islands should not affect the HIES outputs as it concerns only 5% of the HHs at the national level. However, as the HIES aim to produce outputs at the island group level, it was not ideal to exclude 44 percent of the HHs in Ha'apai and 45 percent of HHs in Ongo Niua.

In Ha'apai and Ongo Niua, the HHs are scattered in different islands, sometimes far from the main islands. This is the case of Niuafo'ou in the Ongo Niua group where this island is located very far from Niuatoputapu and transportation is expensive, rare and a long way to reach. In consideration of the budget, it was not feasible to train an enumeration team to be based in Niuafo'ou and it was too expensive to send a team based in Niuatoputapu to enumerate in Niuafo'ou. As such, Niuafo'ou was excluded from the sampling frame.

The situation in Ha'apai is different. 44 percent of HHs live in outer islands scattered around the main islands of Lifuka and Foa (56 percent of the population). As such, it was recommended that effort should be made to include Ha'apai outer islands within the sampling frame.

The following table presents the exclusion of areas from the HIES selection (comparison 2009/2015).

Table 5: 2009 and 2015/2016 HIES sampling frame

	2009 HIES				2015/2016 HIES			
	Total HHs	In scope	# out	% out	Total HHs	In scope	# out	% out
Tongatapu - urban	3,978	3,978	0	0.0%	4,221	4,221	0	0.0%
Tongatapu - rural	7,992	7,844	148	1.8%	8,597	8,531	66	0.8%
Vava'u	2,871	2,606	265	9.2%	2,813	2,664	149	5.3%
Ha'apai	1,372	1,176	196	14.3%	1,258	1,007	251	20.0%
'Eua	899	899	0	0.0%	862	862	0	0.0%
Ongo Niua	349	330	19	5.4%	282	155	127	45.0%
Total	**17,461**	**16,833**	**628**	**3.5%**	**18,033**	**17,440**	**593**	**3.3%**

In summary, an effort was made in Ha'apai to include some outer islands in the sample selection (some census blocks from the districts of Uhina, Ha'ano, Nomuka and Ha'afeva were included) as 44% of the population of Ha'apai live in outer islands. But due to budgetary and logistical constraints 20% of the occupied dwelling in Ha'apai were excluded from the sample selection, and in Ongo Niua, almost half of the population is excluded (Niuafo'ou). In total, 3.3% of the HHs were not in-scope for the 2015/2016 HIES. Assuming that those HHs do not present any significative difference in their expenditure and income pattern, they will be part of the weights computation so the aggregated income and expenditure estimates represent these HHs.

Sample selection

For HIES purposes, the size of the census blocks had to be harmonised (in terms of number of HHs). The 2 stages sample method used in the 2015/2016 HIES aims to select randomly:

- Census blocks (with probability proportional to size – each blocks will have a different probability of selection) – based on the 2011 population census; and
- HHs (within each selected blocks all the HHs have the same probability of selection) – based on a update of the HH listing conducted by the HIES field team.

To make the probability of selection more even, some small census blocks were merged and some large census blocks split. There's more detail in the methodological report on this process.

Before each round, the field teams updated the HH listing in each randomly selected block (stage 1 sample selection) and, after the listing was updated, the team randomly selected 18 HHs, which were:

- 12 HHs as primary target HHs to interview; and
- 6 HHs in case that a primary selected HH cannot participate and a replacement is needed (e.g., refusal, absence, etc.) – this is done in order to achieve a high response rate.

The 2015/2016 HIES adopted the standardized HIES methodology and survey instruments for the Pacific Islands region. This approach, developed by the Pacific Community (SPC), has resulted in proven survey forms being used for data collection. It involves collection of data over a 12-month period to account for seasonal changes in income and expenditure patterns, and to keep the field team to a smaller and more qualified group. Their implementation had the objective of producing consistent and high quality data.

The 2015/2016 HIES sampling approach was designed to generate reliable results at the following levels:

- ***National:*** total HH income and expenditure in Tonga.
- ***Urban and rural:*** total HH income and expenditure, geospatially disaggregated by urban and rural areas. Tongatapu (urban) being the only urban area in Tonga and the remaining 5 stratum being rural.
- ***District or strata:*** total HH income and expenditure, geospatially disaggregated by the six districts in Tonga (Tongatapu (urban), Tongatapu (rural), Vava'u, Ha'apai, 'Eua and Ongo Niua).

The survey was not designed to produce reliable results at any lower level, such as by island or village. The reason for this is partly due to budgetary and logistical constraints, but also because the HIES serves its primary objectives with a sample size that will provide reliable aggregates at the district level.

Sample size

Two-stage selection is used in Tongatapu (urban and rural), Vava'u, Ha'apai and 'Eua, with the selection of census blocks (merged and split) in the first stage and the selection of HHs in the second stage. HHs in Ongo Niua were selected directly from the updated HH listing (one-stage).

The distribution of the sample across the island divisions took into account the following constraints: (i) the field operation is divided into 16 rounds; and each round is a 3 week period that allows a team to interview 12 HHs.

According to the 2009 HIES outputs and the constraints for the 2015/2016 HIES, the following table shows the sample distribution for the 2015/2016 HIES.

Table 6: Sample specification for the 2015/2016 HIES

	Total HHs (N)	In scope	# out	% out	Sample size (n)	Sample fraction	RSE*
Tongatapu - urban	4,221	4,221	0	0.0%	480	11.4%	3.0%
Tongatapu - rural	8,597	8,531	66	0.8%	480	5.6%	3.1%
Vava'u	2,813	2,664	149	5.3%	384	13.7%	3.4%
Ha'apai	1,258	1007	251	20.0%	192	15.2%	4.7%
'Eua	862	862	0	0.0%	192	22.3%	4.5%
Ongo Niua	282	155	127	45.0%	96	34.0%	5.8%
	18,033	**17,432**	**601**	**3.3%**	**1,824**	**10.1%**	**1.8%**

Compared with the 2009 sample distribution, the sample size decreased in Tongatapu (rural) and increased in Tongatapu (urban), Vava'u and Ongo Niua as these domains had higher sampling error during the previous HIES. Due to budget constraint, the sample size in Ha'apai could not be increased.

5. Field operation

The fieldwork was carried out by 10 enumeration teams. Each team consisting of three people – one supervisor and two enumerators – who were all under the supervision of the HIES Manager from the head office of the Statistics Department in Nuku'alofa.

A two-week training course was held in Nuku'alofa in which all field workers from the outer islands participated together with those from Tongatapu. Around 40 people were trained in which 29 were immediately used as supervisors and enumerators and the rest were reserved as replacements for those who left during the survey period.

The survey was spread over 16 rounds throughout the 12 month enumeration period (October 2015 to October 2016) in order to take adequate account of seasonal fluctuations in income, expenditure and food acquisition (as a proxy to estimate consumption). Each round lasted for a 3-week period and 120 HHs across Tonga were interviewed each round (12 HHs per team).

Field teams updated the HH listing for each selected census block – and made the HH selection (second stage) – on day one and first contact was made with the HH on day two or three. Each HH was visited several times during the three-week round in order to conduct module interviews and to check that the two-week expenditure and home production diary was being comprehensively completed. Data entry occurred on the same day or the day after the interview for the modules, while the first diary was entered in week-two and the second week diary is entered in week-three of each round. In-field data entry was conducted in order to make use of the entry validation checks and to return to the HH to verify data where inconsistencies were identified.

The survey was publicized by means of television and radio from when the training took place up to the final phase of the survey. The television program could be viewed in Tongatapu and 'Eua, while the radio program covered the whole of Tonga.

6. Survey questionnaire

Four modules are completed by paper-based personal interview, including:

1. Demographic information – characteristics of HH members, including activity and education profile;
2. HH characteristics and expenditure;
3. Individual expenditure; and
4. Individual and HH income.

Depending on the information being collected, a recall period (ranging from the last 7 days to the last 12 months) is applied to various sections of the questionnaire.

The forms were completed by face-to-face interview, usually with the HH head providing most of the information, with other HH members being interviewed when necessary. The interviews took place over a 2-week period such that the HH diary, which is completed by the HH on a daily basis for 2 weeks, can be monitored while the module interviews take place.

The HH diary collects information on the HH's daily expenditure on goods and services; and the harvest, capture, collection or slaughter of primary produce (fruit, vegetables and animals) by intended purpose (home consumption, sale or to give away).

The income and expenditure data from the modules and the diary are concatenated (ensuring that double counting does not occur), annualised, and extrapolated to form the income and expenditure aggregates presented herein.

7. Response rate

The table below presents the response rate by strata.

Table 7: Survey response rate, by atoll

	Sample	Valid questionnaire	% valid
Tongatapu - urban	480	479	99.80%
Tongatapu - rural	480	479	99.80%
Vava'u	384	384	100.00%
Ha'apai	192	181	94.30%
'Eua	192	185	96.40%
Ongo Niua	96	95	99.00%
Total	**1,824**	**1,803**	**98.80%**

8. Sampling weights

Tonga 2015/2016 was conducted between October 2015 to October 2016, just before the Tonga 2016 PHC (November 2016), and the HIES population estimates are dated to mid-point of field operation (April 2016). HIES population estimates ideally match the PHC figures and, in this regard, the HH weights were adjusted to more closely align with the PHC results.

Using the November 2016 census population figures, an estimate of the April 2016 population figures was derived in order to compare with the HIES population estimates. The HIES population weights were adjusted to match those of the PHC when factoring in population changes between April and November, 2016.

9. Data processing

The survey procedure and enumeration team structure allowed for in-round data entry, which gives the field staff the opportunity to correct the data by manual review and by using the entry system-generated error messages. This process was designed to improve data quality.

The data entry system used system-controlled entry, interactive coding and validity and consistency checks. Despite the validity and consistency checks put in place, the data still required cleaning. The cleaning was a 2-stage process, which included manual cleaning while referencing the questionnaire, whereas the second stage involved computer-assisted code verification and, in some cases, imputation.

Once the data were clean, verified and consistent, they were recoded to form a final aggregated database, consisting of:

1. Person level record – characteristics of every HH member, including activity and education profile;
2. HH level record – characteristics of the dwelling and access to services;
3. Final aggregated income – all HH income streams, by category and type;
4. Final aggregated expenditure – all HH expenditure items, by category and type.

An additional poverty file was also generated.

10. Error measurements

RSEs for the aggregated income and expenditure data are presented in Appendix 2. Non-sampling errors cannot be readily measured, however it is worth noting the issues associated with non-sampling errors, including:

- both respondents and interviewers may not entirely understand the information required from the survey, which can result in misinterpretation of the question being asked and the incorrect response;
- enumerator and respondent fatigue, resulting in underreporting, especially in completion of the HH diary;
- unwillingness to fully disclose information – especially in a small-island context - such as income and expenditure on some items (e.g., alcohol, tobacco and cash donations);
- the questionnaire being in English, which could be a second language for both the interviewers and respondents, and the need to complete a written diary (noting that: three-quarters of diaries were in Tongan; HHs were given the opportunity to complete a Tongan written diary; and enumerators could mostly converse in Tongan when required); and
- the inability to interview HHs members living abroad but remain dependent on the HH (e.g., students living in school dormitories) or are working to support the HH (e.g., seamen living on a ship), but who have not formed another HH outside of Tonga.

SECTION 3: ECONOMIC CONTEXT

Tonga consists of five administrative division of islands: Tongatapu, Vava'u, Ha'apai 'Eua, and the Ongo Niua, spread over an area of 360,000 square kilometres in the South Pacific with a total land area of 650 square kilometres. It includes over 170 islands, of which about 40 are permanently inhabited. The capital, Nuku'alofa, is located in Tongatapu and is the most populous island division. Tonga is a constitutional monarchy and the only remaining Kingdom in the South Pacific. The head of Government is the Prime Minister while the head of State is the King.

1. Population

According to the 2016 Population and Housing Census (PHC), Tonga has a total population of 100,651 representing a fall in population by 2.4 percent from the previous 2011 PHC. Approximately 75 percent of the total population reside in Tongatapu. The decrease in population was mainly contributed by migration during the census period.

2. Economy

The official currency use in Tonga is the Tongan Pa'anga (TOP) and at the time of writing this report (July 2017), one USD = 2.17 TOP (between October 2016 and October 2016 – the period of the HIES – the USD/TOP ranged from 2.14 to 2.34).

Inflation in Tonga has been steadily declining in recent years, mostly as a result of lower global food and fuel prices. The most notable inflationary spike was the increase in the price of Kava in October 2016 where an annual inflation rate of 28.8 was recorded and this can be attributable to a shortage in supply. Electricity prices in 2009/10 was 89.2 seniti/kwh, the highest ever recorded since 2009-2016 was 98 seniti/kwh in 2010/11 and lowest was 70 seniti/kwh in 2015/16.

The exchange rate of the Pa'anga, has, after a period of appreciation, depreciated from January 2014 to early 2016 both in real and nominal terms, to levels lower than in 2006, which has strengthened the competitiveness of Tongan exports and invited investment. On the other hand, partly as a result of its smallness, Tonga's economy has been subjected to strong economic cycles: the contraction of GDP due to domestic disturbances in 2006 and 2007 was followed by strong recovery in 2009-10, mostly driven by reconstruction efforts; 2012 and 2013 witnessed another period of negative growth, again followed by a rebound in 2014-15 and 2015-16, with real GDP growth rates of 3.7% and 3.4% respectively. The Service Sector contribution to GDP was about 55% in 2015-16 while Agriculture was the highest contributing Industry by 14% during the same period. Tonga's growth is largely driven by public expenditure because the public sector remains dominant in the economy due to the relatively small private sector.

Tonga is a small open economy, its trading activities has been limited, and the share of trade (exports and imports) in GDP has been in the range of 40% to 60% since 2009. In terms of export commodities, Tonga's trade is highly concentrated, which mainly consists of primary agricultural products, including kava, squash pumpkins, root crops, fresh brown coconuts and fish. Major import groups were machinery, mechanical & electrical appliances, mineral products, prepared foodstuffs, beverages, spirits & tobacco, vehicles, aircraft & associated transport equipment and live animals and animal products.

Tourism has significant potential for positive economic contribution, and growth, and it is currently a small yet increasingly important sector for the country. Visitor arrivals to the Kingdom picked up since 2013 and have increased to 86,662 in 2016 from the number recorded in 2009. Over 60% of the visitor's visits by plane the rest by sea, either by cruise ship or by Yacht. Travel receipts is one of the major receipts for trade in services and has contributed more than double the figure recorded in 2009 as reported in 2015-216.

Similarly, remittance have increased by 85% in 2015-16 as compared to 2009-10, which is mainly contributed to by the increase in number of seasonal workers joined the Recognised Seasonal Employee (RSE) in New Zealand and the Seasonal Worker Programme (SWP) in Australia.

Since the last HIES (2009) several one off events took place include the Funeral of King George Tupou V in March 2012, Coronation of their Majesties King Tupou VI and Queen Nanasipau'u in June 2015, Late Queen's Mother 90th Birthday in May 2016 and Tupou College 150 Anniversary in June 2016. Cyclone Ian – a category 5 - struck the Ha'apai Group with significant damage in January 2014 and it destroyed about 90% of the telecommunication and power in the group and about 80% of homes were damaged. In a report by a join report by the Government of Tonga and the Food and

Agriculture Organization of the United Nations, it estimated total damages and losses of TOP 38.5 million to the Agricultural and Fisheries sectors resulting from the cyclone.

Tax and duty amendments in April 2015 approved an excise tax rate of $1/kg on all imports of instant noodles – an increase from zero – and an import duty of 15% imposed in all imports of turkey tail and lamb flaps; import duties for fruits, vegetables, tinned fish and fresh fish were reduce to zero while import duty for onions and potatoes reduced by 15%. Additional import duties of 15% were imposed on imported beer and spirits and imported cigarettes and tobacco products. Excise taxes applicable to “used vehicles” of age 10 years or more at date of importation be reduced to half of the current excise tax.

Effective from July 2016, there were some customs duty amendments, which include reducing the import duty rate of a list of commodities to ‘free’ in order to promote healthy living and to support local manufacture of water bottles and plastic water tanks. Also import duty exemptions were applied to construction materials to support infrastructure development, commodities for educational purposes, commodities that encourage participation of the public in sports and other physical activities.

Also effective July 2016, a new excise tax amendment resulted in increases in excise tax rate for “unhealthy goods” such as commodities like chicken leg quarter, turkey tail, mayonnaise, ice cream, lard, instant noodles, sugary drinks, cigarette and tobacco and fuel.

SECTION 4: HOUSEHOLD EXPENDITURE

In this section, we provide a summary of the main components of HH expenditure in Tonga. The first subsection highlights some of the important facts relating to HH expenditure and a second section provided a set of expenditure tables.

1. Household expenditure summary

This summary highlights the main elements of HH expenditure and aims to present the main findings from the HIES. There is a multitude of opportunity for more in-depth analysis, including cross tabulation for more thematic studies, however this is beyond the scope of this report. Below we present the total, average and median annual HH and per capita expenditure; the composition of HH expenditure, by expenditure category and type; and we provide a more in-depth analysis of the composition of main expenditure categories.

2. Average and median expenditure

National average annual HH expenditure amounts to around TOP 30,520 (Table 8). This ranges from a low of around TOP 21,520 per HH per year in Ongo Niua up to 33,280 in Tongatapu (urban). To give a better understanding of the distribution of expenditure among the HH, the median expenditure – the expenditure of the 50th percentile HH – is provided. The annual national median HH expenditure is almost TOP 25,730 per annum, with a range of TOP 17,120 in Ongo Niua to TOP 27,390 in Tongatapu (urban). Outer island groups have lower average and median expenditure than Tongatapu-based HHs and, in the case of Ongo Niua, around one-third lower.

Per capita annual expenditure averages around TOP 5,520 per annum (TOP 4,870 in Ongo Niua and ‘Eua up to TOP 6,000 in Tongatapu (urban)), with a national median of TOP 4,280.

The significant difference between the average and the median is indicative of a degree of expenditure inequality among the HHs, with higher spending HHs skewing the expenditure distribution. This will be discussed in more detail in Section 7.

Table 8: Total, average and median annual HH and per capita expenditure, by strata (TOP)

	Total	HHs		Per capita	
		Average	Median	Average	Median
Tongatapu - urban	136,646,540	33,280	27,390	6,000	4,420
Tongatapu - rural	273,459,460	30,980	26,170	5,380	4,280
Vava'u	77,607,510	28,450	23,110	5,680	4,530
Ha’apai	32,914,790	27,520	22,960	5,320	3,730
‘Eua	23,239,090	26,350	22,280	4,820	3,660
Ongo Niua	5,901,440	21,520	17,120	4,870	3,770
Total	**549,768,820**	**30,520**	**25,730**	**5,520**	**4,280**

Total HH expenditure in Tonga amounts to around TOP 550 million per annum. Around three-quarters of total HH expenditure is incurred by HHs on Tongatapu (24 and 51 percent in urban and rural Tongatapu, respectfully), with 14 percent from Vava’u, 6 percent from Ha’apai, 4 percent from ‘Eua and 1 percent from Ongo Niua.

3. Composition of household expenditure

Household expenditure is made up of different categories and types of expenditure.

Expenditure categories are broadly made up of: i) consumption expenditure; ii) non-consumption expenditure; and iii) investment expenditure. A detailed description of these expenditure categories is provided in Appendix 1, however, they are briefly described below.

Consumption expenditure follows the United Nations Statistical Division’s Classification of Individual Consumption According to Purpose (COICOP), consisting of 12 expenditure divisions (Table 9). This expenditure category can generally be defined as expenditure that the HH incurs with the objective of consuming a good or service. Non-consumption expenditure is usually a significant component of Pacific HH expenditure, which is why it is reported, however it is not

used for CPI rebasing, in estimating the HH component of NA, nor for poverty analysis. Non-consumption expenditure is expenditure that the HH incurs, but it does not receive a good or service in return for the expenditure. Examples include cash donations to another HH, the Church or other institutions, such as schools. Investment expenditure refers to HH accumulation of capital, such as through the purchase of a house or a major asset.

In consideration of the Pacific context where subsistence and communal sharing are usual elements of HH economics, expenditure is further classified by type. Expenditure types consist of: i) cash; ii) subsistence; iii) cash gifts; iv) home produced gifts; v) imputed rents; and vi) in-kind income consumed. Again, these are defined in Appendix 1, however a brief definition is provided below.

Cash expenditure refers to expenditure incurred through a cash-based transition where a good or service is acquired. Subsistence expenditure refers to the value of a home-produced primary product (e.g., agriculture, fish or livestock) for consumption by the HH. A cash gift refers the cash purchase of a good or service for the beneficiary of another HH and, similarly, a home-produced gift refers the value of a home produced item that is gifted to another HH. Imputed rents are the value of the services that an owner occupied HH derives from living in that dwelling. In-kind income consumed refers to income provided by an employer that is in the form of a good or service that is consumed by the HH.

Below, we provide a breakdown of the composition of HH expenditure by category and type.

Expenditure category

By broad expenditure category, consumption expenditure makes up majority of total HH expenditure. Nationally, it accounts for 88 percent with a range of 80 percent in Ha'apai to 89 percent in Tongatapu (rural). Non-consumption expenditure makes up the large remaining majority, accounting for 11 percent nationally (20 percent in Ha'apai), with investment expenditure amounting to around 1 percent of total HH expenditure.

One-third of total HH expenditure is on food and non-alcoholic beverages (COICOP division 1). Tongatapu urban has the lowest proportion of HH expenditure on this division, accounting for 30 percent of total HH expenditure, while proportion in outer islands is greater, with this division accounting for almost 40 percent of expenditure in Vava'u and 'Eua (Table 9).

Following COICOP division 1 is COICOP division 4 (Housing, water, electricity, gas and other fuels), amounting to one-fifth of total HH expenditure. Tongatapu (urban) HH allocate 25 percent of their total expenditure to this division, with Ha'apai allocating the least amount of 16 percent. Transport is the final significant consumption expenditure group and accounting for 13 percent of total HH expenditure. Other significant COICOP divisions include division 2 (alcohol, tobacco and narcotics), making up 6 percent of total HH expenditure, communication (4 percent) and miscellaneous goods and services (4 percent).

Donations to the Church are significant and account for 8 percent of total national HH expenditure. This ranges from 7 percent in Tongatapu and up to 17 percent in Ha'apai.

Nationally, expenditure on food, housing, transport, donations to Church, and alcohol, tobacco, and narcotics, make up 80 percent of total HH expenditure.

Table 9: Composition of HH expenditure, by expenditure category and strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Consumption expenditure							
Food & non-alcohol beverage	29%	32%	40%	36%	39%	35%	33%
Alcohol beverage, tobacco & narcotics	5%	6%	5%	7%	3%	8%	6%
Clothing & footwear	1%	2%	1%	1%	0%	1%	1%
Housing, water, electricity, gas, etc	25%	19%	19%	16%	21%	17%	20%
Furnishings, HH equipment & maintenance	2%	3%	2%	2%	2%	3%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	12%	15%	10%	9%	13%	13%	13%
Communication	4%	4%	2%	4%	5%	3%	4%
Recreation and culture	1%	1%	1%	0%	1%	0%	1%
Education	2%	2%	1%	1%	1%	0%	2%
Restaurants and hotels	3%	2%	1%	0%	1%	0%	2%
Miscellaneous goods & services	3%	4%	3%	3%	3%	4%	3%
Total consumption expenditure	**89%**	**89%**	**86%**	**80%**	**88%**	**84%**	**88%**
Non-consumption expenditure							
Donation to other households	2%	2%	3%	3%	2%	1%	2%
Donation to Church	6%	8%	8%	17%	8%	13%	8%
Other donation	1%	0%	1%	0%	2%	1%	1%
Taxes and fines	0%	1%	0%	0%	0%	0%	0%
Total non-consumption expenditure	9%	10%	12%	20%	12%	15%	11%
Investment expenditure							
Land and house	2%	1%	2%	0%	0%	0%	1%
Plant	0%	0%	0%	0%	0%	1%	0%
Total investment expenditure	2%	1%	2%	0%	0%	1%	1%
TOTAL ANNUAL HH EXPENDITURE	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Expenditure type

Two-thirds of HH expenditure is cash-based expenditure for the benefit of the HH with another 14 percent being cash purchased gifts. As such, 81 percent of total HH expenditure is cash-based. Non-Tongatapu based HHs, however, have a lower proportion of their expenditure being cash-based. Around 70 and 72 percent of 'Eua and Ongo Niua expenditure is cash-based as subsistence expenditure (both for the benefit of the HH and as gifts to another HHs) makes up around 15 percent of expenditure. Imputed rents make up around 13 percent of total HH expenditure with in-kind income consumed being fairly minor.

Table 10: Composition of HH expenditure, by expenditure type and strata

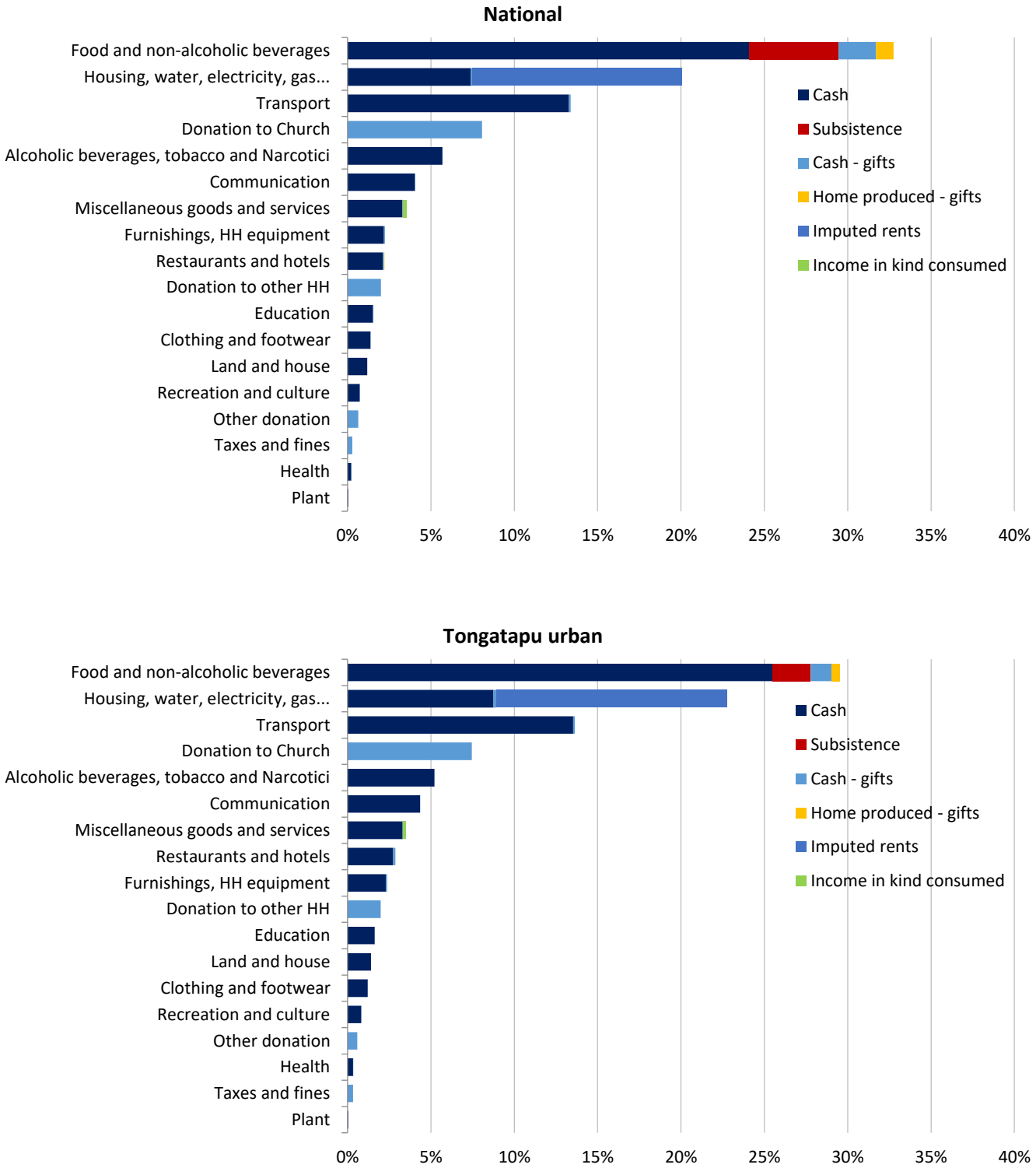
	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Cash	72%	70%	56%	56%	56%	56%	67%
Subsistence	1%	5%	10%	10%	13%	13%	5%
Cash – gifts	11%	12%	18%	22%	14%	16%	14%
Home produced – gifts	0%	1%	3%	1%	3%	1%	1%
Imputed rents	15%	12%	13%	11%	15%	13%	13%
In-kind income consumed	0%	0%	0%	0%	0%	1%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

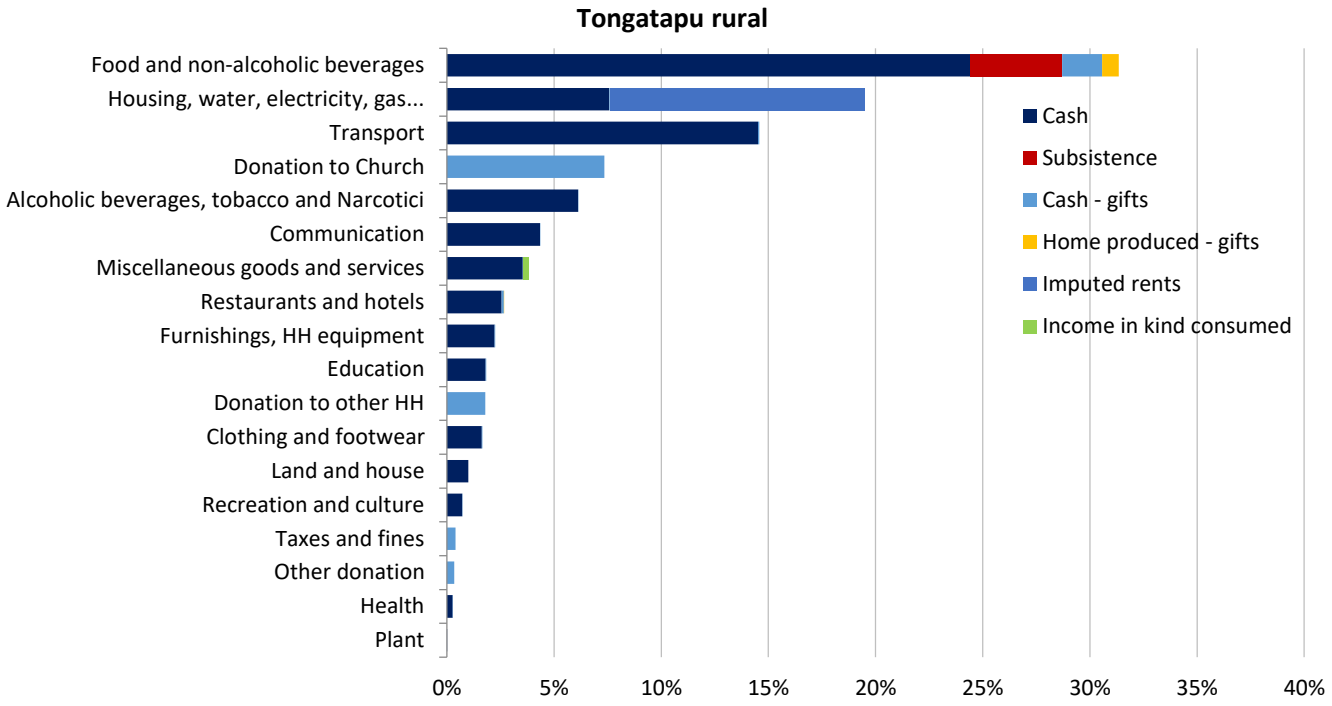
Expenditure composition by category and type

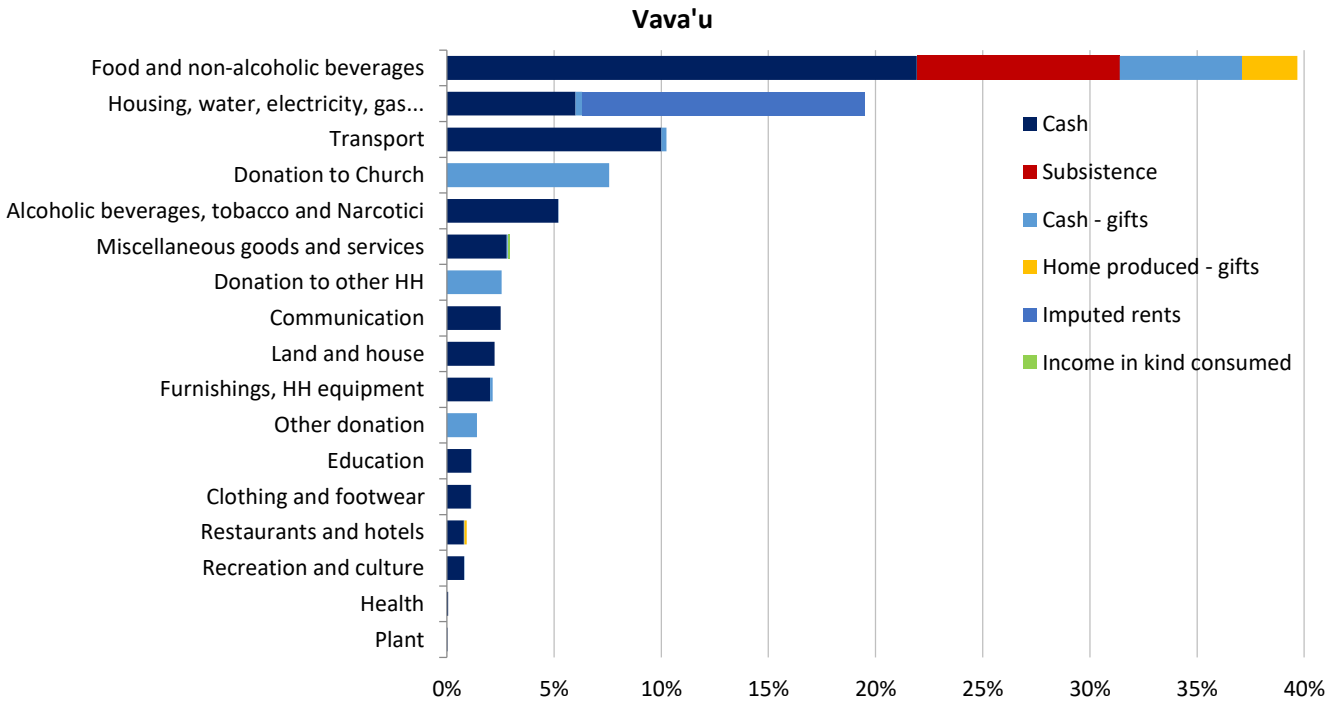
Constructing HH expenditure by category and type allows us to understand the composition of each expenditure category, by type. The below figures present this information. In summary, and as specified above, majority of expenditure is cash based. The most notable category where this is not the case is COICOP division 1, where around 16 percent of expenditure in this division is home produced (subsistence or home produced gifts). By strata, however, subsistence consumption and gifting is far more significant, accounting for 24 percent, 28 percent, 33 percent and 38 percent of HH expenditure on food and non-alcoholic beverages in Vava'u, Ha'apai, 'Eua and Ongo Niua respectfully (Figure 1).

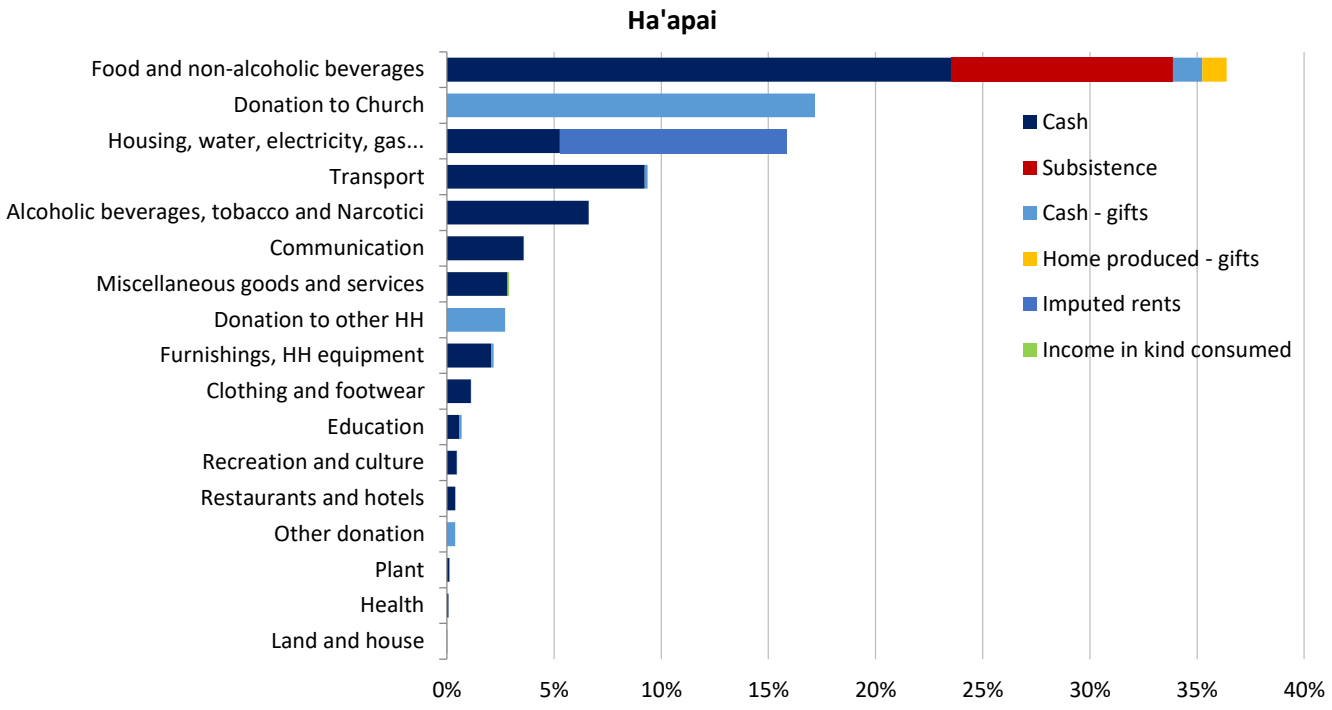
The other notable category is division 4 (housing, etc.), where imputed rents (non-cash) makes up 63 percent of expenditure within this category nationally and this proportion is fairly consistent across all strata.

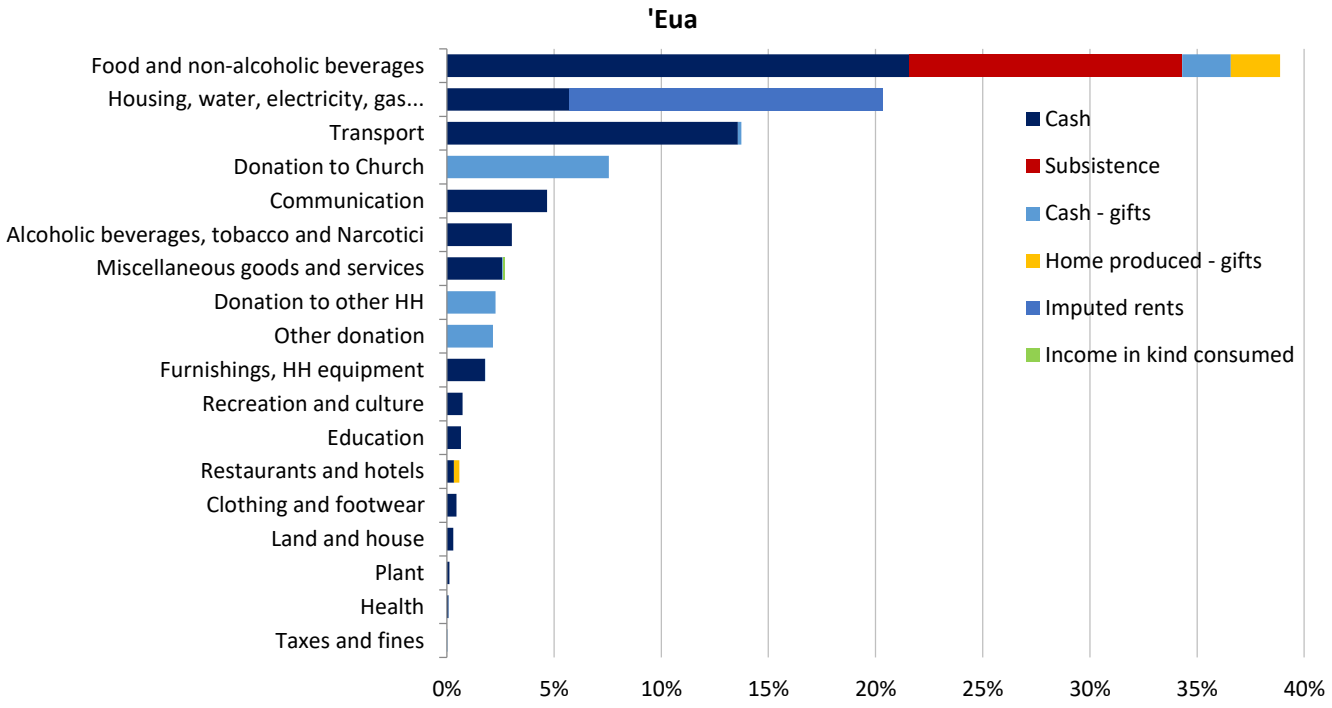
Figure 1: Composition of HH expenditure, by expenditure category and type

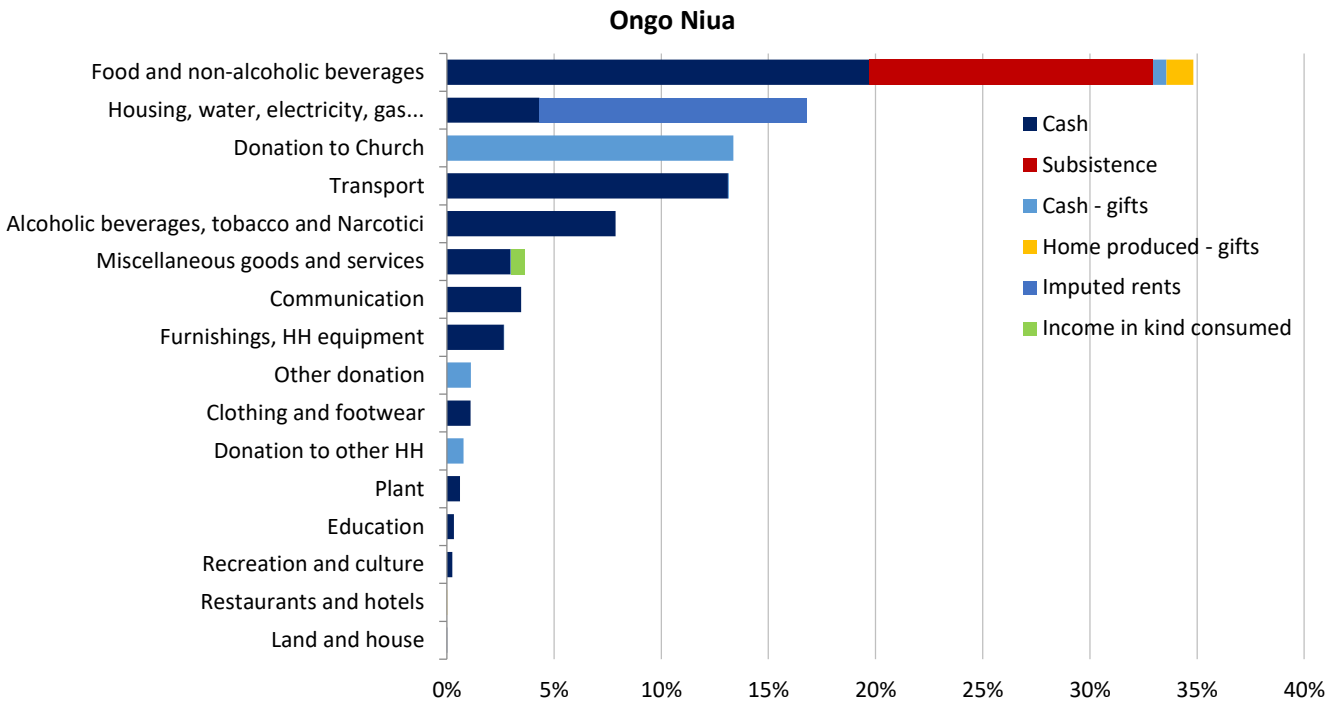



Tongatapu rural
Food and non-alcoholic beverages
Housing, water, electricity, gas...
Transport
Donation to Church
Alcoholic beverages, tobacco and Narcotici
Communication
Miscellaneous goods and services
Restaurants and hotels
Furnishings, HH equipment
Education
Donation to other HH
Clothing and footwear
Land and house
Recreation and culture
Taxes and fines
Other donation
Health
Plant
Cash
Subsistence
Cash - gifts
Home produced - gifts
Imputed rents
Income in kind consumed
0%
5%
10%
15%
20%
25%
30%
35%
40%


Vava'u
Food and non-alcoholic beverages
Housing, water, electricity, gas...
Transport
Donation to Church
Alcoholic beverages, tobacco and Narcotici
Miscellaneous goods and services
Donation to other HH
Communication
Land and house
Furnishings, HH equipment
Other donation
Education
Clothing and footwear
Restaurants and hotels
Recreation and culture
Health
Plant
Cash
Subsistence
Cash - gifts
Home produced - gifts
Imputed rents
Income in kind consumed
0%
5%
10%
15%
20%
25%
30%
35%
40%


Ha'apai
Food and non-alcoholic beverages
Donation to Church
Housing, water, electricity, gas...
Transport
Alcoholic beverages, tobacco and Narcotici
Communication
Miscellaneous goods and services
Donation to other HH
Furnishings, HH equipment
Clothing and footwear
Education
Recreation and culture
Restaurants and hotels
Other donation
Plant
Health
Land and house
Cash
Subsistence
Cash - gifts
Home produced - gifts
Imputed rents
Income in kind consumed
0%
5%
10%
15%
20%
25%
30%
35%
40%


'Eua
Food and non-alcoholic beverages
Housing, water, electricity, gas...
Transport
Donation to Church
Communication
Alcoholic beverages, tobacco and Narcotici
Miscellaneous goods and services
Donation to other HH
Other donation
Furnishings, HH equipment
Recreation and culture
Education
Restaurants and hotels
Clothing and footwear
Land and house
Plant
Health
Taxes and fines
Cash
Subsistence
Cash - gifts
Home produced - gifts
Imputed rents
Income in kind consumed
0%
5%
10%
15%
20%
25%
30%
35%
40%



Composition of expenditure on food and non-alcoholic beverages (COICOP division 1)

Food and non-alcoholic beverages is the main expenditure division and it accounts for 30 to 40 percent of total HH expenditure across all strata. Average HH expenditure within this division amounts to TOP 10,000 per annum (median TOP 8,280), which translates into an average annual per capita expenditure on food and non-alcoholic beverages of TOP 1,800 (median TOP 1,400).

Table 11: Total, average and median annual HH and per capita expenditure on COICOP division 1, by strata (TOP)

	Total	HHs		Per capita	
		Average	Median	Average	Median
Tongatapu - urban	39,079,760	9,520	7,870	1,710	1,390
Tongatapu - rural	86,343,640	9,840	8,590	1,700	1,370
Vava'u	30,919,200	11,380	8,020	2,260	1,530
Ha'apai	12,002,090	10,040	8,230	1,940	1,440
‘Eua	8,993,390	10,200	8,240	1,870	1,390
Ongo Niua	2,049,000	7,470	5,930	1,690	1,420
Total	**179,387,090**	**10,000**	**8,280**	**1,800**	**1,400**

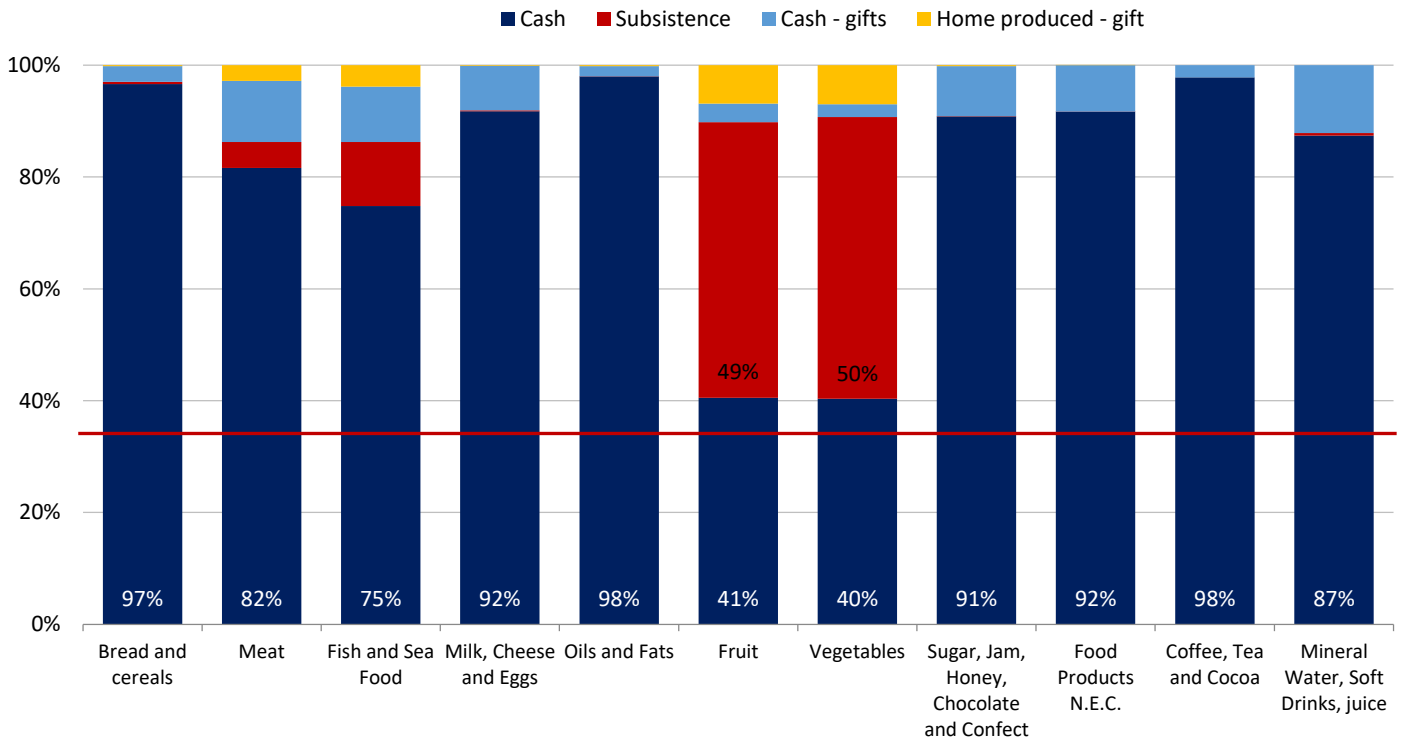
HH expenditure on food and non-alcoholic beverages (COICOP division 1) is concentrated around meat, vegetables, bread and cereals and fish and seafood, with these classes making up 77 percent of total HH expenditure within this division (Table 12). This expenditure distribution is fairly consistent across all strata.

Table 12: Composition of HH expenditure on COICOP division 1, by COICOP class

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Bread and cereals	15%	14%	13%	14%	14%	16%	14%
Meat	31%	30%	33%	30%	28%	20%	30%
Fish and seafood	10%	12%	10%	13%	10%	23%	12%
Milk, cheese and eggs	5%	4%	3%	2%	3%	2%	4%
Oils and fats	4%	3%	3%	3%	3%	2%	3%
Fruit	7%	6%	6%	6%	7%	11%	6%
Vegetables	16%	20%	24%	23%	30%	22%	21%
Sugar, jam, honey, chocolate	5%	4%	3%	4%	2%	3%	4%
Food products N.E.C.	2%	2%	1%	2%	2%	1%	2%
Coffee, tea and cocoa	1%	1%	0%	1%	0%	0%	1%
Mineral water, soft drinks, juices	5%	3%	4%	2%	2%	1%	4%
Total	100%	100%	100%	100%	100%	100%	100%

As shown above, however, expenditure within this division is not solely cash-based. As can be seen from Figure 2, the majority (80 percent) of HH expenditure on COICOP division 1 is cash-based, however when this is disaggregated by strata it can be seen that more than half of expenditure within fruit and vegetable COICOP classes is derived from subsistence consumption, or home produced gifts. This highlights the importance of subsistence for these healthy food groups. There's also a component, albeit minor, of HH consumption expenditure on meat and fish and seafood that is derived from subsistence (or home production).

Figure 2: Distribution of HH expenditure on COICOP division 1, by expenditure type and COICOP class



The below table shows the top 12 ranked items by national total expenditure on food and non-alcoholic beverages (COICOP division 1). These 12 food sub-classes make up 72 percent of total expenditure on COICOP division 1 – a fairly concentrated food basket, with 12 items making up more than two-thirds of total expenditure on food and beverage.

These items are ranked by total national expenditure (i.e., not by individual strata), however it can be seen that there's a large degree of homogeneity in food expenditure, by COICOP sub-class, across all stratum. HH expenditure – both in the form of cash and subsistence – is the highest on tubers (amounting to 16 percent of total HH expenditure within COICOP division 1), followed by Chicken (12 percent), fish (7 percent) (refer Table 13).

Table 13: Distribution of total HH expenditure on food and non-alcoholic beverages, by the top 12 food items and strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Tubers (taro, cassava, etc.)	10%	14%	20%	19%	27%	18%	15%
Chicken (fresh of frozen)	13%	12%	11%	12%	13%	5%	12%
Fish (fresh of frozen)	9%	7%	5%	9%	7%	8%	7%
Sheep (fresh of frozen)	7%	7%	5%	5%	6%	3%	7%
Fruit	6%	7%	6%	6%	7%	11%	6%
Vegetables	6%	5%	4%	4%	3%	4%	5%
Bread	5%	5%	4%	2%	3%	0%	4%
Beef (fresh of frozen)	4%	3%	6%	4%	3%	0%	4%
Biscuits and crackers	3%	3%	3%	5%	3%	8%	3%
Pork (fresh of frozen)	2%	3%	5%	6%	3%	2%	3%
Butter	3%	3%	2%	2%	2%	0%	3%
Preserved meat (cormed beef)	2%	3%	2%	3%	1%	10%	2%
Total	**69%**	**72%**	**73%**	**75%**	**77%**	**69%**	**72%**

Table 14 shows the expenditure type (by cash or subsistence) for the 12 main expenditure sub-classes within COICOP division 1 (the total represents total expenditure, by source). Overall, 81 percent of total expenditure on food and beverage is cash-based. This ranges from 59 percent in Ongo Niua and up to 94 percent in Tongatapu (urban), which shows the important of subsistence for food security in Tonga, especially in the outer islands. By commodity and by strata, it can be seen (Table 14) that there's a wide mix of expenditure type. For example, looking at expenditure on tubers, it can be seen that nationally it's 31 percent cash-based, however this figure is largely driven by Tongatapu (urban) HHs, as the other stratums show much lower cash expenditure on tubers, with Ongo Niua entirely sourcing their tubers through subsistence.

Major cash-based food items are: chicken, sheep, bread, biscuits and crackers, butter and preserved meat. The remainder are a mixture of cash and subsistence, with rural HHs primarily acquiring the remainder through subsistence means and urban HHs through cash.

Table 14: Distribution of total HH expenditure on food and non-alcoholic beverages, by the top 12 food items, strata and expenditure type

	Tongatapu – urban		Tongatapu - rural		Vava'u		Ha'apai		'Eua		Ongo Niua		Total	
	Cash	**Subsist**	**Cash**	**Subsist**	**Cash**	**Subsist**	**Cash**	**Subsist**	**Cash**	**Subsist**	**Cash**	**Subsist**	**Cash**	**Subsist**
Tubers (taro, cassava, etc.)	70%	30%	32%	68%	19%	81%	24%	76%	6%	94%	0%	100%	31%	69%
Chicken (fresh of frozen)	100%	0%	99%	1%	96%	4%	98%	2%	95%	5%	99%	1%	99%	1%
Fish (fresh of frozen)	95%	5%	90%	10%	60%	40%	62%	38%	45%	55%	18%	82%	82%	18%
Sheep (fresh of frozen)	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
Fruit	78%	22%	40%	60%	34%	66%	22%	78%	19%	81%	0%	100%	43%	57%
Vegetables	93%	7%	80%	20%	66%	34%	62%	38%	41%	59%	17%	83%	78%	22%
Bread	100%	0%	100%	0%	99%	1%	95%	5%	100%	0%	100%	0%	100%	0%
Beef (fresh of frozen)	100%	0%	100%	0%	77%	23%	100%	0%	100%	0%	100%	0%	94%	6%
Biscuits and crackers	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
Pork (fresh of frozen)	49%	51%	52%	48%	25%	75%	4%	96%	62%	38%	7%	93%	38%	62%
Butter	100%	0%	100%	0%	99%	1%	99%	1%	100%	0%	100%	0%	100%	0%
Preserved meat (cormed beef)	100%	0%	100%	0%	99%	1%	100%	0%	100%	0%	100%	0%	100%	0%
Total (COICOP - division 1)	**94%**	**6%**	**83%**	**17%**	**69%**	**31%**	**69%**	**31%**	**61%**	**39%**	**59%**	**41%**	**81%**	**19%**

Composition of expenditure on housing, water, electricity, gas and other fuels (COICOP division 4)

Housing, water, electricity, gas and other fuels is the second most significant expenditure division and it accounts for 16 to 25 percent of total HH expenditure across all strata. Average HH expenditure within this division amounts to TOP 6,170 per annum (median TOP 5,000), which translates into an average annual per capita expenditure of TOP 1,120 (median TOP 770). All expenditure within this division is cash-based, or imputed rents.

Table 15: Total, average and median annual HH and per capita expenditure on COICOP division 4, by strata (TOP)

	Total	HHs		Per capita	
		Average	Median	Average	Median
Tongatapu - urban	34,527,410	8,410	6,450	1,515	980
Tongatapu - rural	50,673,060	5,740	4,720	1,000	730
Vava'u	15,047,200	5,520	4,640	1,100	800
Ha’apai	5,211,730	4,360	3,550	840	590
‘Eua	4,769,870	5,410	4,820	990	740
Ongo Niua	995,350	3,630	3,360	820	590
Total	**111,224,620**	**6,170**	**5,000**	**1,120**	**770**

The majority (46 to 64 percent) of expenditure within this division, by strata, is made up of imputed rents – the estimated value of services that the owner occupier derives from living in their dwelling (Table 16). Utilities (electricity, water, gas) make up between 4 percent (in Ongo Niua) and 28 percent (Tongatapu, rural) of expenditure within this division. In Ongo Niua, liquid fuels (presumably for running a generator) make up 16 percent of expenditure within this division.

Table 16: Composition of HH expenditure on COICOP division 4

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	‘Eua	Ongo Niua	Total
Imputed rentals of owner occupiers	42%	55%	54%	56%	63%	56%	51%
Electricity	16%	18%	13%	13%	15%	0%	16%
Other imputed rentals	15%	9%	14%	11%	9%	18%	12%
Materials for the maintenance and repair	7%	5%	6%	6%	6%	7%	6%
Water Supply	5%	6%	5%	6%	5%	3%	5%
Gas	6%	4%	3%	1%	1%	1%	4%
Actual rentals paid by tenants	4%	1%	2%	0%	0%	0%	2%
Other	5%	4%	3%	7%	2%	16%	4%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Composition of expenditure on transport (COICOP division 7)

Transport is the third most significant expenditure division and it accounts for 9 to 15 percent of total HH expenditure across all strata. Average HH expenditure within this division amounts to TOP 4,070 per annum (median TOP 2,520), which translates into an average annual per capita expenditure of TOP 740 (median TOP 420). All expenditure within this division is cash-based.

Table 17: Total, average and median annual HH and per capita expenditure on COICOP division 7, by strata (TOP)

	Total	HHs		Per capita	
		Average	Median	Average	Median
Tongatapu - urban	17,044,310	4,150	2,820	750	450
Tongatapu - rural	41,312,610	4,680	2,935	810	500
Vava'u	7,941,630	2,910	1,380	580	260
Ha’apai	3,109,290	2,600	1,500	500	270
‘Eua	3,119,980	3,540	1,542	650	270
Ongo Niua	780,430	2,850	390	640	70
Total	**73,308,250**	**4,070**	**2,520**	**740**	**420**

The majority (81 to 91 percent) of expenditure within this division, by strata, is made up of fuel, purchase of cars and air-transportation (Table 18). A higher proportion of expenditure within this division is allocated to sea-transportation in Ha'apai (14 percent), Vava'u and Ongo Niua (6 percent each).

Table 18: Composition of HH expenditure on COICOP division 7

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Fuels And Lubricants	43%	43%	39%	32%	41%	16%	42%
Motor Cars	18%	25%	26%	16%	45%	60%	24%
Passenger transport by air	21%	16%	21%	33%	5%	13%	18%
Passenger transport by road	6%	6%	4%	2%	5%	2%	6%
Other transport services	5%	4%	2%	1%	2%	1%	4%
Passenger transport by sea	2%	1%	6%	14%	1%	6%	2%
Other	5%	4%	3%	2%	1%	3%	4%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

4. Main expenditure items (total, cash and non-cash)

The following tables show the proportion of total expenditure (Table 19) cash-based expenditure (Table 20) and subsistence expenditure (Table 21) that the top 12 HH expenditure items account for.

In terms of total expenditure (cash, subsistence and imputed rents), it can be seen that imputed rents are the most significant expenditure item, by COICOP sub-class, making up 10 percent of total national HH expenditure. Following this is church donations (8 percent), fuel (6 percent) and tubers (5 percent). Overall, more than half of total HH expenditure is allocated to the below 12-items across all domains in Tonga.

Table 19: Proportion of total expenditure that top 12 items account for, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Imputed rents	11%	10%	10%	9%	13%	10%	10%
Church donations	6%	8%	8%	17%	8%	13%	8%
Fuel	5%	7%	4%	3%	6%	2%	6%
Tubers (taro, cassava, etc.)	3%	5%	8%	7%	10%	6%	5%
Telephone (top-up)	4%	4%	2%	4%	5%	3%	4%
Chicken	4%	4%	5%	4%	5%	2%	4%
Electricity	2%	4%	3%	2%	6%	8%	3%
Purchase of vehicles	4%	3%	3%	2%	3%	0%	3%
Cigarettes	3%	3%	1%	2%	1%	0%	3%
Air-transport	3%	2%	2%	3%	1%	2%	2%
Fish	3%	2%	2%	3%	3%	3%	2%
Imputed rents - reduced rent	4%	2%	3%	2%	2%	3%	2%
Total	**51%**	**54%**	**51%**	**57%**	**61%**	**52%**	**53%**

Looking at cash expenditure only (i.e., excluding subsistence and imputed rents), the main items (and their proportion of total cash expenditure) are: church donation (10 percent, but 22 and 18 percent in Ha'apai and Ongo Niua, respectfully); fuel (7 percent), telephone (5 percent, mainly through top-up), chicken (5 percent) and electricity (4 percent).

Table 20: Proportion of total cash expenditure that top 12 cash items account for, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Church donation	7.7%	9.5%	10.2%	22.0%	11.3%	18.6%	10.0%
Fuel	6.5%	7.9%	5.3%	3.8%	7.9%	2.9%	6.9%
Telephone (top-up)	5.0%	5.2%	3.3%	4.5%	6.7%	4.7%	4.9%
Chicken	4.4%	4.6%	5.8%	5.3%	6.7%	2.4%	4.8%
Electricity	2.7%	4.6%	3.6%	2.0%	8.6%	11.0%	4.0%
Purchase of vehicles	4.7%	3.9%	3.4%	2.6%	4.4%	0.0%	4.0%
Cigarettes	3.3%	4.0%	1.8%	2.1%	0.8%	0.7%	3.3%
Air-transport	3.2%	3.0%	2.9%	4.0%	1.0%	2.3%	3.0%
Sheep / lamb	2.5%	2.7%	2.9%	2.2%	3.4%	1.2%	2.7%
Cash transfers	2.4%	2.1%	3.4%	3.4%	3.3%	1.1%	2.5%
Fish	2.9%	2.4%	1.8%	2.5%	1.7%	0.7%	2.4%
Takeaway food	3.2%	2.3%	0.9%	0.4%	0.4%	0.0%	2.1%
Total	**48%**	**52%**	**45%**	**55%**	**56%**	**45%**	**51%**

In terms of subsistence expenditure (i.e., excluding cash and imputed rents), it can be seen that eight items make up almost all subsistence consumption expenditure. Tubers make up more than half, followed by fruit (18 percent), pork (9 percent), fish (7 percent) and vegetables (5 percent). This is demonstrative of the importance of subsistence for nutrition and food security in Tonga.

Table 21: Proportion of total subsistence (home production) expenditure that top 8 items account for, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Tubers (taro, cassava, etc)	49%	57%	55%	48%	65%	43%	55%
Fruit	20%	24%	12%	15%	14%	27%	19%
Pork	16%	7%	12%	18%	2%	4%	10%
Fish	7%	4%	7%	11%	10%	16%	7%
Vegetables	7%	6%	4%	5%	5%	8%	5%
Seafood	0%	1%	4%	3%	2%	1%	2%
Beef	0%	0%	4%	0%	0%	0%	1%
Chicken	0%	0%	1%	1%	2%	0%	1%
Total	**99%**	**99%**	**98%**	**97%**	**98%**	**98%**	**99%**

5. Expenditure tables

Annual household expenditure

Table 22: Total annual HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	132,405	29,000	12,097	5,885	-	-	179,387
Alcoholic beverages, Tobacco	31,003	-	2	-	-	-	31,005
Clothing and footwear	7,396	-	76	-	-	-	7,471
Housing, water, electricity, gas	40,888	-	587	-	69,750	-	111,225
Furnishings, HH equipment	12,140	-	345	-	-	-	12,486
Health	1,288	-	5	-	-	-	1,294
Transport	72,717	-	592	-	-	-	73,308
Communication	22,298	-	26	-	-	-	22,324
Recreation and culture	4,034	-	67	-	-	-	4,100
Education	8,322	-	117	-	-	-	8,439
Restaurants and hotels	11,368	-	484	149	-	-	12,001
Miscellaneous goods and services	17,954	-	195	-	-	1,013	19,163
Total consumption expenditure	**361,813**	**29,000**	**14,594**	**6,034**	**69,750**	**1,013**	**482,204**
Non-consumption expenditure							
Donation to other HH	-	-	11,067	-	-	-	11,067
Donation to church	-	-	44,305	-	-	-	44,305
Other donation	-	-	3,514	-	-	-	3,514
Taxes and fines	-	-	1,538	-	-	-	1,538
Total non-consumption expenditure	**-**	**-**	**60,424**	**-**	**-**	**-**	**60,424**
Investment expenditure							
Land and house	6,907	-	-	-	-	-	6,907
Plant	234	-	-	-	-	-	234
Total investment expenditure	**7,141**	**0**	**0**	**0**	**0**	**0**	**7,141**
TOTAL EXPENDITURE	**368,954**	**29,000**	**75,018**	**6,034**	**69,750**	**1,013**	**549,769**

Table 23: Total annual urban HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	34,829	1,858	1,920	473	-	-	39,080
Alcoholic beverages, Tobacco	6,927	-	0	-	-	-	6,928
Clothing and footwear	1,850	-	2	-	-	-	1,852
Housing, water, electricity, gas	14,362	-	271	-	19,894	-	34,527
Furnishings, HH equipment	2,590	-	13	-	-	-	2,603
Health	450	-	2	-	-	-	452
Transport	16,866	-	179	-	-	-	17,044
Communication	5,791	-	9	-	-	-	5,800
Recreation and culture	1,105	-	5	-	-	-	1,110
Education	2,946	-	5	-	-	-	2,951
Restaurants and hotels	4,141	-	184	-	-	-	4,325
Miscellaneous goods and services	4,202	-	47	-	-	371	4,621
Total consumption expenditure	**96,059**	**1,858**	**2,638**	**473**	**19,894**	**371**	**121,292**
Non-consumption expenditure							
Donation to other HH	-	-	2,790	-	-	-	2,790
Donation to church	-	-	8,726	-	-	-	8,726
Other donation	-	-	1,047	-	-	-	1,047
Taxes and fines	-	-	118	-	-	-	118
Total non-consumption expenditure	**-**	**-**	**12,682**	**-**	**-**	**-**	**12,682**
Investment expenditure							
Land and house	2,611	-	-	-	-	-	2,611
Plant	61	-	-	-	-	-	61
Total investment expenditure	**2,672**	**0**	**0**	**0**	**0**	**0**	**2,672**
TOTAL EXPENDITURE	**98,731**	**1,858**	**15,320**	**473**	**19,894**	**371**	**136,647**

Table 24: Total annual rural HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	97,576	27,142	10,177	5,412	-	-	140,307
Alcoholic beverages, Tobacco	24,075	-	2	-	-	-	24,077
Clothing and footwear	5,545	-	74	-	-	-	5,619
Housing, water, electricity, gas	26,526	-	316	-	49,855	-	76,697
Furnishings, HH equipment	9,550	-	333	-	-	-	9,883
Health	838	-	3	-	-	-	842
Transport	55,851	-	413	-	-	-	56,264
Communication	16,507	-	17	-	-	-	16,524
Recreation and culture	2,929	-	62	-	-	-	2,991
Education	5,376	-	112	-	-	-	5,488
Restaurants and hotels	7,227	-	301	149	-	-	7,677
Miscellaneous goods and services	13,752	-	148	-	-	642	14,542
Total consumption expenditure	**265,754**	**27,142**	**11,956**	**5,562**	**49,855**	**642**	**360,912**
Non-consumption expenditure							
Donation to other HH	-	-	8,276	-	-	-	8,276
Donation to church	-	-	35,578	-	-	-	35,578
Other donation	-	-	2,467	-	-	-	2,467
Taxes and fines	-	-	1,420	-	-	-	1,420
Total non-consumption expenditure	**-**	**-**	**47,742**	**-**	**-**	**-**	**47,742**
Investment expenditure							
Land and house	4,296	-	-	-	-	-	4,296
Plant	172	-	-	-	-	-	172
Total investment expenditure	**4,469**	**0**	**0**	**0**	**0**	**0**	**4,469**
TOTAL EXPENDITURE	**270,223**	**27,142**	**59,698**	**5,562**	**49,855**	**642**	**413,122**

Table 25: Total annual Tongatapu HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	101,451	14,486	6,621	2,866	-	-	125,423
Alcoholic beverages, Tobacco	23,659	-	2	-	-	-	23,661
Clothing and footwear	5,994	-	69	-	-	-	6,063
Housing, water, electricity, gas	32,981	-	341	-	51,879	-	85,200
Furnishings, HH equipment	9,341	-	219	-	-	-	9,560
Health	1,203	-	4	-	-	-	1,207
Transport	58,036	-	321	-	-	-	58,357
Communication	17,873	-	22	-	-	-	17,895
Recreation and culture	3,064	-	53	-	-	-	3,117
Education	7,118	-	77	-	-	-	7,195
Restaurants and hotels	10,550	-	463	11	-	-	11,024
Miscellaneous goods and services	14,116	-	139	-	-	899	15,154
Total consumption expenditure	**285,386**	**14,486**	**8,331**	**2,877**	**51,879**	**899**	**363,857**
Non-consumption expenditure							
Donation to other HH	-	-	7,641	-	-	-	7,641
Donation to church	-	-	30,116	-	-	-	30,116
Other donation	-	-	1,803	-	-	-	1,803
Taxes and fines	-	-	1,533	-	-	-	1,533
Total non-consumption expenditure	**-**	**-**	**41,093**	**-**	**-**	**-**	**41,093**
Investment expenditure							
Land and house	5,065	-	-	-	-	-	5,065
Plant	91	-	-	-	-	-	91
Total investment expenditure	**5,156**	**0**	**0**	**0**	**0**	**0**	**5,156**
TOTAL EXPENDITURE	**290,542**	**14,486**	**49,424**	**2,877**	**51,879**	**899**	**410,106**

Table 26: Total annual Tongatapu (urban) HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	34,829	1,858	1,920	473	-	-	39,080
Alcoholic beverages, Tobacco	6,927	-	0	-	-	-	6,928
Clothing and footwear	1,850	-	2	-	-	-	1,852
Housing, water, electricity, gas	14,362	-	271	-	19,894	-	34,527
Furnishings, HH equipment	2,590	-	13	-	-	-	2,603
Health	450	-	2	-	-	-	452
Transport	16,866	-	179	-	-	-	17,044
Communication	5,791	-	9	-	-	-	5,800
Recreation and culture	1,105	-	5	-	-	-	1,110
Education	2,946	-	5	-	-	-	2,951
Restaurants and hotels	4,141	-	184	-	-	-	4,325
Miscellaneous goods and services	4,202	-	47	-	-	371	4,621
Total consumption expenditure	**96,059**	**1,858**	**2,638**	**473**	**19,894**	**371**	**121,292**
Non-consumption expenditure							
Donation to other HH	-	-	2,790	-	-	-	2,790
Donation to church	-	-	8,726	-	-	-	8,726
Other donation	-	-	1,047	-	-	-	1,047
Taxes and fines	-	-	118	-	-	-	118
Total non-consumption expenditure	**-**	**-**	**12,682**	**-**	**-**	**-**	**12,682**
Investment expenditure							
Land and house	2,611	-	-	-	-	-	2,611
Plant	61	-	-	-	-	-	61
Total investment expenditure	**2,672**	**0**	**0**	**0**	**0**	**0**	**2,672**
TOTAL EXPENDITURE	**98,731**	**1,858**	**15,320**	**473**	**19,894**	**371**	**136,647**

Table 27: Total annual Tongatapu (rural) HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food And Non-Alcoholic Beverages	66,622	12,628	4,701	2,393	-	-	86,344
Alcoholic beverages, Tobacco	16,732	-	1	-	-	-	16,733
Clothing And Footwear	4,144	-	67	-	-	-	4,211
Housing, water, electricity, gas	18,619	-	70	-	31,984	-	50,673
Furnishings, Household Equipment	6,751	-	206	-	-	-	6,958
Health	753	-	2	-	-	-	756
Transport	41,170	-	142	-	-	-	41,313
Communication	12,082	-	13	-	-	-	12,095
Recreation And Culture	1,959	-	48	-	-	-	2,007
Education	4,173	-	71	-	-	-	4,244
Restaurants And Hotels	6,409	-	280	11	-	-	6,699
Miscellaneous Goods And Services	9,914	-	92	-	-	528	10,533
Total consumption expenditure	189,328	12,628	5,694	2,404	31,984	528	242,565
Non-consumption expenditure							
Donation to other hh	-	-	4,851	-	-	-	4,851
Donation to Church	-	-	21,390	-	-	-	21,390
Other donation	-	-	755	-	-	-	755
Taxes and fines	-	-	1,414	-	-	-	1,414
Total non-consumption expenditure	**-**	**-**	**28,411**	**-**	**-**	**-**	**28,411**
Investment expenditure							
Land and house	2,454	-	-	-	-	-	2,454
Plant	30	-	-	-	-	-	30
Total investment expenditure	**2,484**	**0**	**0**	**0**	**0**	**0**	**2,484**
TOTAL EXPENDITURE	**191,811**	**12,628**	**34,104**	**2,404**	**31,984**	**528**	**273,459**

Table 28: Total annual Vava'u HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	17,006	7,425	4,456	2,032	-	-	30,919
Alcoholic beverages, Tobacco	3,975	-	0	-	-	-	3,975
Clothing and footwear	867	-	2	-	-	-	869
Housing, water, electricity, gas	4,603	-	244	-	10,200	-	15,047
Furnishings, HH equipment	1,571	-	91	-	-	-	1,662
Health	44	-	-	-	-	-	44
Transport	7,748	-	194	-	-	-	7,942
Communication	1,927	-	-	-	-	-	1,927
Recreation and culture	628	-	13	-	-	-	641
Education	845	-	3	-	-	-	848
Restaurants and hotels	612	-	17	78	-	-	707
Miscellaneous goods and services	2,154	-	30	-	-	56	2,241
Total consumption expenditure	**41,979**	**7,425**	**5,052**	**2,110**	**10,200**	**56**	**66,822**
Non-consumption expenditure							
Donation to other HH	-	-	1,984	-	-	-	1,984
Donation to church	-	-	5,912	-	-	-	5,912
Other donation	-	-	1,098	-	-	-	1,098
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**0**	**0**	**8,994**	**0**	**0**	**0**	**8,994**
Investment expenditure							
Land and house	1,769	-	-	-	-	-	1,769
Plant	23	-	-	-	-	-	23
Total investment expenditure	**1,791**	**0**	**0**	**0**	**0**	**0**	**1,791**
TOTAL EXPENDITURE	**43,770**	**7,425**	**14,046**	**2,110**	**10,200**	**56**	**77,608**

Table 29: Total annual Ha'apai HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	7,778	3,379	481	363	-	-	12,002
Alcoholic beverages, Tobacco	2,161	-	-	-	-	-	2,161
Clothing and footwear	367	-	4	-	-	-	371
Housing, water, electricity, gas	1,716	-	1	-	3,496	-	5,212
Furnishings, HH equipment	677	-	32	-	-	-	709
Health	25	-	-	-	-	-	25
Transport	3,064	-	45	-	-	-	3,109
Communication	1,190	-	4	-	-	-	1,194
Recreation and culture	154	-	1	-	-	-	155
Education	190	-	38	-	-	-	228
Restaurants and hotels	129	-	2	3	-	-	134
Miscellaneous goods and services	895	-	17	-	-	1	913
Total consumption expenditure	**18,346**	**3,379**	**625**	**366**	**3,496**	**1**	**26,213**
Non-consumption expenditure							
Donation to other HH	-	-	866	-	-	-	866
Donation to church	-	-	5,653	-	-	-	5,653
Other donation	-	-	126	-	-	-	126
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**0**	**0**	**6,645**	**0**	**0**	**0**	**6,645**
Investment expenditure							
Land and house	3	-	-	-	-	-	3
Plant	54	-	-	-	-	-	54
Total investment expenditure	**57**	**-**	**-**	**-**	**-**	**-**	**57**
TOTAL EXPENDITURE	**18,403**	**3,379**	**7,270**	**366**	**3,496**	**1**	**32,915**

Table 30: Total annual 'Eua HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	5,008	2,936	501	549	-	-	8,993
Alcoholic beverages, Tobacco	744	-	-	-	-	-	744
Clothing and footwear	103	-	-	-	-	-	103
Housing, water, electricity, gas	1,334	-	1	-	3,435	-	4,770
Furnishings, HH equipment	394	-	2	-	-	-	396
Health	16	-	1	-	-	-	17
Transport	3,091	-	29	-	-	-	3,120
Communication	1,108	-	-	-	-	-	1,108
Recreation and culture	173	-	-	-	-	-	173
Education	149	-	-	-	-	-	149
Restaurants and hotels	76	-	2	57	-	-	136
Miscellaneous goods and services	616	-	8	-	-	21	644
Total consumption expenditure	**12,813**	**2,936**	**544**	**605**	**3,435**	**21**	**20,354**
Non-consumption expenditure							
Donation to other HH	-	-	529	-	-	-	529
Donation to church	-	-	1,830	-	-	-	1,830
Other donation	-	-	420	-	-	-	420
Taxes and fines	-	-	6	-	-	-	6
Total non-consumption expenditure	**0**	**0**	**2,785**	**0**	**0**	**0**	**2,785**
Investment expenditure							
Land and house	71	-	-	-	-	-	71
Plant	29	-	-	-	-	-	29
Total investment expenditure	**100**	**-**	**-**	**-**	**-**	**-**	**100**
TOTAL EXPENDITURE	**12,913**	**2,936**	**3,329**	**605**	**3,435**	**21**	**23,239**

Table 31: Total annual Ongo Niua HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,162	775	37	75	-	-	2,049
Alcoholic beverages, Tobacco	464	-	-	-	-	-	464
Clothing and footwear	64	-	-	-	-	-	64
Housing, water, electricity, gas	255	-	-	-	740	-	995
Furnishings, HH equipment	-	-	-	-	-	-	-
Health	157	-	1	-	-	-	158
Transport	778	-	3	-	-	-	780
Communication	201	-	-	-	-	-	201
Recreation and culture	15	-	-	-	-	-	15
Education	19	-	-	-	-	-	19
Restaurants and hotels	-	-	-	1	-	-	1
Miscellaneous goods and services	173	-	2	-	-	37	211
Total consumption expenditure	3,288	775	42	76	740	37	4,958
Non-consumption expenditure							
Donation to other HH	-	-	46	-	-	-	46
Donation to church	-	-	793	-	-	-	793
Other donation	-	-	67	-	-	-	67
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**906**	**-**	**-**	**-**	**906**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	37	-	-	-	-	-	37
Total investment expenditure	**37**	**0**	**0**	**0**	**0**	**0**	**37**
TOTAL EXPENDITURE	**3,325**	**775**	**948**	**76**	**740**	**37**	**5,901**

Average annual household expenditure

Table 32: Average annual HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	7,350	1,610	672	327	-	-	9,958
Alcoholic beverages, Tobacco	1,721	-	0	-	-	-	1,721
Clothing and footwear	411	-	4	-	-	-	415
Housing, water, electricity, gas	2,270	-	33	-	3,872	-	6,174
Furnishings, HH equipment	674	-	19	-	-	-	693
Health	72	-	0	-	-	-	72
Transport	4,037	-	33	-	-	-	4,070
Communication	1,238	-	1	-	-	-	1,239
Recreation and culture	224	-	4	-	-	-	228
Education	462	-	7	-	-	-	468
Restaurants and hotels	631	-	27	8	-	-	666
Miscellaneous goods and services	997	-	11	-	-	56	1,064
Total consumption expenditure	**20,085**	**1,610**	**810**	**335**	**3,872**	**56**	**26,768**
Non-consumption expenditure							
Donation to other HH	-	-	614	-	-	-	614
Donation to church	-	-	2,459	-	-	-	2,459
Other donation	-	-	195	-	-	-	195
Taxes and fines	-	-	85	-	-	-	85
Total non-consumption expenditure	**-**	**-**	**3,354**	**-**	**-**	**-**	**3,354**
Investment expenditure							
Land and house	383	-	-	-	-	-	383
Plant	13	-	-	-	-	-	13
Total investment expenditure	396	-	-	-	-	-	396
TOTAL EXPENDITURE	**20,482**	**1,610**	**4,164**	**335**	**3,872**	**56**	**30,519**

Table 33: Average annual urban HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	8,478	452	467	115	-	-	9,513
Alcoholic beverages, Tobacco	1,686	-	0	-	-	-	1,686
Clothing and footwear	450	-	0	-	-	-	451
Housing, water, electricity, gas	3,496	-	66	-	4,843	-	8,405
Furnishings, HH equipment	630	-	3	-	-	-	634
Health	109	-	0	-	-	-	110
Transport	4,106	-	43	-	-	-	4,149
Communication	1,410	-	2	-	-	-	1,412
Recreation and culture	269	-	1	-	-	-	270
Education	717	-	1	-	-	-	718
Restaurants and hotels	1,008	-	45	-	-	-	1,053
Miscellaneous goods and services	1,023	-	12	-	-	90	1,125
Total consumption expenditure	**23,383**	**452**	**642**	**115**	**4,843**	**90**	**29,526**
Non-consumption expenditure							
Donation to other HH	-	-	679	-	-	-	679
Donation to church	-	-	2,124	-	-	-	2,124
Other donation	-	-	255	-	-	-	255
Taxes and fines	-	-	29	-	-	-	29
Total non-consumption expenditure	**-**	**-**	**3,087**	**-**	**-**	**-**	**3,087**
Investment expenditure							
Land and house	636	-	-	-	-	-	636
Plant	15	-	-	-	-	-	15
Total investment expenditure	**651**	**-**	**-**	**-**	**-**	**-**	**651**
TOTAL EXPENDITURE	**24,034**	**452**	**3,729**	**115**	**4,843**	**90**	**33,264**

Table 34: Average annual rural HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	7,020	1,953	732	389	-	-	10,095
Alcoholic beverages, Tobacco	1,732	-	0	-	-	-	1,732
Clothing and footwear	399	-	5	-	-	-	404
Housing, water, electricity, gas	1,908	-	23	-	3,587	-	5,518
Furnishings, HH equipment	687	-	24	-	-	-	711
Health	60	-	0	-	-	-	61
Transport	4,018	-	30	-	-	-	4,048
Communication	1,188	-	1	-	-	-	1,189
Recreation and culture	211	-	4	-	-	-	215
Education	387	-	8	-	-	-	395
Restaurants and hotels	520	-	22	11	-	-	552
Miscellaneous goods and services	989	-	11	-	-	46	1,046
Total consumption expenditure	**19,120**	**1,953**	**860**	**400**	**3,587**	**46**	**25,967**
Non-consumption expenditure							
Donation to other HH	-	-	595	-	-	-	595
Donation to church	-	-	2,560	-	-	-	2,560
Other donation	-	-	177	-	-	-	177
Taxes and fines	-	-	102	-	-	-	102
Total non-consumption expenditure	**-**	**-**	**3,435**	**-**	**-**	**-**	**3,435**
Investment expenditure							
Land and house	309	-	-	-	-	-	309
Plant	12	-	-	-	-	-	12
Total investment expenditure	**322**	**-**	**-**	**-**	**-**	**-**	**322**
TOTAL EXPENDITURE	**19,442**	**1,953**	**4,295**	**400**	**3,587**	**46**	**29,723**

Table 35: Average annual Tongatapu HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	7,843	1,120	512	222	-	-	9,696
Alcoholic beverages, Tobacco	1,829	-	0	-	-	-	1,829
Clothing and footwear	463	-	5	-	-	-	469
Housing, water, electricity, gas	2,550	-	26	-	4,010	-	6,586
Furnishings, HH equipment	722	-	17	-	-	-	739
Health	93	-	0	-	-	-	93
Transport	4,486	-	25	-	-	-	4,511
Communication	1,382	-	2	-	-	-	1,383
Recreation and culture	237	-	4	-	-	-	241
Education	550	-	6	-	-	-	556
Restaurants and hotels	816	-	36	1	-	-	852
Miscellaneous goods and services	1,091	-	11	-	-	69	1,171
Total consumption expenditure	**22,061**	**1,120**	**644**	**222**	**4,010**	**69**	**28,128**
Non-consumption expenditure							
Donation to other HH	-	-	591	-	-	-	591
Donation to church	-	-	2,328	-	-	-	2,328
Other donation	-	-	139	-	-	-	139
Taxes and fines	-	-	118	-	-	-	118
Total non-consumption expenditure	**-**	**-**	**3,177**	**-**	**-**	**-**	**3,177**
Investment expenditure							
Land and house	392	-	-	-	-	-	392
Plant	7	-	-	-	-	-	7
Total investment expenditure	**399**	**-**	**-**	**-**	**-**	**-**	**399**
TOTAL EXPENDITURE	**22,460**	**1,120**	**3,821**	**222**	**4,010**	**69**	**31,703**

Table 36: Average annual Tongatapu (urban) HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	8,478	452	467	115	-	-	9,513
Alcoholic beverages, Tobacco	1,686	-	0	-	-	-	1,686
Clothing and footwear	450	-	0	-	-	-	451
Housing, water, electricity, gas	3,496	-	66	-	4,843	-	8,405
Furnishings, HH equipment	630	-	3	-	-	-	634
Health	109	-	0	-	-	-	110
Transport	4,106	-	43	-	-	-	4,149
Communication	1,410	-	2	-	-	-	1,412
Recreation and culture	269	-	1	-	-	-	270
Education	717	-	1	-	-	-	718
Restaurants and hotels	1,008	-	45	-	-	-	1,053
Miscellaneous goods and services	1,023	-	12	-	-	90	1,125
Total consumption expenditure	**23,383**	**452**	**642**	**115**	**4,843**	**90**	**29,526**
Non-consumption expenditure							
Donation to other HH	0	0	679.1733	0	0	0	679.1733
Donation to church	0	0	2124.224	0	0	0	2124.224
Other donation	0	0	254.9501	0	0	0	254.9501
Taxes and fines	0	0	28.81329	0	0	0	28.81329
Total non-consumption expenditure	**0**	**0**	**3087.161**	**0**	**0**	**0**	**3087.161**
Investment expenditure							
Land and house	635.5704	0	0	0	0	0	635.5704
Plant	14.95472	0	0	0	0	0	14.95472
Total investment expenditure	**650.5251**	**0**	**0**	**0**	**0**	**0**	**650.5251**
TOTAL EXPENDITURE	**24,034**	**452**	**3,729**	**115**	**4,843**	**90**	**33,264**

Table 37: Average annual Tongatapu (rural) HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	7,547	1,430	533	271	-	-	9,781
Alcoholic beverages, Tobacco	1,895	-	0	-	-	-	1,895
Clothing and footwear	469	-	8	-	-	-	477
Housing, water, electricity, gas	2,109	-	8	-	3,623	-	5,740
Furnishings, HH equipment	765	-	23	-	-	-	788
Health	85	-	0	-	-	-	86
Transport	4,664	-	16	-	-	-	4,680
Communication	1,369	-	1	-	-	-	1,370
Recreation and culture	222	-	5	-	-	-	227
Education	473	-	8	-	-	-	481
Restaurants and hotels	726	-	32	1	-	-	759
Miscellaneous goods and services	1,123	-	10	-	-	60	1,193
Total consumption expenditure	**21,446**	**1,430**	**645**	**272**	**3,623**	**60**	**27,477**
Non-consumption expenditure							
Donation to other HH	-	-	550	-	-	-	550
Donation to church	-	-	2,423	-	-	-	2,423
Other donation	-	-	86	-	-	-	86
Taxes and fines	-	-	160	-	-	-	160
Total non-consumption expenditure	**-**	**-**	**3,218**	**-**	**-**	**-**	**3,218**
Investment expenditure							
Land and house	278	-	-	-	-	-	278
Plant	3	-	-	-	-	-	3
Total investment expenditure	**281**	**-**	**-**	**-**	**-**	**-**	**281**
TOTAL EXPENDITURE	**21,728**	**1,430**	**3,863**	**272**	**3,623**	**60**	**30,976**

Table 38: Average annual Vava'u HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	6,236	2,723	1,634	745	-	-	11,338
Alcoholic beverages, Tobacco	1,458	-	0	-	-	-	1,458
Clothing and footwear	318	-	1	-	-	-	319
Housing, water, electricity, gas	1,688	-	90	-	3,740	-	5,518
Furnishings, HH equipment	576	-	33	-	-	-	609
Health	16	-	-	-	-	-	16
Transport	2,841	-	71	-	-	-	2,912
Communication	706	-	-	-	-	-	706
Recreation and culture	230	-	5	-	-	-	235
Education	310	-	1	-	-	-	311
Restaurants and hotels	224	-	6	29	-	-	259
Miscellaneous goods and services	790	-	11	-	-	21	822
Total consumption expenditure	**15,394**	**2,723**	**1,852**	**774**	**3,740**	**21**	**24,504**
Non-consumption expenditure							
Donation to other HH	-	-	728	-	-	-	728
Donation to church	-	-	2,168	-	-	-	2,168
Other donation	-	-	403	-	-	-	403
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**3,298**	**-**	**-**	**-**	**3,298**
Investment expenditure							
Land and house	649	-	-	-	-	-	649
Plant	8	-	-	-	-	-	8
Total investment expenditure	**657**	**-**	**-**	**-**	**-**	**-**	**657**
TOTAL EXPENDITURE	**16,051**	**2,723**	**5,151**	**774**	**3,740**	**21**	**28,459**

Table 39: Average annual 'Eua HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	5,685	3,332	569	623	-	-	10,208
Alcoholic beverages, Tobacco	844	-	-	-	-	-	844
Clothing and footwear	117	-	-	-	-	-	117
Housing, water, electricity, gas	1,514	-	1	-	3,899	-	5,414
Furnishings, HH equipment	448	-	2	-	-	-	450
Health	18	-	1	-	-	-	20
Transport	3,508	-	33	-	-	-	3,541
Communication	1,257	-	-	-	-	-	1,257
Recreation and culture	196	-	-	-	-	-	196
Education	170	-	-	-	-	-	170
Restaurants and hotels	87	-	3	65	-	-	154
Miscellaneous goods and services	699	-	9	-	-	23	731
Total consumption expenditure	**14,544**	**3,332**	**618**	**687**	**3,899**	**23**	**23,103**
Non-consumption expenditure							
Donation to other HH	-	-	601	-	-	-	601
Donation to church	-	-	2,077	-	-	-	2,077
Other donation	-	-	477	-	-	-	477
Taxes and fines	-	-	6	-	-	-	6
Total non-consumption expenditure	**-**	**-**	**3,162**	**-**	**-**	**-**	**3,162**
Investment expenditure							
Land and house	81	-	-	-	-	-	81
Plant	33	-	-	-	-	-	33
Total investment expenditure	**114**	**-**	**-**	**-**	**-**	**-**	**114**
TOTAL EXPENDITURE	**14,657**	**3,332**	**3,779**	**687**	**3,899**	**23**	**26,378**

Table 40: Average annual Ongo Niua HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	4,241	2,828	136	274	-	-	7,478
Alcoholic beverages, Tobacco	1,692	-	-	-	-	-	1,692
Clothing and footwear	235	-	-	-	-	-	235
Housing, water, electricity, gas	930	-	-	-	2,702	-	3,633
Furnishings, HH equipment	-	-	-	-	-	-	-
Health	574	-	3	-	-	-	577
Transport	2,838	-	10	-	-	-	2,848
Communication	734	-	-	-	-	-	734
Recreation and culture	55	-	-	-	-	-	55
Education	69	-	-	-	-	-	69
Restaurants and hotels	-	-	-	3	-	-	3
Miscellaneous goods and services	632	-	6	-	-	133	772
Total consumption expenditure	**12,001**	**2,828**	**154**	**277**	**2,702**	**133**	**18,096**
Non-consumption expenditure							
Donation to other HH	-	-	169	-	-	-	169
Donation to church	-	-	2,894	-	-	-	2,894
Other donation	-	-	244	-	-	-	244
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**3,307**	**-**	**-**	**-**	**3,307**
Investment expenditure							
Land and house	1	-	-	-	-	-	1
Plant	134	-	-	-	-	-	134
Total investment expenditure	**135**	**-**	**-**	**-**	**-**	**-**	**135**
TOTAL EXPENDITURE	**12,136**	**2,828**	**3,461**	**277**	**2,702**	**133**	**21,538**

Average annual per capita expenditure

Table 41: Average annual per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,328	291	121	59	-	-	1,800
Alcoholic beverages, Tobacco	311	-	0	-	-	-	311
Clothing and footwear	74	-	1	-	-	-	75
Housing, water, electricity, gas	410	-	6	-	700	-	1,116
Furnishings, HH equipment	122	-	3	-	-	-	125
Health	13	-	0	-	-	-	13
Transport	730	-	6	-	-	-	736
Communication	224	-	0	-	-	-	224
Recreation and culture	40	-	1	-	-	-	41
Education	83	-	1	-	-	-	85
Restaurants and hotels	114	-	5	1	-	-	120
Miscellaneous goods and services	180	-	2	-	-	10	192
Total consumption expenditure	**3,630**	**291**	**146**	**61**	**700**	**10**	**4,838**
Non-consumption expenditure							
Donation to other HH	-	-	111	-	-	-	111
Donation to church	-	-	445	-	-	-	445
Other donation	-	-	35	-	-	-	35
Taxes and fines	-	-	15	-	-	-	15
Total non-consumption expenditure	**-**	**-**	**606**	**-**	**-**	**-**	**606**
Investment expenditure							
Land and house	69	-	-	-	-	-	69
Plant	2	-	-	-	-	-	2
Total investment expenditure	**72**	**-**	**-**	**-**	**-**	**-**	**72**
TOTAL EXPENDITURE	**3,702**	**291**	**753**	**61**	**700**	**10**	**5,516**

Table 42: Average annual urban per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,526	81	84	21	-	-	1,712
Alcoholic beverages, Tobacco	303	-	0	-	-	-	303
Clothing and footwear	81	-	0	-	-	-	81
Housing, water, electricity, gas	629	-	12	-	871	-	1,512
Furnishings, HH equipment	113	-	1	-	-	-	114
Health	20	-	0	-	-	-	20
Transport	739	-	8	-	-	-	747
Communication	254	-	0	-	-	-	254
Recreation and culture	48	-	0	-	-	-	49
Education	129	-	0	-	-	-	129
Restaurants and hotels	181	-	8	-	-	-	189
Miscellaneous goods and services	184	-	2	-	-	16	202
Total consumption expenditure	**4,207**	**81**	**116**	**21**	**871**	**16**	**5,313**
Non-consumption expenditure							
Donation to other HH	-	-	122	-	-	-	122
Donation to church	-	-	382	-	-	-	382
Other donation	-	-	46	-	-	-	46
Taxes and fines	-	-	5	-	-	-	5
Total non-consumption expenditure	**-**	**-**	**555**	**-**	**-**	**-**	**555**
Investment expenditure							
Land and house	114	-	-	-	-	-	114
Plant	3	-	-	-	-	-	3
Total investment expenditure	**117**	**-**	**-**	**-**	**-**	**-**	**117**
TOTAL EXPENDITURE	**4,324**	**81**	**671**	**21**	**871**	**16**	**5,985**

Table 43: Average annual rural per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,270	353	132	70	-	-	1,826
Alcoholic beverages, Tobacco	313	-	0	-	-	-	313
Clothing and footwear	72	-	1	-	-	-	73
Housing, water, electricity, gas	345	-	4	-	649	-	998
Furnishings, HH equipment	124	-	4	-	-	-	129
Health	11	-	0	-	-	-	11
Transport	727	-	5	-	-	-	732
Communication	215	-	0	-	-	-	215
Recreation and culture	38	-	1	-	-	-	39
Education	70	-	1	-	-	-	71
Restaurants and hotels	94	-	4	2	-	-	100
Miscellaneous goods and services	179	-	2	-	-	8	189
Total consumption expenditure	**3,459**	**353**	**156**	**72**	**649**	**8**	**4,697**
Non-consumption expenditure							
Donation to other HH	-	-	108	-	-	-	108
Donation to church	-	-	463	-	-	-	463
Other donation	-	-	32	-	-	-	32
Taxes and fines	-	-	18	-	-	-	18
Total non-consumption expenditure	**-**	**-**	**621**	**-**	**-**	**-**	**621**
Investment expenditure							
Land and house	56	-	-	-	-	-	56
Plant	2	-	-	-	-	-	2
Total investment expenditure	**58**	**-**	**-**	**-**	**-**	**-**	**58**
TOTAL EXPENDITURE	**3,517**	**353**	**777**	**72**	**649**	**8**	**5,377**

Table 44: Average annual Tongatapu per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,377	197	90	39	-	-	1,702
Alcoholic beverages, Tobacco	321	-	0	-	-	-	321
Clothing and footwear	81	-	1	-	-	-	82
Housing, water, electricity, gas	448	-	5	-	704	-	1,156
Furnishings, HH equipment	127	-	3	-	-	-	130
Health	16	-	0	-	-	-	16
Transport	788	-	4	-	-	-	792
Communication	243	-	0	-	-	-	243
Recreation and culture	42	-	1	-	-	-	42
Education	97	-	1	-	-	-	98
Restaurants and hotels	143	-	6	0	-	-	150
Miscellaneous goods and services	192	-	2	-	-	12	206
Total consumption expenditure	**3,873**	**197**	**113**	**39**	**704**	**12**	**4,938**
Non-consumption expenditure							
Donation to other HH	-	-	104	-	-	-	104
Donation to church	-	-	409	-	-	-	409
Other donation	-	-	24	-	-	-	24
Taxes and fines	-	-	21	-	-	-	21
Total non-consumption expenditure	**-**	**-**	**558**	**-**	**-**	**-**	**558**
Investment expenditure							
Land and house	69	-	-	-	-	-	69
Plant	1	-	-	-	-	-	1
Total investment expenditure	**70**	**-**	**-**	**-**	**-**	**-**	**70**
TOTAL EXPENDITURE	**3,943**	**197**	**671**	**39**	**704**	**12**	**5,565**

Table 45: Average annual Tongatapu (urban) per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,526	81	84	21	-	-	1,712
Alcoholic beverages, Tobacco	303	-	0	-	-	-	303
Clothing and footwear	81	-	0	-	-	-	81
Housing, water, electricity, gas	629	-	12	-	871	-	1,512
Furnishings, HH equipment	113	-	1	-	-	-	114
Health	20	-	0	-	-	-	20
Transport	739	-	8	-	-	-	747
Communication	254	-	0	-	-	-	254
Recreation and culture	48	-	0	-	-	-	49
Education	129	-	0	-	-	-	129
Restaurants and hotels	181	-	8	-	-	-	189
Miscellaneous goods and services	184	-	2	-	-	16	202
Total consumption expenditure	**4,207**	**81**	**116**	**21**	**871**	**16**	**5,313**
Non-consumption expenditure							
Donation to other HH	-	-	122	-	-	-	122
Donation to church	-	-	382	-	-	-	382
Other donation	-	-	46	-	-	-	46
Taxes and fines	-	-	5	-	-	-	5
Total non-consumption expenditure	**-**	**-**	**555**	**-**	**-**	**-**	**555**
Investment expenditure							
Land and house	114	-	-	-	-	-	114
Plant	3	-	-	-	-	-	3
Total investment expenditure	**117**	**-**	**-**	**-**	**-**	**-**	**117**
TOTAL EXPENDITURE	**4,324**	**81**	**671**	**21**	**871**	**16**	**5,985**

Table 46: Average annual Tongatapu (rural) per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,310	248	92	47	-	-	1,698
Alcoholic beverages, Tobacco	329	-	0	-	-	-	329
Clothing and footwear	81	-	1	-	-	-	83
Housing, water, electricity, gas	366	-	1	-	629	-	996
Furnishings, HH equipment	133	-	4	-	-	-	137
Health	15	-	0	-	-	-	15
Transport	810	-	3	-	-	-	812
Communication	238	-	0	-	-	-	238
Recreation and culture	39	-	1	-	-	-	39
Education	82	-	1	-	-	-	83
Restaurants and hotels	126	-	5	0	-	-	132
Miscellaneous goods and services	195	-	2	-	-	10	207
Total consumption expenditure	**3,723**	**248**	**112**	**47**	**629**	**10**	**4,769**
Non-consumption expenditure							
Donation to other HH	-	-	95	-	-	-	95
Donation to church	-	-	421	-	-	-	421
Other donation	-	-	15	-	-	-	15
Taxes and fines	-	-	28	-	-	-	28
Total non-consumption expenditure	**-**	**-**	**559**	**-**	**-**	**-**	**559**
Investment expenditure							
Land and house	48	-	-	-	-	-	48
Plant	1	-	-	-	-	-	1
Total investment expenditure	**49**	**-**	**-**	**-**	**-**	**-**	**49**
TOTAL EXPENDITURE	**3,771**	**248**	**671**	**47**	**629**	**10**	**5,377**

Table 47: Average annual Vava'u per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,238	540	324	148	-	-	2,251
Alcoholic beverages, Tobacco	289	-	0	-	-	-	289
Clothing and footwear	63	-	0	-	-	-	63
Housing, water, electricity, gas	335	-	18	-	742	-	1,095
Furnishings, HH equipment	114	-	7	-	-	-	121
Health	3	-	-	-	-	-	3
Transport	564	-	14	-	-	-	578
Communication	140	-	-	-	-	-	140
Recreation and culture	46	-	1	-	-	-	47
Education	62	-	0	-	-	-	62
Restaurants and hotels	45	-	1	6	-	-	51
Miscellaneous goods and services	157	-	2	-	-	4	163
Total consumption expenditure	**3,056**	**540**	**368**	**154**	**742**	**4**	**4,864**
Non-consumption expenditure							
Donation to other HH	-	-	144	-	-	-	144
Donation to church	-	-	430	-	-	-	430
Other donation	-	-	80	-	-	-	80
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**655**	**-**	**-**	**-**	**655**
Investment expenditure							
Land and house	129	-	-	-	-	-	129
Plant	2	-	-	-	-	-	2
Total investment expenditure	**130**	**-**	**-**	**-**	**-**	**-**	**130**
TOTAL EXPENDITURE	**3,186**	**540**	**1,022**	**154**	**742**	**4**	**5,649**

Table 48: Average annual Ha'apai per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,264	549	78	59	-	-	1,951
Alcoholic beverages, Tobacco	351	-	-	-	-	-	351
Clothing and footwear	60	-	1	-	-	-	60
Housing, water, electricity, gas	279	-	0	-	568	-	847
Furnishings, HH equipment	110	-	5	-	-	-	115
Health	4	-	-	-	-	-	4
Transport	498	-	7	-	-	-	505
Communication	193	-	1	-	-	-	194
Recreation and culture	25	-	0	-	-	-	25
Education	31	-	6	-	-	-	37
Restaurants and hotels	21	-	0	0	-	-	22
Miscellaneous goods and services	145	-	3	-	-	0	148
Total consumption expenditure	**2,982**	**549**	**102**	**59**	**568**	**0**	**4,261**
Non-consumption expenditure							
Donation to other HH	-	-	141	-	-	-	141
Donation to church	-	-	919	-	-	-	919
Other donation	-	-	20	-	-	-	20
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**1,080**	**-**	**-**	**-**	**1,080**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	9	-	-	-	-	-	9
Total investment expenditure	**9**	**-**	**-**	**-**	**-**	**-**	**9**
TOTAL EXPENDITURE	**2,991**	**549**	**1,182**	**59**	**568**	**0**	**5,350**

Table 49: Average annual 'Eua per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,029	603	103	113	-	-	1,847
Alcoholic beverages, Tobacco	153	-	-	-	-	-	153
Clothing and footwear	21	-	-	-	-	-	21
Housing, water, electricity, gas	274	-	0	-	706	-	980
Furnishings, HH equipment	81	-	0	-	-	-	81
Health	3	-	0	-	-	-	4
Transport	635	-	6	-	-	-	641
Communication	228	-	-	-	-	-	228
Recreation and culture	35	-	-	-	-	-	35
Education	31	-	-	-	-	-	31
Restaurants and hotels	16	-	0	12	-	-	28
Miscellaneous goods and services	126	-	2	-	-	4	132
Total consumption expenditure	**2,632**	**603**	**112**	**124**	**706**	**4**	**4,180**
Non-consumption expenditure							
Donation to other HH	-	-	109	-	-	-	109
Donation to church	-	-	376	-	-	-	376
Other donation	-	-	86	-	-	-	86
Taxes and fines	-	-	1	-	-	-	1
Total non-consumption expenditure	**-**	**-**	**572**	**-**	**-**	**-**	**572**
Investment expenditure							
Land and house	15	-	-	-	-	-	15
Plant	6	-	-	-	-	-	6
Total investment expenditure	**21**	**-**	**-**	**-**	**-**	**-**	**21**
TOTAL EXPENDITURE	**2,652**	**603**	**684**	**124**	**706**	**4**	**4,773**

Table 50: Average annual Ongo Niua per capita expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	955	637	31	62	-	-	1,684
Alcoholic beverages, Tobacco	381	-	-	-	-	-	381
Clothing and footwear	53	-	-	-	-	-	53
Housing, water, electricity, gas	209	-	-	-	608	-	818
Furnishings, HH equipment	-	-	-	-	-	-	-
Health	129	-	1	-	-	-	130
Transport	639	-	2	-	-	-	641
Communication	165	-	-	-	-	-	165
Recreation and culture	12	-	-	-	-	-	12
Education	16	-	-	-	-	-	16
Restaurants and hotels	-	-	-	1	-	-	1
Miscellaneous goods and services	142	-	1	-	-	30	174
Total consumption expenditure	**2,702**	**637**	**35**	**62**	**608**	**30**	**4,074**
Non-consumption expenditure							
Donation to other HH	-	-	38	-	-	-	38
Donation to church	-	-	652	-	-	-	652
Other donation	-	-	55	-	-	-	55
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**745**	**-**	**-**	**-**	**745**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	30	-	-	-	-	-	30
Total investment expenditure	**30**	**-**	**-**	**-**	**-**	**-**	**30**
TOTAL EXPENDITURE	**2,732**	**637**	**779**	**62**	**608**	**30**	**4,849**

Monthly household expenditure

Table 51: Monthly HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	11,034	2,417	1,008	490	-	-	14,949
Alcoholic beverages, Tobacco	2,584	-	0	-	-	-	2,584
Clothing and footwear	616	-	6	-	-	-	623
Housing, water, electricity, gas	3,407	-	49	-	5,812	-	9,269
Furnishings, HH equipment	1,012	-	29	-	-	-	1,040
Health	107	-	0	-	-	-	108
Transport	6,060	-	49	-	-	-	6,109
Communication	1,858	-	2	-	-	-	1,860
Recreation and culture	336	-	6	-	-	-	342
Education	694	-	10	-	-	-	703
Restaurants and hotels	947	-	40	12	-	-	1,000
Miscellaneous goods and services	1,496	-	16	-	-	84	1,597
Total consumption expenditure	**30,151**	**2,417**	**1,216**	**503**	**5,812**	**84**	**40,184**
Non-consumption expenditure							
Donation to other HH	-	-	922	-	-	-	922
Donation to church	-	-	3,692	-	-	-	3,692
Other donation	-	-	293	-	-	-	293
Taxes and fines	-	-	128	-	-	-	128
Total non-consumption expenditure	**-**	**-**	**5,035**	**-**	**-**	**-**	**5,035**
Investment expenditure							
Land and house	576	-	-	-	-	-	576
Plant	19	-	-	-	-	-	19
Total investment expenditure	**595**	**-**	**-**	**-**	**-**	**-**	**595**
TOTAL EXPENDITURE	**30,746**	**2,417**	**6,251**	**503**	**5,812**	**84**	**45,814**

Table 52: Total monthly urban HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	2,902	155	160	39	-	-	3,257
Alcoholic beverages, Tobacco	577	-	0	-	-	-	577
Clothing and footwear	154	-	0	-	-	-	154
Housing, water, electricity, gas	1,197	-	23	-	1,658	-	2,877
Furnishings, HH equipment	216	-	1	-	-	-	217
Health	37	-	0	-	-	-	38
Transport	1,405	-	15	-	-	-	1,420
Communication	483	-	1	-	-	-	483
Recreation and culture	92	-	0	-	-	-	92
Education	245	-	0	-	-	-	246
Restaurants and hotels	345	-	15	-	-	-	360
Miscellaneous goods and services	350	-	4	-	-	31	385
Total consumption expenditure	**8,005**	**155**	**220**	**39**	**1,658**	**31**	**10,108**
Non-consumption expenditure							
Donation to other HH	-	-	233	-	-	-	233
Donation to church	-	-	727	-	-	-	727
Other donation	-	-	87	-	-	-	87
Taxes and fines	-	-	10	-	-	-	10
Total non-consumption expenditure	**-**	**-**	**1,057**	**-**	**-**	**-**	**1,057**
Investment expenditure							
Land and house	218	-	-	-	-	-	218
Plant	5	-	-	-	-	-	5
Total investment expenditure	**223**	**-**	**-**	**-**	**-**	**-**	**223**
TOTAL EXPENDITURE	**8,228**	**155**	**1,277**	**39**	**1,658**	**31**	**11,387**

Table 53: Total monthly rural HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	8,131	2,262	848	451	-	-	11,692
Alcoholic beverages, Tobacco	2,006	-	0	-	-	-	2,006
Clothing and footwear	462	-	6	-	-	-	468
Housing, water, electricity, gas	2,211	-	26	-	4,155	-	6,391
Furnishings, HH equipment	796	-	28	-	-	-	824
Health	70	-	0	-	-	-	70
Transport	4,654	-	34	-	-	-	4,689
Communication	1,376	-	1	-	-	-	1,377
Recreation and culture	244	-	5	-	-	-	249
Education	448	-	9	-	-	-	457
Restaurants and hotels	602	-	25	12	-	-	640
Miscellaneous goods and services	1,146	-	12	-	-	54	1,212
Total consumption expenditure	**22,146**	**2,262**	**996**	**463**	**4,155**	**54**	**30,076**
Non-consumption expenditure							
Donation to other HH	-	-	690	-	-	-	690
Donation to church	-	-	2,965	-	-	-	2,965
Other donation	-	-	206	-	-	-	206
Taxes and fines	-	-	118	-	-	-	118
Total non-consumption expenditure	**-**	**-**	**3,978**	**-**	**-**	**-**	**3,978**
Investment expenditure							
Land and house	358	-	-	-	-	-	358
Plant	14	-	-	-	-	-	14
Total investment expenditure	**372**	**-**	**-**	**-**	**-**	**-**	**372**
TOTAL EXPENDITURE	**22,519**	**2,262**	**4,975**	**463**	**4,155**	**54**	**34,427**

Table 54: Total monthly Tongatapu HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	8,454	1,207	552	239	-	-	10,452
Alcoholic beverages, Tobacco	1,972	-	0	-	-	-	1,972
Clothing and footwear	499	-	6	-	-	-	505
Housing, water, electricity, gas	2,748	-	28	-	4,323	-	7,100
Furnishings, HH equipment	778	-	18	-	-	-	797
Health	100	-	0	-	-	-	101
Transport	4,836	-	27	-	-	-	4,863
Communication	1,489	-	2	-	-	-	1,491
Recreation and culture	255	-	4	-	-	-	260
Education	593	-	6	-	-	-	600
Restaurants and hotels	879	-	39	1	-	-	919
Miscellaneous goods and services	1,176	-	12	-	-	75	1,263
Total consumption expenditure	**23,782**	**1,207**	**694**	**240**	**4,323**	**75**	**30,321**
Non-consumption expenditure							
Donation to other HH	-	-	637	-	-	-	637
Donation to church	-	-	2,510	-	-	-	2,510
Other donation	-	-	150	-	-	-	150
Taxes and fines	-	-	128	-	-	-	128
Total non-consumption expenditure	**-**	**-**	**3,424**	**-**	**-**	**-**	**3,424**
Investment expenditure							
Land and house	422	-	-	-	-	-	422
Plant	8	-	-	-	-	-	8
Total investment expenditure	**430**	**-**	**-**	**-**	**-**	**-**	**430**
TOTAL EXPENDITURE	**24,212**	**1,207**	**4,119**	**240**	**4,323**	**75**	**34,175**

Table 55: Total monthly Tongatapu (urban) HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	2,902	155	160	39	-	-	3,257
Alcoholic beverages, Tobacco	577	-	0	-	-	-	577
Clothing and footwear	154	-	0	-	-	-	154
Housing, water, electricity, gas	1,197	-	23	-	1,658	-	2,877
Furnishings, HH equipment	216	-	1	-	-	-	217
Health	37	-	0	-	-	-	38
Transport	1,405	-	15	-	-	-	1,420
Communication	483	-	1	-	-	-	483
Recreation and culture	92	-	0	-	-	-	92
Education	245	-	0	-	-	-	246
Restaurants and hotels	345	-	15	-	-	-	360
Miscellaneous goods and services	350	-	4	-	-	31	385
Total consumption expenditure	**8,005**	**155**	**220**	**39**	**1,658**	**31**	**10,108**
Non-consumption expenditure							
Donation to other HH	-	-	233	-	-	-	233
Donation to church	-	-	727	-	-	-	727
Other donation	-	-	87	-	-	-	87
Taxes and fines	-	-	10	-	-	-	10
Total non-consumption expenditure	**-**	**-**	**1,057**	**-**	**-**	**-**	**1,057**
Investment expenditure							
Land and house	218	-	-	-	-	-	218
Plant	5	-	-	-	-	-	5
Total investment expenditure	**223**	**-**	**-**	**-**	**-**	**-**	**223**
TOTAL EXPENDITURE	**8,228**	**155**	**1,277**	**39**	**1,658**	**31**	**11,387**

Table 56: Total monthly Tongatapu (rural) HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	5,552	1,052	392	199	-	-	7,195
Alcoholic beverages, Tobacco	1,394	-	0	-	-	-	1,394
Clothing and footwear	345	-	6	-	-	-	351
Housing, water, electricity, gas	1,552	-	6	-	2,665	-	4,223
Furnishings, HH equipment	563	-	17	-	-	-	580
Health	63	-	0	-	-	-	63
Transport	3,431	-	12	-	-	-	3,443
Communication	1,007	-	1	-	-	-	1,008
Recreation and culture	163	-	4	-	-	-	167
Education	348	-	6	-	-	-	354
Restaurants and hotels	534	-	23	1	-	-	558
Miscellaneous goods and services	826	-	8	-	-	44	878
Total consumption expenditure	**15,777**	**1,052**	**474**	**200**	**2,665**	**44**	**20,214**
Non-consumption expenditure							
Donation to other HH	-	-	404	-	-	-	404
Donation to church	-	-	1,782	-	-	-	1,782
Other donation	-	-	63	-	-	-	63
Taxes and fines	-	-	118	-	-	-	118
Total non-consumption expenditure	**-**	**-**	**2,368**	**-**	**-**	**-**	**2,368**
Investment expenditure							
Land and house	204	-	-	-	-	-	204
Plant	2	-	-	-	-	-	2
Total investment expenditure	**207**	**-**	**-**	**-**	**-**	**-**	**207**
TOTAL EXPENDITURE	**15,984**	**1,052**	**2,842**	**200**	**2,665**	**44**	**22,788**

Table 57: Total monthly Vava'u HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	1,417	619	371	169	-	-	2,577
Alcoholic beverages, Tobacco	331	-	0	-	-	-	331
Clothing and footwear	72	-	0	-	-	-	72
Housing, water, electricity, gas	384	-	20	-	850	-	1,254
Furnishings, HH equipment	131	-	8	-	-	-	138
Health	4	-	-	-	-	-	4
Transport	646	-	16	-	-	-	662
Communication	161	-	-	-	-	-	161
Recreation and culture	52	-	1	-	-	-	53
Education	70	-	0	-	-	-	71
Restaurants and hotels	51	-	1	6	-	-	59
Miscellaneous goods and services	180	-	3	-	-	5	187
Total consumption expenditure	**3,498**	**619**	**421**	**176**	**850**	**5**	**5,568**
Non-consumption expenditure							
Donation to other HH	-	-	165	-	-	-	165
Donation to church	-	-	493	-	-	-	493
Other donation	-	-	92	-	-	-	92
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**750**	**-**	**-**	**-**	**750**
Investment expenditure							
Land and house	147	-	-	-	-	-	147
Plant	2	-	-	-	-	-	2
Total investment expenditure	**149**	**-**	**-**	**-**	**-**	**-**	**149**
TOTAL EXPENDITURE	**3,648**	**619**	**1,171**	**176**	**850**	**5**	**6,467**

Table 58: Total monthly Ha'apai HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	648	282	40	30	-	-	1,000
Alcoholic beverages, Tobacco	180	-	-	-	-	-	180
Clothing and footwear	31	-	0	-	-	-	31
Housing, water, electricity, gas	143	-	0	-	291	-	434
Furnishings, HH equipment	56	-	3	-	-	-	59
Health	2	-	-	-	-	-	2
Transport	255	-	4	-	-	-	259
Communication	99	-	0	-	-	-	100
Recreation and culture	13	-	0	-	-	-	13
Education	16	-	3	-	-	-	19
Restaurants and hotels	11	-	0	0	-	-	11
Miscellaneous goods and services	75	-	1	-	-	0	76
Total consumption expenditure	**1,529**	**282**	**52**	**30**	**291**	**0**	**2,184**
Non-consumption expenditure							
Donation to other HH	-	-	72	-	-	-	72
Donation to church	-	-	471	-	-	-	471
Other donation	-	-	11	-	-	-	11
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**554**	**-**	**-**	**-**	**554**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	5	-	-	-	-	-	5
Total investment expenditure	**5**	**-**	**-**	**-**	**-**	**-**	**5**
TOTAL EXPENDITURE	**1,534**	**282**	**606**	**30**	**291**	**0**	**2,743**

Table 59: Total monthly 'Eua HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	417	245	42	46	-	-	749
Alcoholic beverages, Tobacco	62	-	-	-	-	-	62
Clothing and footwear	9	-	-	-	-	-	9
Housing, water, electricity, gas	111	-	0	-	286	-	397
Furnishings, HH equipment	33	-	0	-	-	-	33
Health	1	-	0	-	-	-	1
Transport	258	-	2	-	-	-	260
Communication	92	-	-	-	-	-	92
Recreation and culture	14	-	-	-	-	-	14
Education	12	-	-	-	-	-	12
Restaurants and hotels	6	-	0	5	-	-	11
Miscellaneous goods and services	51	-	1	-	-	2	54
Total consumption expenditure	**1,068**	**245**	**45**	**50**	**286**	**2**	**1,696**
Non-consumption expenditure							
Donation to other HH	-	-	44	-	-	-	44
Donation to church	-	-	153	-	-	-	153
Other donation	-	-	35	-	-	-	35
Taxes and fines	-	-	0	-	-	-	0
Total non-consumption expenditure	**-**	**-**	**232**	**-**	**-**	**-**	**232**
Investment expenditure							
Land and house	6	-	-	-	-	-	6
Plant	2	-	-	-	-	-	2
Total investment expenditure	**8**	**-**	**-**	**-**	**-**	**-**	**8**
TOTAL EXPENDITURE	**1,076**	**245**	**277**	**50**	**286**	**2**	**1,937**

Table 60: Total monthly Ongo Niua HH expenditure (TOP '000)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	97	65	3	6	-	-	171
Alcoholic beverages, Tobacco	39	-	-	-	-	-	39
Clothing and footwear	5	-	-	-	-	-	5
Housing, water, electricity, gas	21	-	-	-	62	-	83
Furnishings, HH equipment	-	-	-	-	-	-	-
Health	13	-	0	-	-	-	13
Transport	65	-	0	-	-	-	65
Communication	17	-	-	-	-	-	17
Recreation and culture	1	-	-	-	-	-	1
Education	2	-	-	-	-	-	2
Restaurants and hotels	-	-	-	0	-	-	0
Miscellaneous goods and services	14	-	0	-	-	3	18
Total consumption expenditure	**274**	**65**	**4**	**6**	**62**	**3**	**413**
Non-consumption expenditure							
Donation to other HH	-	-	4	-	-	-	4
Donation to church	-	-	66	-	-	-	66
Other donation	-	-	6	-	-	-	6
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**76**	**-**	**-**	**-**	**76**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	3	-	-	-	-	-	3
Total investment expenditure	**3**	**-**	**-**	**-**	**-**	**-**	**3**
TOTAL EXPENDITURE	**277**	**65**	**79**	**6**	**62**	**3**	**492**

Monthly average household expenditure

Table 61: Monthly average HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	613	134	56	27	-	-	830
Alcoholic beverages, Tobacco	143	-	0	-	-	-	143
Clothing and footwear	34	-	0	-	-	-	35
Housing, water, electricity, gas	189	-	3	-	323	-	515
Furnishings, HH equipment	56	-	2	-	-	-	58
Health	6	-	0	-	-	-	6
Transport	337	-	3	-	-	-	339
Communication	103	-	0	-	-	-	103
Recreation and culture	19	-	0	-	-	-	19
Education	39	-	1	-	-	-	39
Restaurants and hotels	53	-	2	1	-	-	56
Miscellaneous goods and services	83	-	1	-	-	5	89
Total consumption expenditure	**1,674**	**134**	**68**	**28**	**323**	**5**	**2,232**
Non-consumption expenditure							
Donation to other HH	-	-	51	-	-	-	51
Donation to church	-	-	205	-	-	-	205
Other donation	-	-	16	-	-	-	16
Taxes and fines	-	-	7	-	-	-	7
Total non-consumption expenditure	**-**	**-**	**280**	**-**	**-**	**-**	**280**
Investment expenditure							
Land and house	32	-	-	-	-	-	32
Plant	1	-	-	-	-	-	1
Total investment expenditure	**33**	**-**	**-**	**-**	**-**	**-**	**33**
TOTAL EXPENDITURE	**1,707**	**134**	**347**	**28**	**323**	**5**	**2,544**

Table 62: Average monthly urban HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	707	38	39	10	-	-	793
Alcoholic beverages, Tobacco	141	-	0	-	-	-	141
Clothing and footwear	38	-	0	-	-	-	38
Housing, water, electricity, gas	291	-	6	-	404	-	700
Furnishings, HH equipment	53	-	0	-	-	-	53
Health	9	-	0	-	-	-	9
Transport	342	-	4	-	-	-	346
Communication	117	-	0	-	-	-	118
Recreation and culture	22	-	0	-	-	-	23
Education	60	-	0	-	-	-	60
Restaurants and hotels	84	-	4	-	-	-	88
Miscellaneous goods and services	85	-	1	-	-	8	94
Total consumption expenditure	**1,949**	**38**	**54**	**10**	**404**	**8**	**2,460**
Non-consumption expenditure							
Donation to other HH	-	-	57	-	-	-	57
Donation to church	-	-	177	-	-	-	177
Other donation	-	-	21	-	-	-	21
Taxes and fines	-	-	2	-	-	-	2
Total non-consumption expenditure	**-**	**-**	**257**	**-**	**-**	**-**	**257**
Investment expenditure							
Land and house	53	-	-	-	-	-	53
Plant	1	-	-	-	-	-	1
Total investment expenditure	**54**	**-**	**-**	**-**	**-**	**-**	**54**
TOTAL EXPENDITURE	**2,003**	**38**	**311**	**10**	**404**	**8**	**2,772**

Table 63: Average monthly rural HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	585	163	61	32	-	-	841
Alcoholic beverages, Tobacco	144	-	0	-	-	-	144
Clothing and footwear	33	-	0	-	-	-	34
Housing, water, electricity, gas	159	-	2	-	299	-	460
Furnishings, HH equipment	57	-	2	-	-	-	59
Health	5	-	0	-	-	-	5
Transport	335	-	2	-	-	-	337
Communication	99	-	0	-	-	-	99
Recreation and culture	18	-	0	-	-	-	18
Education	32	-	1	-	-	-	33
Restaurants and hotels	43	-	2	1	-	-	46
Miscellaneous goods and services	82	-	1	-	-	4	87
Total consumption expenditure	**1,593**	**163**	**72**	**33**	**299**	**4**	**2,164**
Non-consumption expenditure							
Donation to other HH	-	-	50	-	-	-	50
Donation to church	-	-	213	-	-	-	213
Other donation	-	-	15	-	-	-	15
Taxes and fines	-	-	9	-	-	-	9
Total non-consumption expenditure	**-**	**-**	**286**	**-**	**-**	**-**	**286**
Investment expenditure							
Land and house	26	-	-	-	-	-	26
Plant	1	-	-	-	-	-	1
Total investment expenditure	**27**	**-**	**-**	**-**	**-**	**-**	**27**
TOTAL EXPENDITURE	**1,620**	**163**	**358**	**33**	**299**	**4**	**2,477**

Table 64: Average monthly Tongatapu HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	654	93	43	18	-	-	808
Alcoholic beverages, Tobacco	152	-	0	-	-	-	152
Clothing and footwear	39	-	0	-	-	-	39
Housing, water, electricity, gas	212	-	2	-	334	-	549
Furnishings, HH equipment	60	-	1	-	-	-	62
Health	8	-	0	-	-	-	8
Transport	374	-	2	-	-	-	376
Communication	115	-	0	-	-	-	115
Recreation and culture	20	-	0	-	-	-	20
Education	46	-	0	-	-	-	46
Restaurants and hotels	68	-	3	0	-	-	71
Miscellaneous goods and services	91	-	1	-	-	6	98
Total consumption expenditure	**1,838**	**93**	**54**	**19**	**334**	**6**	**2,344**
Non-consumption expenditure							
Donation to other HH	-	-	49	-	-	-	49
Donation to church	-	-	194	-	-	-	194
Other donation	-	-	12	-	-	-	12
Taxes and fines	-	-	10	-	-	-	10
Total non-consumption expenditure	**-**	**-**	**265**	**-**	**-**	**-**	**265**
Investment expenditure							
Land and house	33	-	-	-	-	-	33
Plant	1	-	-	-	-	-	1
Total investment expenditure	**33**	**-**	**-**	**-**	**-**	**-**	**33**
TOTAL EXPENDITURE	**1,872**	**93**	**318**	**19**	**334**	**6**	**2,642**

Table 65: Average monthly Tongatapu (urban) HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	707	38	39	10	-	-	793
Alcoholic beverages, Tobacco	141	-	0	-	-	-	141
Clothing and footwear	38	-	0	-	-	-	38
Housing, water, electricity, gas	291	-	6	-	404	-	700
Furnishings, HH equipment	53	-	0	-	-	-	53
Health	9	-	0	-	-	-	9
Transport	342	-	4	-	-	-	346
Communication	117	-	0	-	-	-	118
Recreation and culture	22	-	0	-	-	-	23
Education	60	-	0	-	-	-	60
Restaurants and hotels	84	-	4	-	-	-	88
Miscellaneous goods and services	85	-	1	-	-	8	94
Total consumption expenditure	**1,949**	**38**	**54**	**10**	**404**	**8**	**2,460**
Non-consumption expenditure							
Donation to other HH	-	-	57	-	-	-	57
Donation to church	-	-	177	-	-	-	177
Other donation	-	-	21	-	-	-	21
Taxes and fines	-	-	2	-	-	-	2
Total non-consumption expenditure	**-**	**-**	**257**	**-**	**-**	**-**	**257**
Investment expenditure							
Land and house	53	-	-	-	-	-	53
Plant	1	-	-	-	-	-	1
Total investment expenditure	**54**	**-**	**-**	**-**	**-**	**-**	**54**
TOTAL EXPENDITURE	**2,003**	**38**	**311**	**10**	**404**	**8**	**2,772**

Table 66: Average monthly Tongatapu (rural) HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	629	119	44	23	-	-	816
Alcoholic beverages, Tobacco	158	-	0	-	-	-	158
Clothing and footwear	39	-	1	-	-	-	40
Housing, water, electricity, gas	176	-	1	-	302	-	479
Furnishings, HH equipment	64	-	2	-	-	-	66
Health	7	-	0	-	-	-	7
Transport	389	-	1	-	-	-	390
Communication	114	-	0	-	-	-	114
Recreation and culture	19	-	0	-	-	-	19
Education	39	-	1	-	-	-	40
Restaurants and hotels	61	-	3	0	-	-	63
Miscellaneous goods and services	94	-	1	-	-	5	100
Total consumption expenditure	**1,789**	**119**	**54**	**23**	**302**	**5**	**2,292**
Non-consumption expenditure							
Donation to other HH	-	-	46	-	-	-	46
Donation to church	-	-	202	-	-	-	202
Other donation	-	-	7	-	-	-	7
Taxes and fines	-	-	13	-	-	-	13
Total non-consumption expenditure	**-**	**-**	**268**	**-**	**-**	**-**	**268**
Investment expenditure							
Land and house	23	-	-	-	-	-	23
Plant	0	-	-	-	-	-	0
Total investment expenditure	**23**	**-**	**-**	**-**	**-**	**-**	**23**
TOTAL EXPENDITURE	**1,812**	**119**	**322**	**23**	**302**	**5**	**2,584**

Table 67: Average monthly Vava'u HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	520	227	136	62	-	-	945
Alcoholic beverages, Tobacco	121	-	0	-	-	-	121
Clothing and footwear	26	-	0	-	-	-	27
Housing, water, electricity, gas	141	-	7	-	312	-	460
Furnishings, HH equipment	48	-	3	-	-	-	51
Health	1	-	-	-	-	-	1
Transport	237	-	6	-	-	-	243
Communication	59	-	-	-	-	-	59
Recreation and culture	19	-	0	-	-	-	20
Education	26	-	0	-	-	-	26
Restaurants and hotels	19	-	1	2	-	-	22
Miscellaneous goods and services	66	-	1	-	-	2	68
Total consumption expenditure	**1,283**	**227**	**154**	**64**	**312**	**2**	**2,042**
Non-consumption expenditure							
Donation to other HH	-	-	61	-	-	-	61
Donation to church	-	-	181	-	-	-	181
Other donation	-	-	34	-	-	-	34
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**275**	**-**	**-**	**-**	**275**
Investment expenditure							
Land and house	54	-	-	-	-	-	54
Plant	1	-	-	-	-	-	1
Total investment expenditure	**55**	**-**	**-**	**-**	**-**	**-**	**55**
TOTAL EXPENDITURE	**1,338**	**227**	**429**	**64**	**312**	**2**	**2,372**

Table 68: Average monthly 'Eua HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	474	278	47	52	-	-	851
Alcoholic beverages, Tobacco	70	-	-	-	-	-	70
Clothing and footwear	10	-	-	-	-	-	10
Housing, water, electricity, gas	126	-	0	-	325	-	451
Furnishings, HH equipment	37	-	0	-	-	-	37
Health	2	-	0	-	-	-	2
Transport	292	-	3	-	-	-	295
Communication	105	-	-	-	-	-	105
Recreation and culture	16	-	-	-	-	-	16
Education	14	-	-	-	-	-	14
Restaurants and hotels	7	-	0	5	-	-	13
Miscellaneous goods and services	58	-	1	-	-	2	61
Total consumption expenditure	**1,212**	**278**	**51**	**57**	**325**	**2**	**1,925**
Non-consumption expenditure							
Donation to other HH	-	-	50	-	-	-	50
Donation to church	-	-	173	-	-	-	173
Other donation	-	-	40	-	-	-	40
Taxes and fines	-	-	1	-	-	-	1
Total non-consumption expenditure	**-**	**-**	**263**	**-**	**-**	**-**	**263**
Investment expenditure							
Land and house	7	-	-	-	-	-	7
Plant	3	-	-	-	-	-	3
Total investment expenditure	**9**	**-**	**-**	**-**	**-**	**-**	**9**
TOTAL EXPENDITURE	**1,221**	**278**	**315**	**57**	**325**	**2**	**2,198**

Table 69: Average monthly Ongo Niua HH expenditure (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	353	236	11	23	-	-	623
Alcoholic beverages, Tobacco	141	-	-	-	-	-	141
Clothing and footwear	20	-	-	-	-	-	20
Housing, water, electricity, gas	78	-	-	-	225	-	303
Furnishings, HH equipment	-	-	-	-	-	-	-
Health	48	-	0	-	-	-	48
Transport	237	-	1	-	-	-	237
Communication	61	-	-	-	-	-	61
Recreation and culture	5	-	-	-	-	-	5
Education	6	-	-	-	-	-	6
Restaurants and hotels	-	-	-	0	-	-	0
Miscellaneous goods and services	53	-	1	-	-	11	64
Total consumption expenditure	**1,000**	**236**	**13**	**23**	**225**	**11**	**1,508**
Non-consumption expenditure							
Donation to other HH	-	-	14	-	-	-	14
Donation to church	-	-	241	-	-	-	241
Other donation	-	-	20	-	-	-	20
Taxes and fines	-	-	-	-	-	-	-
Total non-consumption expenditure	**-**	**-**	**276**	**-**	**-**	**-**	**276**
Investment expenditure							
Land and house	0	-	-	-	-	-	0
Plant	11	-	-	-	-	-	11
Total investment expenditure	**11**	**-**	**-**	**-**	**-**	**-**	**11**
TOTAL EXPENDITURE	**1,011**	**236**	**288**	**23**	**225**	**11**	**1,795**

Distribution of household expenditure

Table 70: Distribution of HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	24%	5%	2%	1%	0%	0%	33%
Alcoholic beverages, Tobacco	6%	0%	0%	0%	0%	0%	6%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	7%	0%	0%	0%	13%	0%	20%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	13%	0%	0%	0%	0%	0%	13%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	2%	0%	0%	0%	0%	0%	2%
Restaurants and hotels	2%	0%	0%	0%	0%	0%	2%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**66%**	**5%**	**3%**	**1%**	**13%**	**0%**	**88%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	8%	0%	0%	0%	8%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**11%**	**0%**	**0%**	**0%**	**11%**
Investment expenditure							
Land and house	1%	0%	0%	0%	0%	0%	1%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**1%**	**0%**	**0%**	**0%**	**0%**	**0%**	**1%**
TOTAL EXPENDITURE	**67%**	**5%**	**14%**	**1%**	**13%**	**0%**	**100%**

Table 71: Distribution of urban HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	25%	1%	1%	0%	0%	0%	29%
Alcoholic beverages, Tobacco	5%	0%	0%	0%	0%	0%	5%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	11%	0%	0%	0%	15%	0%	25%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	12%	0%	0%	0%	0%	0%	12%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	2%	0%	0%	0%	0%	0%	2%
Restaurants and hotels	3%	0%	0%	0%	0%	0%	3%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**70%**	**1%**	**2%**	**0%**	**15%**	**0%**	**89%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	6%	0%	0%	0%	6%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**9%**	**0%**	**0%**	**0%**	**9%**
Investment expenditure							
Land and house	2%	0%	0%	0%	0%	0%	2%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**2%**	**0%**	**0%**	**0%**	**0%**	**0%**	**2%**
TOTAL EXPENDITURE	**72%**	**1%**	**11%**	**0%**	**15%**	**0%**	**100%**

Table 72: Distribution of rural HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	24%	7%	2%	1%	0%	0%	34%
Alcoholic beverages, Tobacco	6%	0%	0%	0%	0%	0%	6%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	6%	0%	0%	0%	12%	0%	19%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	14%	0%	0%	0%	0%	0%	14%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	1%	0%	0%	0%	0%	0%	1%
Restaurants and hotels	2%	0%	0%	0%	0%	0%	2%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	4%
Total consumption expenditure	**64%**	**7%**	**3%**	**1%**	**12%**	**0%**	**87%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	9%	0%	0%	0%	9%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**12%**	**0%**	**0%**	**0%**	**12%**
Investment expenditure							
Land and house	1%	0%	0%	0%	0%	0%	1%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**1%**	**0%**	**0%**	**0%**	**0%**	**0%**	**1%**
TOTAL EXPENDITURE	**65%**	**7%**	**14%**	**1%**	**12%**	**0%**	**100%**

Table 73: Distribution of Tongatapu HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	25%	4%	2%	1%	0%	0%	31%
Alcoholic beverages, Tobacco	6%	0%	0%	0%	0%	0%	6%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	8%	0%	0%	0%	13%	0%	21%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	14%	0%	0%	0%	0%	0%	14%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	2%	0%	0%	0%	0%	0%	2%
Restaurants and hotels	3%	0%	0%	0%	0%	0%	3%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	4%
Total consumption expenditure	**70%**	**4%**	**2%**	**1%**	**13%**	**0%**	**89%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	7%	0%	0%	0%	7%
Other donation	0%	0%	0%	0%	0%	0%	0%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**10%**	**0%**	**0%**	**0%**	**10%**
Investment expenditure							
Land and house	1%	0%	0%	0%	0%	0%	1%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**1%**	**0%**	**0%**	**0%**	**0%**	**0%**	**1%**
TOTAL EXPENDITURE	**71%**	**4%**	**12%**	**1%**	**13%**	**0%**	**100%**

Table 74: Distribution of Tongatapu (urban) HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	25%	1%	1%	0%	0%	0%	29%
Alcoholic beverages, Tobacco	5%	0%	0%	0%	0%	0%	5%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	11%	0%	0%	0%	15%	0%	25%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	12%	0%	0%	0%	0%	0%	12%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	2%	0%	0%	0%	0%	0%	2%
Restaurants and hotels	3%	0%	0%	0%	0%	0%	3%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**70%**	**1%**	**2%**	**0%**	**15%**	**0%**	**89%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	6%	0%	0%	0%	6%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**9%**	**0%**	**0%**	**0%**	**9%**
Investment expenditure							
Land and house	2%	0%	0%	0%	0%	0%	2%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**2%**	**0%**	**0%**	**0%**	**0%**	**0%**	**2%**
TOTAL EXPENDITURE	**72%**	**1%**	**11%**	**0%**	**15%**	**0%**	**100%**

Table 75: Distribution of Tongatapu (rural) HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	24%	5%	2%	1%	0%	0%	32%
Alcoholic beverages, Tobacco	6%	0%	0%	0%	0%	0%	6%
Clothing and footwear	2%	0%	0%	0%	0%	0%	2%
Housing, water, electricity, gas	7%	0%	0%	0%	12%	0%	19%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	3%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	15%	0%	0%	0%	0%	0%	15%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	2%	0%	0%	0%	0%	0%	2%
Restaurants and hotels	2%	0%	0%	0%	0%	0%	2%
Miscellaneous goods and services	4%	0%	0%	0%	0%	0%	4%
Total consumption expenditure	**69%**	**5%**	**2%**	**1%**	**12%**	**0%**	**89%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	8%	0%	0%	0%	8%
Other donation	0%	0%	0%	0%	0%	0%	0%
Taxes and fines	0%	0%	1%	0%	0%	0%	1%
Total non-consumption expenditure	**0%**	**0%**	**10%**	**0%**	**0%**	**0%**	**10%**
Investment expenditure							
Land and house	1%	0%	0%	0%	0%	0%	1%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**1%**	**0%**	**0%**	**0%**	**0%**	**0%**	**1%**
TOTAL EXPENDITURE	**70%**	**5%**	**12%**	**1%**	**12%**	**0%**	**100%**

Table 76: Distribution of Vava'u HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	22%	10%	6%	3%	0%	0%	40%
Alcoholic beverages, Tobacco	5%	0%	0%	0%	0%	0%	5%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	6%	0%	0%	0%	13%	0%	19%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	10%	0%	0%	0%	0%	0%	10%
Communication	2%	0%	0%	0%	0%	0%	2%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	1%	0%	0%	0%	0%	0%	1%
Restaurants and hotels	1%	0%	0%	0%	0%	0%	1%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**54%**	**10%**	**7%**	**3%**	**13%**	**0%**	**86%**
Non-consumption expenditure							
Donation to other HH	0%	0%	3%	0%	0%	0%	3%
Donation to church	0%	0%	8%	0%	0%	0%	8%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**12%**	**0%**	**0%**	**0%**	**12%**
Investment expenditure							
Land and house	2%	0%	0%	0%	0%	0%	2%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**2%**	**0%**	**0%**	**0%**	**0%**	**0%**	**2%**
TOTAL EXPENDITURE	**56%**	**10%**	**18%**	**3%**	**13%**	**0%**	**100%**

Table 77: Distribution of Ha'apai HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	24%	10%	1%	1%	0%	0%	36%
Alcoholic beverages, Tobacco	7%	0%	0%	0%	0%	0%	7%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	5%	0%	0%	0%	11%	0%	16%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	9%	0%	0%	0%	0%	0%	9%
Communication	4%	0%	0%	0%	0%	0%	4%
Recreation and culture	0%	0%	0%	0%	0%	0%	0%
Education	1%	0%	0%	0%	0%	0%	1%
Restaurants and hotels	0%	0%	0%	0%	0%	0%	0%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**56%**	**10%**	**2%**	**1%**	**11%**	**0%**	**80%**
Non-consumption expenditure							
Donation to other HH	0%	0%	3%	0%	0%	0%	3%
Donation to church	0%	0%	17%	0%	0%	0%	17%
Other donation	0%	0%	0%	0%	0%	0%	0%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**20%**	**0%**	**0%**	**0%**	**20%**
Investment expenditure							
Land and house	0%	0%	0%	0%	0%	0%	0%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**
TOTAL EXPENDITURE	**56%**	**10%**	**22%**	**1%**	**11%**	**0%**	**100%**

Table 78: Distribution of 'Eua HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	22%	13%	2%	2%	0%	0%	39%
Alcoholic beverages, Tobacco	3%	0%	0%	0%	0%	0%	3%
Clothing and footwear	0%	0%	0%	0%	0%	0%	0%
Housing, water, electricity, gas	6%	0%	0%	0%	15%	0%	21%
Furnishings, HH equipment	2%	0%	0%	0%	0%	0%	2%
Health	0%	0%	0%	0%	0%	0%	0%
Transport	13%	0%	0%	0%	0%	0%	13%
Communication	5%	0%	0%	0%	0%	0%	5%
Recreation and culture	1%	0%	0%	0%	0%	0%	1%
Education	1%	0%	0%	0%	0%	0%	1%
Restaurants and hotels	0%	0%	0%	0%	0%	0%	1%
Miscellaneous goods and services	3%	0%	0%	0%	0%	0%	3%
Total consumption expenditure	**55%**	**13%**	**2%**	**3%**	**15%**	**0%**	**88%**
Non-consumption expenditure							
Donation to other HH	0%	0%	2%	0%	0%	0%	2%
Donation to church	0%	0%	8%	0%	0%	0%	8%
Other donation	0%	0%	2%	0%	0%	0%	2%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**12%**	**0%**	**0%**	**0%**	**12%**
Investment expenditure							
Land and house	0%	0%	0%	0%	0%	0%	0%
Plant	0%	0%	0%	0%	0%	0%	0%
Total investment expenditure	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**
TOTAL EXPENDITURE	**56%**	**13%**	**14%**	**3%**	**15%**	**0%**	**100%**

Table 79: Distribution of Ongo Niua HH expenditure

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed	Total
Consumption expenditure							
Food and non-alcoholic beverages	20%	13%	1%	1%	0%	0%	35%
Alcoholic beverages, Tobacco	8%	0%	0%	0%	0%	0%	8%
Clothing and footwear	1%	0%	0%	0%	0%	0%	1%
Housing, water, electricity, gas	4%	0%	0%	0%	13%	0%	17%
Furnishings, HH equipment	0%	0%	0%	0%	0%	0%	0%
Health	3%	0%	0%	0%	0%	0%	3%
Transport	13%	0%	0%	0%	0%	0%	13%
Communication	3%	0%	0%	0%	0%	0%	3%
Recreation and culture	0%	0%	0%	0%	0%	0%	0%
Education	0%	0%	0%	0%	0%	0%	0%
Restaurants and hotels	0%	0%	0%	0%	0%	0%	0%
Miscellaneous goods and services	3%	0%	0%	0%	0%	1%	4%
Total consumption expenditure	**56%**	**13%**	**1%**	**1%**	**13%**	**1%**	**84%**
Non-consumption expenditure							
Donation to other HH	0%	0%	1%	0%	0%	0%	1%
Donation to church	0%	0%	13%	0%	0%	0%	13%
Other donation	0%	0%	1%	0%	0%	0%	1%
Taxes and fines	0%	0%	0%	0%	0%	0%	0%
Total non-consumption expenditure	**0%**	**0%**	**15%**	**0%**	**0%**	**0%**	**15%**
Investment expenditure							
Land and house	0%	0%	0%	0%	0%	0%	0%
Plant	1%	0%	0%	0%	0%	0%	1%
Total investment expenditure	**1%**	**0%**	**0%**	**0%**	**0%**	**0%**	**1%**
TOTAL EXPENDITURE	**56%**	**13%**	**16%**	**1%**	**13%**	**1%**	**100%**

Proportion of households incurring expenditure, by expenditure category and type

Table 80: Proportion of HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	63%	18%	14%	-	-
Alcoholic beverages, Tobacco	62%	-	0%	-	-	-
Clothing and footwear	75%	-	2%	-	-	-
Housing, water, electricity, gas	100%	-	1%	-	98%	-
Furnishings, HH equipment	92%	--	4%	-	-	-
Health	25%	-	0%	-	-	-
Transport	86%	-	3%	-	-	-
Communication	97%	-	0%	-	-	-
Recreation and culture	68%	-	2%	-	-	-
Education	61%	--	1%	-	-	-
Restaurants and hotels	44%	-	3%	1%	-	-
Miscellaneous goods and services	95%	-	3%	-	-	4%
Donation to other HH	-	-	66%	-	-	-
Donation to church	-	-	86%	-	-	-
Other donation	-	-	8%	-	-	-
Taxes and fines	-	-	13%	-	-	-
Land and house	9%	-	-	-	-	-
Plant	1%	-	-	-	-	-

Table 81: Proportion of Tongatapu HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	56%	19%	11%	-	-
Alcoholic beverages, Tobacco	62%	-	0%	-	-	-
Clothing and footwear	76%	-	2%	-	-	-
Housing, water, electricity, gas	100%	-	1%	-	97%	-
Furnishings, HH equipment	93%	-	3%	-	-	-
Health	30%	-	0%	-	-	-
Transport	89%	-	3%	-	-	-
Communication	98%	-	1%	-	-	-
Recreation and culture	71%	-	2%	-	--	-
Education	64%	-	1%	-	-	-
Restaurants and hotels	53%	-	3%	0%	-	-
Miscellaneous goods and services	94%	-	3%	-	-	4%
Donation to other HH	-	-	68%	-	-	-
Donation to church	-	-	84%	-	-	-
Other donation	-	-	8%	-	-	-
Taxes and fines	-	-	18%	-	-	-
Land and house	10%	-	-	-	-	-
Plant	0%	-	-	-	-	-

Table 82: Proportion of Tongatapu (urban) HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	27%	18%	6%	-	-
Alcoholic beverages, Tobacco	61%	-	0%	-	-	-
Clothing and footwear	74%	-	1%	-	-	-
Housing, water, electricity, gas	100%	-	2%	-	92%	-
Furnishings, HH equipment	91%	-	2%	-	-	-
Health	28%	-	0%	-	-	-
Transport	90%	-	2%	-	-	-
Communication	99%	-	1%	-	-	-
Recreation and culture	68%	-	1%	-	-	-
Education	62%	-	0%	-	-	-
Restaurants and hotels	56%	--	4%	-	-	-
Miscellaneous goods and services	92%	-	3%	-	-	7%
Donation to other HH	-	-	57%	-	-	-
Donation to church	-	-	76%	-	-	-
Other donation	-	-	8%	-	-	-
Taxes and fines	-	-	3%	-	-	-
Land and house	10%	-	-	-	-	-
Plant	1%	-	-	-	-	-

Table 83: Proportion of Tongatapu (rural) HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	99%	69%	20%	13%	-	-
Alcoholic beverages, Tobacco	62%	-	0%	-	-	-
Clothing and footwear	77%	-	3%	-	-	-
Housing, water, electricity, gas	100%	-	1%	-	99%	-
Furnishings, HH equipment	94%	-	4%	-	-	-
Health	30%	-	0%	-	-	-
Transport	89%	-	3%	-	-	-
Communication	98%	-	1%	-	-	-
Recreation and culture	72%	-	3%	-	-	-
Education	65%	-	1%	-	-	-
Restaurants and hotels	52%	-	2%	0%	-	-
Miscellaneous goods and services	95%	-	4%	-	-	3%
Donation to other HH	-	-	73%	-	-	-
Donation to church	-	-	88%	-	-	-
Other donation	-	-	8%	-	-	-
Taxes and fines	-	-	25%	-	-	-
Land and house	11%	-	-	-	-	-
Plant	0%	-	-	-	-	-

Table 84: Proportion of Vava'u HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	76%	22%	23%	-	-
Alcoholic beverages, Tobacco	63%	-	0%	-	-	-
Clothing and footwear	79%	-	1%	-	-	-
Housing, water, electricity, gas	100%	-	3%	-	99%	-
Furnishings, HH equipment	94%	-	7%	-	-	-
Health	15%	-	-	-	-	-
Transport	77%	-	5%	-	-	-
Communication	93%	-	-	-	-	-
Recreation and culture	72%	-	2%	-	-	-
Education	62%	-	0%	-	-	-
Restaurants and hotels	27%	-	2%	6%	-	-
Miscellaneous goods and services	99%	-	3%	-	-	2%
Donation to other HH	-	-	74%	-	-	-
Donation to church	-	-	89%	-	-	-
Other donation	-	-	12%	-	-	-
Land and house	8%	-	-	-	-	-
Plant	1%	-	-	-	-	-

Table 85: Proportion of Ha'apai HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	87%	11%	17%	-	-
Alcoholic beverages, Tobacco	60%	-	-	-	-	-
Clothing and footwear	73%	-	2%	-	-	-
Housing, water, electricity, gas	98%	-	0%	-	100%	-
Furnishings, HH equipment	78%	-	3%	-	-	-
Health	10%	-	0%	-	-	-
Transport	85%	-	3%	-	-	-
Communication	99%	-	1%	-	-	-
Recreation and culture	56%	-	0%	-	-	-
Education	44%	-	2%	-	-	-
Restaurants and hotels	15%	-	1%	1%	-	-
Miscellaneous goods and services	95%	-	3%	-	-	0%
Donation to other HH	-	-	52%	-	-	-
Donation to church	-	-	94%	-	-	-
Other donation	-	-	4%	-	-	-
Land and house	0%	-	-	-	-	-
Plant	3%	-	-	-	-	-

Table 86: Proportion of ''Eua HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	89%	12%	22%	-	-
Alcoholic beverages, Tobacco	50%	-	-	-	-	-
Clothing and footwear	49%	-	-	-	-	-
Housing, water, electricity, gas	99%	-	0%	-	100%	-
Furnishings, HH equipment	85%	-	4%	-	-	-
Health	11%	-	0%	-	-	-
Transport	75%	-	3%	-	-	-
Communication	95%	-	-	-	-	-
Recreation and culture	42%	-	-	-	-	-
Education	46%	-	-	-	-	-
Restaurants and hotels	15%	-	0%	8%	-	-
Miscellaneous goods and services	92%	-	3%	-	-	1%
Donation to other HH	-	-	42%	-	-	-
Donation to church	-	-	88%	-	-	-
Other donation	-	-	5%	-	-	-
Taxes and fines	-	-	0%	-	-	-
Land and house	2%	-	-	-	-	-
Plant	5%	-	-	-	-	-

Table 87: Proportion of Ongo Niua HHs incurring expenditure by expenditure category and type

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind consumed
Food and non-alcoholic beverages	100%	93%	9%	20%	-	-
Alcoholic beverages, Tobacco	71%	-	-	-	-	-
Clothing and footwear	80%	-	-	-	-	-
Housing, water, electricity, gas	99%	-	-	-	100%	-
Furnishings, HH equipment	95%	-	2%	-	-	-
Transport	61%	-	2%	-	-	-
Communication	89%	-	-	-	-	-
Recreation and culture	44%	-	-	-	-	-
Education	32%	-	-	-	-	-
Restaurants and hotels	-	-	-	1%	-	-
Miscellaneous goods and services	92%	-	2%	-	-	11%
Donation to other HH	-	-	32%	-	-	-
Donation to church	-	-	84%	-	-	-
Other donation	-	-	21%	-	-	-
Land and house	1%	-	-	-	-	-
Plant	14%	-	-	-	-	-

Household expenditure by COICOP division and class

Table 88: National HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	24,753,060	120,030	759,680	45,050			25,677,810
Meat	44,670,100	2,526,910	5,910,690	1,561,470			54,669,160
Fish and sea food	15,417,890	2,312,190	1,940,720	766,250			20,437,040
Milk, cheese and eggs	6,497,580	12,460	563,760	9,670			7,083,460
Oils and fats	6,078,430	670	116,560	11,450			6,207,110
Fruit	4,734,560	5,705,460	382,630	820,560			11,643,200
Vegetables	14,796,510	18,292,230	798,380	2,658,170			36,545,290
Sugar, jam, honey, chocolate and confect	6,261,210	4,300	627,630	12,220			6,905,350
Food products N.E.C.	2,531,250	1,040	218,810	160			2,751,270
Coffee, tea and cocoa	1,033,790		25,880				1,059,670
Mineral water, soft drinks	5,630,840	24,460	752,420				6,407,720
Sub-total	**132,405,220**	**28,999,730**	**12,097,140**	**5,884,990**			**179,387,090**
Alcoholic beverages, tobacco							
Spirits	3,599,200						3,599,200
Wine	519,510						519,510
Beer	3,820,450						3,820,450
Tobacco	16,797,220		1,990				16,799,220
Narcotics	6,266,400						6,266,400
Sub-total	**31,002,780**		**1,990**				**31,004,780**
Clothing and footwear							
Clothing materials	62,820		18,240				81,060
Garments	5,910,530		54,980				5,965,510
Other articles of clothing	292,520		220				292,740
Cleaning, repair and hire of clothing	111,170		860				112,030
Shoes and other footwear	1,018,260		1,460				1,019,720
Repair and hire of footwear	380						380
Sub-total	**7,395,680**		**75,760**				**7,471,440**
Housing, water, electricity, gas							
Actual rentals paid by tenants	1,828,100		303,510				2,131,610
Other actual rentals	5,720						5,720
Imputed rentals of owner occupiers					56,853,330		56,853,330
Other imputed rentals					12,896,320		12,896,320
Materials for the maintenance	6,402,460		42,190				6,444,650
Services for the maintenance	806,430		14,060				820,500
Water supply	6,215,890		18,550				6,234,440
Refuse collection	1,148,560		6,030				1,154,590
Sewer collection and disposal	55,630						55,630
Other services relating to the dwelling	58,680		46,160				104,840
Electricity	17,565,570		42,370				17,607,940
Gas	5,890,500		16,120				5,906,620
Liquid fuels	552,370		9,070				561,440
Solid fuels	75,000		980				75,980
Heat energy	283,050		87,960				371,010
Sub-total	**40,887,960**		**587,010**		**69,749,650**		**111,224,620**

Furnishings, HH equipment			
Furniture and furnishings	1,546,570	14,800	1,561,370
Carpets and other floor coverings	403,510	2,040	405,550
Repair of furniture, furnishings	10,090		10,090
Household textiles	313,070	2,890	315,960
Major HH appliances	2,496,990	36,580	2,533,570
Small electric HH appliances	31,940	390	32,320
Repair of HH appliances	21,010	960	21,970
Glassware, tableware and HH utensiles	34,260	11,190	45,450
Major tools and equipment	103,200		103,200
Small tools and miscellaneous accessories	538,030	3,230	541,260
Non-durable HH goods	5,592,740	148,260	5,741,000
Domestic services and HH services	1,048,990	124,810	1,173,800
Sub-total	**12,140,410**	**345,140**	**12,485,550**
Health			
Pharmaceutical products	571,880	3,520	575,390
Other medical products	1,480		1,480
Therapeutic appliances and equipment	25,010		25,010
Medical services	454,740	1,960	456,690
Dental services	55,370		55,370
Paramedical services	13,920		13,920
Hospital services	165,740		165,740
Sub-total	**1,288,120**	**5,480**	**1,293,600**
Transport			
Motor cars	17,938,530		17,938,530
Bicycles	170,370	2,160	172,540
Spare parts and accessories for personal transport	260,610	11,820	272,420
Fuels and lubricants for personal transport	30,597,560	100,670	30,698,220
Maintenance and repair of personal transport	1,351,600	36,750	1,388,350
Other services in respect of personal transport	3,285,910	6,190	3,292,100
Passenger transport by road	4,088,040	81,030	4,169,070
Passenger transport by air	12,947,810	293,340	13,241,160
Passenger transport by sea	1,452,960	59,700	1,512,650
Other purchased transport services	623,210		623,210
Sub-total	**72,716,600**	**591,650**	**73,308,250**
Communication			
Postal services	3,160		3,160
Telephone and telefax equipment	558,640		558,640
Telephone and telefax services	21,736,550	26,000	21,762,540
Sub-total	**22,298,350**	**26,000**	**22,324,350**
Recreation and culture			
Equipment for sound and picture	455,970	38,460	494,430
Photographic and cinematographic equipment	5,180	150	5,330
Information processing equipment	566,780		566,780
Recording media	262,630		262,630
Repair of audio-visual, photographic	500		500
Musical instruments and major durables	120		120

for indoor recreation							
Games, toys and hobbies	35,790		460				36,250
Equipment for sport, camping and open air recreation	14,610						14,610
Gardens, plants and flowers	113,980						113,980
Pets and related products	42,910						42,910
Veterinary services	150						150
Recreational and sporting services	119,800						119,800
Cultural services	302,010		7,640				309,650
Games of chance	266,480						266,480
Books	937,030		8,150				945,180
Newspapers and periodicals	35,200						35,200
Miscellaneous printed matter	20,100		2,950				23,060
Stationery and drawing materials	854,480		8,950				863,430
Sub-total	**4,033,700**		**66,770**				**4,100,470**
Education							
Pre- primary and primary education	978,030		9,330				987,350
Secondary education	3,131,010		29,140				3,160,150
Post- secondary Non-Tertiary education	870,380		11,080				881,460
Tertiary education	2,107,270		60,800				2,168,070
Educational program for adults	1,235,400		7,010				1,242,410
Sub-total	**8,322,080**		**117,350**				**8,439,430**
Restaurants and hotels							
Restaurants, cafes and the like	9,269,270		483,350	149,300			9,901,920
Accommodation services	2,098,290		1,070				2,099,360
Sub-total	**11,367,560**		**484,420**	**149,300**			**12,001,280**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	422,830						422,830
Electric appliances for personal care	270						270
Other appliances, articles and products	12,946,670		154,930				13,101,600
Jewellery, clocks and watches	88,530		3,850				92,380
Other personal effects	276,750		6,090				282,840
Social protection	103,030		16,000				119,030
Life insurance	1,111,550						1,111,550
Insurance connected with the dwelling	876,270						876,270
Insurance connected with health	110,960						110,960
Insurance connected with transport	337,040						337,040
Other financial services N.E.C.	353,220						353,220
Other services N.E.C.	1,327,080		14,500				1,341,580
Income in kind from employer						1,013,410	1,013,410
Sub-total	**17,954,200**		**195,360**			**1,013,410**	**19,162,960**
Non-Consumption & investment expenditure							
Current transfers in cash			58,885,420				58,885,420
Taxes and fines			1,538,360				1,538,360
HH investment - land and home	6,907,420						6,907,420
HH investment - equipment	233,830						233,830
Sub-total	**7,141,260**	**0**	**60,423,770**	**0**	**0**	**0**	**67,565,030**
Total	**368,953,920**	**28,999,730**	**75,017,830**	**6,034,280**	**69,749,650**	**1,013,410**	**549,768,820**

Table 89: Urban HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	5,615,100	3,430	219,150				5,837,680
Meat	11,184,490	258,200	718,260	109,700			12,270,650
Fish and sea food	4,160,970	147,700	286,750	22,730			4,618,140
Milk, cheese and eggs	1,920,400	11,820	101,520	6,450			2,040,180
Oils and fats	1,467,270		34,830				1,502,100
Fruit	1,663,740	350,320	91,010	122,860			2,227,920
Vegetables	4,750,390	1,086,510	131,550	210,820			6,179,270
Sugar, jam, honey, chocolate and confect	1,475,750		224,200				1,699,950
Food products N.E.C.	764,620		29,070				793,700
Coffee, tea and cocoa	267,750		8,580				276,320
Mineral water, soft drinks	1,558,580		75,260				1,633,850
Sub-total	**34,829,050**	**1,857,980**	**1,920,180**	**472,550**			**39,079,760**
Alcoholic beverages, tobacco							
Spirits	612,500						612,500
Wine	138,800						138,800
Beer	1,307,430						1,307,430
Tobacco	4,034,810		390				4,035,190
Narcotics	833,890						833,890
Sub-total	**6,927,420**		**390**				**6,927,810**
Clothing and footwear							
Clothing materials	22,870						22,870
Garments	1,573,420		1,940				1,575,360
Other articles of clothing	49,260						49,260
Cleaning, repair and hire of clothing	25,680						25,680
Shoes and other footwear	179,000						179,000
Sub-total	**1,850,220**		**1,940**				**1,852,160**
Housing, water, electricity, gas							
Actual rentals paid by tenants	1,303,320		157,020				1,460,340
Imputed rentals of owner occupiers					14,571,760		14,571,760
Other imputed rentals					5,322,570		5,322,570
Materials for the maintenance	2,808,370		42,190				2,850,560
Services for the maintenance	230,080		14,060				244,140
Water supply	2,329,320		3,050				2,332,370
Refuse collection	439,720						439,720
Sewer collection and disposal	12,500						12,500
Other services relating to the dwelling	890		43,220				44,110
Electricity	5,387,520						5,387,520
Gas	1,616,970		2,580				1,619,550
Liquid fuels	24,860		9,070				33,930
Solid fuels	38,290						38,290
Heat energy	169,930		140				170,060
Sub-total	**14,361,750**		**271,340**		**19,894,320**		**34,527,410**

Furnishings, HH equipment			
Furniture and furnishings	553,590		553,590
Carpets and other floor coverings	71,170		71,170
Repair of furniture, furnishings	1,800		1,800
HH textiles	40,710		40,710
Major HH appliances	346,040		346,040
Small electric HH appliances	5,330	390	5,720
Repair of HH appliances	7,400	3,880	11,280
Glassware, tableware and HH utensiles	49,680		49,680
Small tools and miscellaneous accessories	67,480		67,480
Non-durable HH goods	1,261,760	8,290	1,270,050
Domestic services and HH services	185,090		185,090
Sub-total	**2,590,050**	**12,550**	**2,602,590**
Health			
Pharmaceutical products	234,850	1,160	236,010
Other medical products	860		860
Therapeutic appliances and equipment	1,520		1,520
Medical services	170,220	890	171,110
Paramedical services	6,120		6,120
Hospital services	36,130		36,130
Sub-total	**449,690**	**2,050**	**451,740**
Transport			
Motor cars	3,135,010		3,135,010
Bicycles	8,580		8,580
Spare parts and accessories for personal transport	82,130		82,130
Fuels and lubricants for personal transport	7,304,110	73,980	7,378,100
Maintenance and repair of personal transport	336,610		336,610
Other services in respect of personal transport	907,600	1,530	909,140
Passenger transport by road	939,810	45,060	984,870
Passenger transport by air	3,560,410	45,650	3,606,060
Passenger transport by sea	250,650	12,430	263,080
Other purchased transport services	340,750		340,750
Sub-total	**16,865,660**	**178,650**	**17,044,310**
Communication			
Postal services	400		400
Telephone and telefax equipment	146,290		146,290
Telephone and telefax services	5,644,330	9,230	5,653,560
Sub-total	**5,791,010**	**9,230**	**5,800,250**
Recreation and culture			
Equipment for sound and picture	148,890		148,890
Photographic and cinematographic equipment	2,350		2,350
Information processing equipment	173,000		173,000
Recording media	73,400		73,400
Musical instruments and major durables for indoor recreation	40		40
Games, toys and hobbies	6,240		6,240

Equipment for sport, camping and open air recreation	1,040					1,040
Gardens, plants and flowers	52,760					52,760
Recreational and sporting services	23,260					23,260
Cultural services	101,620					101,620
Games of chance	63,110					63,110
Books	196,800		1,170			197,970
Newspapers and periodicals	9,910					9,910
Miscellaneous printed matter	2,190		2,950			5,140
Stationery and drawing materials	250,110		810			250,920
Sub-total	**1,104,720**		**4,930**			**1,109,650**
Education						
Pre- primary and primary education	318,220					318,220
Secondary education	886,000		3,870			889,860
Post- secondary Non-Tertiary education	445,010					445,010
Tertiary education	1,041,280					1,041,280
Educational program for adults	255,180		1,620			256,790
Sub-total	**2,945,670**		**5,480**			**2,951,150**
Restaurants and hotels						
Restaurants, cafes and the like	3,444,600		182,580			3,627,180
Accommodation services	696,370		1,070			697,430
Sub-total	**4,140,960**		**183,650**			**4,324,610**
Miscellaneous goods and services						
Hairdressing salons and personal grooming	93,740					93,740
Other appliances, articles and products	3,181,860		44,990			3,226,850
Jewellery, clocks and watches	13,810					13,810
Other personal effects	109,920		2,290			112,210
Life insurance	99,940					99,940
Insurance connected with the dwelling	317,240					317,240
Insurance connected with health	24,440					24,440
Insurance connected with transport	146,710					146,710
Other financial services N.E.C.	4,200					4,200
Other services N.E.C.	210,490					210,490
Income in kind from employer					371,040	371,040
Sub-total	**4,202,350**		**47,280**		**371,040**	**4,620,670**
Non-Consumption & investment expenditure						
Current transfers in cash			12,563,690			12,563,690
Taxes and fines			118,370			118,370
HH investment - land and home	2,610,920					2,610,920
HH investment - equipment	61,430					61,430
Sub-total	**2,672,360**		**12,682,060**			**15,354,420**
Total	**98,730,920**	**1,857,980**	**15,319,730**	**472,550 19,894,320**	**371,040**	**136,646,540**

Table 90: Rural HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	19,137,960	116,600	540,520	45,050			19,840,130
Meat	33,485,610	2,268,710	5,192,420	1,451,770			42,398,510
Fish and sea food	11,256,920	2,164,480	1,653,970	743,520			15,818,900
Milk, cheese and eggs	4,577,180	640	462,240	3,220			5,043,280
Oils and fats	4,611,160	670	81,720	11,450			4,705,010
Fruit	3,070,820	5,355,140	291,620	697,700			9,415,280
Vegetables	10,046,130	17,205,720	666,830	2,447,350			30,366,020
Sugar, jam, honey, chocolate and confect	4,785,460	4,300	403,440	12,220			5,205,410
Food products N.E.C.	1,766,630	1,040	189,740	160			1,957,580
Coffee, tea and cocoa	766,050		17,300				783,350
Mineral water, soft drinks	4,072,260	24,460	677,160				4,773,880
Sub-total	**97,576,170**	**27,141,760**	**10,176,960**	**5,412,440**			**140,307,330**
Alcoholic beverages, tobacco							
Spirits	2,986,700						2,986,700
Wine	380,710						380,710
Beer	2,513,030						2,513,030
Tobacco	12,762,420		1,610				12,764,020
Narcotics	5,432,510						5,432,510
Sub-total	**24,075,370**		**1,610**				**24,076,970**
Clothing and footwear							
Clothing materials	39,950		18,240				58,190
Garments	4,337,120		53,040				4,390,160
Other articles of clothing	243,260		220				243,480
Cleaning, repair and hire of clothing	85,500		860				86,350
Shoes and other footwear	839,250		1,460				840,720
Repair and hire of footwear	380						380
Sub-total	**5,545,470**		**73,820**				**5,619,280**
Housing, water, electricity, gas							
Actual rentals paid by tenants	524,780		146,490				671,270
Other actual rentals	5,720						5,720
Imputed rentals of owner occupiers					42,281,570		42,281,570
Other imputed rentals					7,573,750		7,573,750
Materials for the maintenance	3,594,090						3,594,090
Services for the maintenance	576,350						576,350
Water supply	3,886,570		15,510				3,902,080
Refuse collection	708,840		6,030				714,870
Sewer collection and disposal	43,120						43,120
Other services relating to the dwelling	57,800		2,930				60,730
Electricity	12,178,050		42,370				12,220,420
Gas	4,273,530		13,540				4,287,070
Liquid fuels	527,510						527,510
Solid fuels	36,720		980				37,700
Heat energy	113,130		87,820				200,950
Sub-total	**26,526,210**		**315,670**		**49,855,330**		**76,697,200**

Furnishings, HH equipment			
Furniture and furnishings	992,980	14,800	1,007,780
Carpets and other floor coverings	332,340	2,040	334,380
Repair of furniture, furnishings	8,290		8,290
Household textiles	272,370	2,890	275,260
Major HH appliances	2,150,950	36,580	2,187,530
Small electric HH appliances	26,610		26,610
Repair of HH appliances	21,010	960	21,970
Glassware, tableware and HH utensiles	26,860	7,310	34,170
Major tools and equipment	53,530		53,530
Small tools and miscellaneous accessories	470,550	3,230	473,780
Non-durable HH goods	4,330,980	139,970	4,470,950
Domestic services and HH services	863,900	124,810	988,710
Sub-total	**9,550,360**	**332,590**	**9,882,960**
Health			
Pharmaceutical products	337,020	2,360	339,380
Other medical products	620		620
Therapeutic appliances and equipment	23,490		23,490
Medical services	284,510	1,060	285,580
Dental services	55,370		55,370
Paramedical services	7,800		7,800
Hospital services	129,620		129,620
Sub-total	**838,430**	**3,420**	**841,860**
Transport			
Motor cars	14,803,520		14,803,520
Bicycles	161,800	2,160	163,960
Spare parts and accessories for personal transport	178,480	11,820	190,300
Fuels and lubricants for personal transport	23,293,440	26,680	23,320,130
Maintenance and repair of personal transport	1,014,990	36,750	1,051,750
Other services in respect of personal transport	2,378,310	4,650	2,382,960
Passenger transport by road	3,148,230	35,970	3,184,190
Passenger transport by air	9,387,400	247,700	9,635,100
Passenger transport by sea	1,202,310	47,270	1,249,580
Other purchased transport services	282,460		282,460
Sub-total	**55,850,940**	**413,000**	**56,263,940**
Communication			
Postal Services	2,770		2,770
Telephone and telefax equipment	412,350		412,350
Telephone and telefax services	16,092,220	16,760	16,108,980
Sub-total	**16,507,340**	**16,760**	**16,524,100**
Recreation and culture			
Equipment for sound and picture	307,080	38,460	345,540
Photographic and cinematographic equipment	2,830	150	2,980
Information processing equipment	393,770		393,770
Recording media	189,230		189,230
Repair of audio-visual, photographic	500		500
Musical instruments and major durables	80		80

for indoor recreation							
Games, toys and hobbies	29,540		460				30,010
Equipment for sport, camping and open air recreation	13,570						13,570
Gardens, plants and flowers	61,220						61,220
Pets and related products	42,910						42,910
Veterinary services	150						150
Recreational and sporting services	96,540						96,540
Cultural services	200,380		7,640				208,030
Games of chance	203,380						203,380
Books	740,220		6,990				747,210
Newspapers and periodicals	25,290						25,290
Miscellaneous printed matter	17,910						17,910
Stationery and drawing materials	604,370		8,150				612,510
Sub-total	**2,928,980**		**61,840**				**2,990,820**
							17,910
Education							
Pre- primary and primary education	659,810		9,330				669,140
Secondary education	2,245,020		25,270				2,270,290
Post- secondary Non-Tertiary education	425,370		11,080				436,450
Tertiary education	1,065,990		60,800				1,126,790
Educational program for adults	980,220		5,400				985,620
Sub-total	**5,376,410**		**111,870**				**5,488,280**
Restaurants and hotels							
Restaurants, cafes and the like	5,824,670		300,770	149,300			6,274,740
Accommodation services	1,401,930						1,401,930
Sub-total	**7,226,600**		**300,770**	**149,300**			**7,676,670**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	329,090						329,090
Electric appliances for personal care	270						270
Other appliances, articles and products	9,764,810		109,940				9,874,750
Jewellery, clocks and watches	74,720		3,850				78,560
Other personal effects	166,820		3,800				170,630
Social protection	103,030		16,000				119,030
Life insurance	1,011,610						1,011,610
Insurance connected with the dwelling	559,030						559,030
Insurance connected with health	86,520						86,520
Insurance connected with transport	190,330						190,330
Other financial services N.E.C.	349,020						349,020
Other services N.E.C.	1,116,590		14,500				1,131,080
Income in kind from employer						642,370	642,370
Sub-total	**13,751,840**		**148,070**			**642,370**	**14,542,290**
Non-Consumption & investment expenditure							
Current transfers in cash			46,321,720				46,321,720
Taxes and fines			1,419,990				1,419,990
HH investment - land and home	4,296,500						4,296,500
HH investment - equipment	172,400						172,400
Sub-total	**4,468,900**		**47,741,710**				**52,210,610**
Total	**270,223,000**	**27,141,760**	**59,698,100**	**5,561,740**	**49,855,330**	**642,370**	**413,122,290**

Table 91: Tongatapu HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	17,939,400	38,600	433,360				18,411,360
Meat	33,554,230	994,070	2,974,310	543,480			38,066,100
Fish and sea food	11,972,250	783,750	1,428,520	203,260			14,387,780
Milk, cheese and eggs	5,260,510	11,820	236,920	6,450			5,515,700
Oils and fats	4,686,350		76,340				4,762,700
Fruit	3,965,930	3,580,710	237,680	525,710			8,310,020
Vegetables	12,023,520	9,057,580	404,520	1,587,070			23,072,680
Sugar, jam, honey, chocolate and confect	4,757,890		397,090				5,154,980
Food products N.E.C.	1,966,440	1,040	114,540				2,082,020
Coffee, tea and cocoa	802,820		22,240				825,060
Mineral water, soft drinks	4,521,400	17,970	295,650				4,835,010
Sub-total	**101,450,740**	**14,485,530**	**6,621,170**	**2,865,970**			**125,423,410**
Alcoholic beverages, tobacco							
Spirits	2,964,170						2,964,170
Wine	327,020						327,020
Beer	2,927,300						2,927,300
Tobacco	13,770,250		1,680				13,771,930
Narcotics	3,670,560						3,670,560
Sub-total	**23,659,290**		**1,680**				**23,660,970**
Clothing and footwear							
Clothing materials	51,740		18,240				69,980
Garments	4,898,140		50,210				4,948,340
Other articles of clothing	222,600						222,600
Cleaning, repair and hire of clothing	70,090						70,090
Shoes and other footwear	751,370		770				752,140
Sub-total	**5,993,940**		**69,220**				**6,063,150**
Housing, water, electricity, gas							
Actual rentals paid by tenants	1,619,240		157,020				1,776,260
Other actual rentals	5,720						5,720
Imputed rentals of owner occupiers					42,243,850		42,243,850
Other imputed rentals					9,634,740		9,634,740
Materials for the maintenance	5,605,950		42,190				5,648,150
Services for the maintenance	788,780		14,060				802,850
Water supply	4,656,840		17,940				4,674,780
Refuse collection	1,122,910		6,030				1,128,940
Sewer collection and disposal	54,390						54,390
Other services relating to the dwelling	12,040		43,220				55,270
Electricity	14,235,740		42,370				14,278,100
Gas	4,545,310		8,690				4,554,010
Liquid fuels	53,380		9,070				62,450
Solid fuels	38,770						38,770
Heat energy	241,730		480				242,210
Sub-total	**32,980,800**		**341,080**		**51,878,590**		**85,200,470**
Furnishings, HH equipment							

Furniture and furnishings	1,037,510	3,340	1,040,840
Carpets and other floor coverings	354,920	2,040	356,960
Repair of furniture, furnishings	1,800		1,800
Household textiles	253,040	2,530	255,570
Major HH appliances	1,799,170	27,430	1,826,600
Small electric HH appliances	29,480	390	29,870
Repair of HH appliances	16,380		16,380
Glassware, tableware and HH utensiles	28,140	4,460	32,600
Major tools and equipment	82,550		82,550
Small tools and miscellaneous accessories	441,790		441,790
Non-durable HH goods	4,299,630	54,030	4,353,660
Domestic services and HH services	997,010	124,810	1,121,820
Sub-total	**9,341,410**	**219,020**	**9,560,430**
Health			
Pharmaceutical products	523,690	2,390	526,080
Other medical products	1,480		1,480
Therapeutic appliances and equipment	24,870		24,870
Medical services	440,450	1,960	442,400
Dental services	51,990		51,990
Paramedical services	10,680		10,680
Hospital services	149,800		149,800
Sub-total	**1,202,950**	**4,350**	**1,207,300**
Transport			
Motor cars	13,501,060		13,501,060
Bicycles	105,430		105,430
Spare parts and accessories for personal transport	258,430	11,820	270,250
Fuels and lubricants for personal transport	25,142,620	73,980	25,216,600
Maintenance and repair of personal transport	1,136,990	36,750	1,173,750
Other services in respect of personal transport	2,992,700	3,670	2,996,370
Passenger transport by road	3,605,980	58,360	3,664,330
Passenger transport by air	10,166,290	121,610	10,287,900
Passenger transport by sea	515,500	14,670	530,170
Other purchased transport services	611,070		611,070
Sub-total	**58,036,070**	**320,850**	**58,356,920**
Communication			
Postal services	3,160		3,160
Telephone and telefax equipment	472,830		472,830
Telephone and telefax services	17,397,000	21,780	17,418,780
Sub-total	**17,873,000**	**21,780**	**17,894,780**
Recreation and culture			
Equipment for sound and picture	370,950	38,460	409,410
Photographic and cinematographic equipment	2,390	150	2,540
Information processing equipment	392,300		392,300
Recording media	208,650		208,650
Repair of audio-visual, photographic	500		500
Musical instruments and major	40		40

durables for indoor recreation							
Games, toys and hobbies	29,700		290				29,990
Equipment for sport, camping and open air recreation	12,920						12,920
Gardens, plants and flowers	92,610						92,610
Pets and related products	42,910						42,910
Veterinary services	150						150
Recreational and sporting services	103,340						103,340
Cultural services	157,020						157,020
Games of chance	169,540						169,540
Books	638,010		6,540				644,540
Newspapers and periodicals	27,730						27,730
Miscellaneous printed matter	20,100		2,950				23,060
Stationery and drawing materials	794,980		4,670				799,650
Sub-total	**3,063,830**		**53,050**				**3,116,880**
Education							
Pre- primary and primary education	879,070		9,330				888,400
Secondary education	2,512,840		23,020				2,535,860
Post- secondary Non-Tertiary education	830,150						830,150
Tertiary education	1,923,400		37,400				1,960,800
Educational program for adults	973,030		6,800				979,830
Sub-total	**7,118,480**		**76,550**				**7,195,030**
Restaurants and hotels							
Restaurants, cafes and the like	8,597,190		462,170	11,030			9,070,380
Accommodation services	1,952,580		1,070				1,953,640
Sub-total	**10,549,760**		**463,230**	**11,030**			**11,024,020**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	402,600						402,600
Other appliances, articles and products	9,800,000		121,650				9,921,650
Jewellery, clocks and watches	42,600		770				43,370
Other personal effects	228,050		2,290				230,340
Life insurance	878,950						878,950
Insurance connected with the dwelling	759,160						759,160
Insurance connected with health	98,180						98,180
Insurance connected with transport	320,550						320,550
Other financial services N.E.C.	308,980						308,980
Other services N.E.C.	1,276,890		14,500				1,291,380
Income in kind from employer						898,830	898,830
Sub-total	**14,115,960**		**139,210**			**898,830**	**15,154,000**
Non-Consumption & investment expenditure							
Current transfers in cash			39,560,120				39,560,120
Taxes and fines			1,532,660				1,532,660
HH investment - land and home	5,064,570						5,064,570
HH investment - equipment	91,290						91,290
Sub-total	**5,155,860**		**41,092,780**				**46,248,650**
Total	**290,542,090**	**14,485,530**	**49,423,970**	**2,876,990**	**51,878,590**	**898,830**	**410,105,990**

Table 92: Tongatapu (urban) HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	5,615,100	3,430	219,150				5,837,680
Meat	11,184,490	258,200	718,260	109,700			12,270,650
Fish and sea food	4,160,970	147,700	286,750	22,730			4,618,140
Milk, cheese and eggs	1,920,400	11,820	101,520	6,450			2,040,180
Oils and fats	1,467,270		34,830				1,502,100
Fruit	1,663,740	350,320	91,010	122,860			2,227,920
Vegetables	4,750,390	1,086,510	131,550	210,820			6,179,270
Sugar, jam, honey, chocolate and confect	1,475,750		224,200				1,699,950
Food products N.E.C.	764,620		29,070				793,700
Coffee, tea and cocoa	267,750		8,580				276,320
Mineral water, soft drinks	1,558,580		75,260				1,633,850
Sub-total	**34,829,050**	**1,857,980**	**1,920,180**	**472,550**			**39,079,760**
Alcoholic beverages, tobacco							
Spirits	612,500						612,500
Wine	138,800						138,800
Beer	1,307,430						1,307,430
Tobacco	4,034,810		390				4,035,190
Narcotics	833,890						833,890
Sub-total	**6,927,420**		**390**				**6,927,810**
Clothing and footwear							
Clothing materials	22,870						22,870
Garments	1,573,420		1,940				1,575,360
Other articles of clothing	49,260						49,260
Cleaning, repair and hire of clothing	25,680						25,680
Shoes and other footwear	179,000						179,000
Sub-total	**1,850,220**		**1,940**				**1,852,160**
Housing, water, electricity, gas							
Actual rentals paid by tenants	1,303,320		157,020				1,460,340
Other actual rentals					14,571,760		14,571,760
Imputed rentals of owner occupiers					5,322,570		5,322,570
Materials for the maintenance	2,808,370		42,190				2,850,560
Services for the maintenance	230,080		14,060				244,140
Water supply	2,329,320		3,050				2,332,370
Refuse collection	439,720						439,720
Sewer collection and disposal	12,500						12,500
Other services relating to the dwelling	890		43,220				44,110
Electricity	5,387,520						5,387,520
Gas	1,616,970		2,580				1,619,550
Liquid fuels	24,860		9,070				33,930
Solid fuels	38,290						38,290
Heat energy	169,930		140				170,060
Sub-total	**14,361,750**		**271,340**		**19,894,320**		**34,527,410**
Furnishings, HH equipment							
Furniture and furnishings	553,590						553,590

Carpets and other floor coverings	71,170		71,170
Repair of furniture, furnishings	1,800		1,800
Household textiles	40,710		40,710
Major HH appliances	346,040		346,040
Small electric HH appliances	5,330	390	5,720
Repair of HH appliances	7,400	3,880	11,280
Glassware, tableware and HH utensiles	49,680		49,680
Small tools and miscellaneous accessories	67,480		67,480
Non-durable HH goods	1,261,760	8,290	1,270,050
Domestic services and HH services	185,090		185,090
Sub-total	**2,590,050**	**12,550**	**2,602,590**
Health			
Pharmaceutical products	234,850	1,160	236,010
Other medical products	860		860
Therapeutic appliances and equipment	1,520		1,520
Medical services	170,220	890	171,110
Paramedical services	6,120		6,120
Hospital services	36,130		36,130
Sub-total	**449,690**	**2,050**	**451,740**
Transport			
Motor cars	3,135,010		3,135,010
Bicycles	8,580		8,580
Spare parts and accessories for personal transport	82,130		82,130
Fuels and lubricants for personal transport	7,304,110	73,980	7,378,100
Maintenance and repair of personal transport	336,610		336,610
Other services in respect of personal transport	907,600	1,530	909,140
Passenger transport by road	939,810	45,060	984,870
Passenger transport by air	3,560,410	45,650	3,606,060
Passenger transport by sea	250,650	12,430	263,080
Other purchased transport services	340,750		340,750
Sub-total	**16,865,660**	**178,650**	**17,044,310**
Communication			
Postal services	400		400
Telephone and telefax equipment	146,290		146,290
Telephone and telefax services	5,644,330	9,230	5,653,560
Sub-total	**5,791,010**	**9,230**	**5,800,250**
Recreation and culture			
Equipment for sound and picture	148,890		148,890
Photographic and cinematographic equipment	2,350		2,350
Information processing equipment	173,000		173,000
Recording media	73,400		73,400
Musical instruments and major durables for indoor recreation	40		40
Games, toys and hobbies	6,240		6,240
Equipment for sport, camping and open air recreation	1,040		1,040

Gardens, plants and flowers	52,760						52,760
Recreational and sporting services	23,260						23,260
Cultural services	101,620						101,620
Games of chance	63,110						63,110
Books	196,800		1,170				197,970
Newspapers and periodicals	9,910						9,910
Miscellaneous printed matter	2,190		2,950				5,140
Stationery and drawing materials	250,110		810				250,920
Sub-total	**1,104,720**		**4,930**				**1,109,650**
Education							
Pre- primary and primary education	318,220						318,220
Secondary education	886,000		3,870				889,860
Post- secondary Non-Tertiary education	445,010						445,010
Tertiary education	1,041,280						1,041,280
Educational program for adults	255,180		1,620				256,790
Sub-total	**2,945,670**		**5,480**				**2,951,150**
Restaurants and hotels							
Restaurants, cafes and the like	3,444,600		182,580				3,627,180
Accommodation services	696,370		1,070				697,430
Sub-total	**4,140,960**		**183,650**				**4,324,610**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	93,740						93,740
Other appliances, articles and products	3,181,860		44,990				3,226,850
Jewellery, clocks and watches	13,810						13,810
Other personal effects	109,920		2,290				112,210
Life insurance	99,940						99,940
Insurance connected with the dwelling	317,240						317,240
Insurance connected with health	24,440						24,440
Insurance connected with transport	146,710						146,710
Other financial services N.E.C.	4,200						4,200
Other services N.E.C.	210,490						210,490
Income in kind from employer						371,040	371,040
Sub-total	**4,202,350**		**47,280**			**371,040**	**4,620,670**
Non-Consumption & investment expenditure							
Current transfers in cash			12,563,690				12,563,690
Taxes and fines			118,370				118,370
HH investment - land and home	2,610,920						2,610,920
HH investment - equipment	61,430						61,430
Sub-total	**2,672,360**		**12,682,060**				**15,354,420**
Total	**98,730,920**	**1,857,980**	**15,319,730**	**472,550**	**19,894,320**	**371,040**	**136,646,540**

Table 93: Tongatapu (rural) HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	12,324,300	35,170	214,210				12,573,670
Meat	22,369,740	735,880	2,256,050	433,780			25,795,450
Fish and sea food	7,811,280	636,040	1,141,780	180,540			9,769,640
Milk, cheese and eggs	3,340,120		135,400				3,475,510
Oils and fats	3,219,080		41,510				3,260,600
Fruit	2,302,190	3,230,390	146,670	402,850			6,082,100
Vegetables	7,273,130	7,971,070	272,970	1,376,250			16,893,410
Sugar, jam, honey, chocolate and confect	3,282,140		172,890				3,455,040
Food products N.E.C.	1,201,820	1,040	85,460				1,288,330
Coffee, tea and cocoa	535,080		13,660				548,740
Mineral water, soft drinks	2,962,810	17,970	220,380				3,201,170
Sub-total	**66,621,690**	**12,627,550**	**4,700,990**	**2,393,420**			**86,343,640**
Alcoholic beverages, tobacco							
Spirits	2,351,670						2,351,670
Wine	188,220						188,220
Beer	1,619,870						1,619,870
Tobacco	9,735,450		1,290				9,736,740
Narcotics	2,836,670						2,836,670
Sub-total	**16,731,870**		**1,290**				**16,733,160**
Clothing and footwear							
Clothing materials	28,880		18,240				47,120
Garments	3,324,720		48,260				3,372,990
Other articles of clothing	173,340						173,340
Cleaning, repair and hire of clothing	44,410						44,410
Shoes and other footwear	572,370		770				573,140
Sub-total	**4,143,720**		**67,280**				**4,210,990**
Housing, water, electricity, gas							
Actual rentals paid by tenants	315,920						315,920
Other actual rentals	5,720						5,720
Imputed rentals of owner occupiers					27,672,090		27,672,090
Other imputed rentals					4,312,170		4,312,170
Materials for the maintenance	2,797,590						2,797,590
Services for the maintenance	558,700						558,700
Water supply	2,327,520		14,890				2,342,410
Refuse collection	683,190		6,030				689,220
Sewer collection and disposal	41,890						41,890
Other services relating to the dwelling	11,160						11,160
Electricity	8,848,220		42,370				8,890,590
Gas	2,928,350		6,110				2,934,460
Liquid fuels	28,520						28,520
Solid fuels	490						490
Heat energy	71,800		350				72,150
Sub-total	**18,619,050**		**69,740**		**31,984,270**		**50,673,060**

Furnishings, HH equipment			
Furniture and furnishings	483,920	3,340	487,260
Carpets and other floor coverings	283,760	2,040	285,790
Household textiles	212,330	2,530	214,860
Major HH appliances	1,453,130	27,430	1,480,550
Small electric HH appliances	24,150		24,150
Repair of HH appliances	16,380		16,380
Glassware, tableware and HH utensiles	20,740	580	21,320
Major tools and equipment	32,870		32,870
Small tools and miscellaneous accessories	374,310		374,310
Non-durable HH goods	3,037,860	45,750	3,083,610
Domestic services and HH services	811,920	124,810	936,730
Sub-total	**6,751,360**	**206,480**	**6,957,840**
Health			
Pharmaceutical products	288,830	1,230	290,060
Other medical products	620		620
Therapeutic appliances and equipment	23,350		23,350
Medical services	270,230	1,060	271,290
Dental services	51,990		51,990
Paramedical services	4,570		4,570
Hospital services	113,670		113,670
Sub-total	**753,260**	**2,300**	**755,550**
Transport			
Motor cars	10,366,050		10,366,050
Bicycles	96,850		96,850
Spare parts and accessories for personal transport	176,310	11,820	188,120
Fuels and lubricants for personal transport	17,838,510		17,838,510
Maintenance and repair of personal transport	800,390	36,750	837,140
Other services in respect of personal transport	2,085,100	2,130	2,087,230
Passenger transport by road	2,666,170	13,290	2,679,460
Passenger transport by air	6,605,880	75,960	6,681,840
Passenger transport by sea	264,850	2,240	267,090
Other purchased transport services	270,320		270,320
Sub-total	**41,170,410**	**142,200**	**41,312,610**
Communication			
Postal services	2,770		2,770
Telephone and telefax equipment	326,540		326,540
Telephone and telefax services	11,752,670	12,550	11,765,220
Sub-total	**12,081,980**	**12,550**	**12,094,530**
Recreation and culture			
Equipment for sound and picture	222,060	38,460	260,520
Photographic and cinematographic equipment	40	150	190
Information processing equipment	219,300		219,300
Recording media	135,250		135,250
Repair of audio-visual, photographic	500		500

Games, toys and hobbies	23,460		290				23,750
Equipment for sport, camping and open air recreation	11,880						11,880
Gardens, plants and flowers	39,850						39,850
Pets and related products	42,910						42,910
Veterinary services	150						150
Recreational and sporting services	80,080						80,080
Cultural services	55,390						55,390
Games of chance	106,440						106,440
Books	441,200		5,370				446,570
Newspapers and periodicals	17,820						17,820
Miscellaneous printed matter	17,910						17,910
Stationery and drawing materials	544,870		3,860				548,730
Sub-total	**1,959,110**		**48,120**				**2,007,230**
Education							
Pre- primary and primary education	560,850		9,330				570,180
Secondary education	1,626,850		19,150				1,646,000
Post- secondary Non-Tertiary education	385,140						385,140
Tertiary education	882,120		37,400				919,520
Educational program for adults	717,850		5,180				723,040
Sub-total	**4,172,810**		**71,070**				**4,243,880**
Restaurants and hotels							
Restaurants, cafes and the like	5,152,590		279,590	11,030			5,443,200
Accommodation services	1,256,210						1,256,210
Sub-total	**6,408,800**		**279,590**	**11,030**			**6,699,410**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	308,870						308,870
Other appliances, articles and products	6,618,140		76,650				6,694,790
Jewellery, clocks and watches	28,790		770				29,560
Other personal effects	118,130						118,130
Life insurance	779,010						779,010
Insurance connected with the dwelling	441,920						441,920
Insurance connected with health	73,740						73,740
Insurance connected with transport	173,850						173,850
Other financial services N.E.C.	304,780						304,780
Other services N.E.C.	1,066,390		14,500				1,080,890
Income in kind from employer						527,790	527,790
Sub-total	**9,913,610**		**91,920**			**527,790**	**10,533,320**
Non-Consumption & investment expenditure							
Current transfers in cash			26,996,430				26,996,430
Taxes and fines			1,414,300				1,414,300
HH investment - land and home	2,453,650						2,453,650
HH investment - equipment	29,860						29,860
Sub-total	**2,483,510**		**28,410,730**				**30,894,230**
Total	**191,811,170**	**12,627,550**	**34,104,240**	**2,404,440**	**31,984,270**	**527,790**	**273,459,460**

Table 94: Vava'u HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	3,725,390	3,180	247,060	22,990			3,998,620
Meat	5,949,740	968,560	2,371,030	734,730			10,024,050
Fish and sea food	1,666,510	644,310	380,800	400,120			3,091,740
Milk, cheese and eggs	682,500		304,040	3,220			989,770
Oils and fats	813,310		27,550	10,300			851,150
Fruit	488,720	994,100	114,630	162,180			1,759,630
Vegetables	1,697,500	4,814,390	315,130	686,320			7,513,340
Sugar, jam, honey, chocolate and confect	829,440		200,830	12,130			1,042,400
Food products N.E.C.	259,270		79,730	160			339,160
Coffee, tea and cocoa	130,520		3,640				134,160
Mineral water, soft drinks	763,320		411,880				1,175,190
Sub-total	**17,006,220**	**7,424,520**	**4,456,310**	**2,032,150**			**30,919,200**
Alcoholic beverages, tobacco							
Spirits	126,960						126,960
Wine	181,460						181,460
Beer	745,640						745,640
Tobacco	1,606,240		320				1,606,550
Narcotics	1,314,510						1,314,510
Sub-total	**3,974,810**		**320**				**3,975,130**
Clothing and footwear							
Clothing materials	654,560		1,050				655,610
Garments	15,740		220				15,960
Other articles of clothing	40,910		860				41,770
Cleaning, repair and hire of clothing	155,460						155,460
Shoes and other footwear	380						380
Sub-total	**867,050**		**2,130**				**869,180**
Housing, water, electricity, gas							
Actual rentals paid by tenants	208,860		146,490				355,350
Other actual rentals					8,113,990		8,113,990
Imputed rentals of owner occupiers					2,085,960		2,085,960
Other actual rentals	550,640						550,640
Materials for the maintenance	12,920						12,920
Services for the maintenance	910,860						910,860
Water supply	24,330						24,330
Refuse collection	1,240						1,240
Sewer collection and disposal	43,830		2,930				46,770
Other services relating to the dwelling	1,954,000						1,954,000
Electricity	812,320		6,590				818,910
Gas	35,430						35,430
Liquid fuels	18,010		980				18,980
Heat energy	30,340		87,480				117,810
Sub-total	**4,602,780**		**244,470**		**10,199,950**		**15,047,200**
Furnishings, HH equipment							
Furniture and furnishings	187,110						187,110

Carpets and other floor coverings	23,320		23,320
Repair of furniture, furnishings	7,500		7,500
HH textiles	41,880	360	42,240
Major HH appliances	436,830		436,830
Small electric HH appliances	2,070		2,070
Repair of HH appliances	4,630	960	5,590
Glassware, tableware and HH utensiles	2,850	6,330	9,170
Major tools and equipment	8,220		8,220
Small tools and miscellaneous accessories	50,030	3,230	53,260
Non-durable HH goods	757,140	80,050	837,190
Domestic services and HH services	49,050		49,050
Sub-total	**1,570,610**	**90,930**	**1,661,530**
Health			
Pharmaceutical products	24,120		24,120
Therapeutic appliances and equipment	140		140
Medical services	6,740		6,740
Dental services	3,380		3,380
Paramedical services	1,970		1,970
Hospital services	7,720		7,720
Sub-total	**44,060**		**44,060**
Transport			
Motor cars	2,064,250		2,064,250
Bicycles	1,430		1,430
Spare parts and accessories for personal transport	2,060		2,060
Fuels and lubricants for personal transport	3,085,990		3,085,990
Maintenance and repair of personal transport	199,220		199,220
Other services in respect of personal transport	180,650	1,660	182,310
Passenger transport by road	258,170	19,800	277,970
Passenger transport by air	1,533,340	131,670	1,665,010
Passenger transport by sea	421,620	40,600	462,220
Other purchased transport services	1,170		1,170
Sub-total	**7,747,910**	**193,720**	**7,941,630**
Communication			
Telephone and telefax equipment	33,660		33,660
Telephone and telefax services	1,892,890		1,892,890
Sub-total	**1,926,550**		**1,926,550**
Recreation and culture			
Equipment for sound and picture	41,660		41,660
Photographic and cinematographic equipment	1,690		1,690
Information processing equipment	132,010		132,010
Recording media	53,320		53,320
Musical instruments	80		80
Games, toys and hobbies	4,850	170	5,020
Equipment for sport, camping and open air recreation	570		570

Gardens, plants and flowers	7,410						7,410
Recreational and sporting services	15,600						15,600
Cultural services	119,860		7,640				127,500
Games of chance	2,080						2,080
Books	189,660		1,120				190,770
Newspapers and periodicals	6,910						6,910
Stationery and drawing materials	52,160		4,280				56,450
Sub-total	**627,860**		**13,210**				**641,070**
Education							
Pre- primary and primary education	90,370						90,370
Secondary education	402,820		3,030				405,850
Post- secondary Non-Tertiary education	30,690						30,690
Tertiary education	152,860						152,860
Educational program for adults	168,210		210				168,420
Sub-total	**844,950**		**3,240**				**848,190**
Restaurants and hotels							
Restaurants, cafes and the like	497,530		17,350	77,940			592,810
Accommodation services	114,550						114,550
Sub-total	**612,070**		**17,350**	**77,940**			**707,360**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	15,080						15,080
Electric appliances for personal care	270						270
Other appliances, articles and products	1,906,490		7,160				1,913,650
Jewellery, clocks and watches	4,830		3,070				7,900
Other personal effects	29,230		3,800				33,030
Life insurance	92,200		16,000				108,190
Insurance connected with the dwelling	32,760						32,760
Insurance connected with health	29,830						29,830
Insurance connected with transport	6,640						6,640
Other financial services N.E.C.	14,950						14,950
Other services N.E.C.	22,000						22,000
Income in kind from employer						56,400	56,400
Sub-total	**2,154,270**		**30,040**			**56,400**	**2,240,700**
Non-Consumption & investment expenditure							
Taxes and fines			8,994,420				8,994,420
HH investment - land and home	1,768,650						1,768,650
HH investment - equipment	22,640						22,640
Sub-total	**1,791,290**		**8,994,420**				**10,785,710**
Total	**43,770,440**	**7,424,520**	**14,046,120**	**2,110,090**	**10,199,950**	**56,400**	**77,607,510**

Table 95: Ha'apai HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	1,580,240	75,630	26,510	11,670			1,694,050
Meat	2,737,250	516,170	275,070	152,560			3,681,050
Fish and sea food	1,048,170	441,040	39,670	49,190			1,578,080
Milk, cheese and eggs	294,890		2,420				297,300
Oils and fats	311,690	670	5,690	1,150			319,200
Fruit	176,950	536,080	4,480	23,800			741,310
Vegetables	794,450	1,809,580	62,850	124,860			2,791,730
Sugar, jam, honey, chocolate and confect	408,520		21,760				430,270
Food products N.E.C.	175,240		13,890				189,120
Coffee, tea and cocoa	74,150						74,150
Mineral water, soft drinks	176,670	150	29,000				205,830
Sub-total	**7,778,210**	**3,379,320**	**481,320**	**363,230**			**12,002,090**
Alcoholic beverages, tobacco							
Spirits	320,170						320,170
Wine	11,040						11,040
Beer	58,720						58,720
Tobacco	920,330						920,330
Narcotics	851,050						851,050
Sub-total	**2,161,310**						**2,161,310**
Clothing and footwear							
Garments	258,820		3,730				262,550
Other articles of clothing	45,060						45,060
Shoes and other footwear	63,000		690				63,700
Sub-total	**366,880**		**4,420**				**371,300**
Housing, water, electricity, gas							
Imputed rentals of owner occupiers					2,935,460		2,935,460
Other actual rentals					560,090		560,090
Materials for the maintenance	169,400						169,400
Water supply	300,140		620				300,760
Sewer collection and disposal	2,810						2,810
Other services relating to the dwelling	669,110						669,110
Electricity	290,830						290,830
Gas	275,190						275,190
Liquid fuels	7,110						7,110
Heat energy	980						980
Sub-total	**1,715,570**		**620**		**3,495,550**		**5,211,730**
Furnishings, HH equipment							
Furniture and furnishings	199,270		11,470				210,740
Carpets and other floor coverings	19,800						19,800
Repair of furniture, furnishings	800						800
HH textiles	2,710						2,710
Major HH appliances	145,910		9,150				155,060
Small electric HH appliances	330						330

Glassware, tableware and HH utensiles	2,280	400	2,690
Major tools and equipment	3,090		3,090
Small tools and miscellaneous accessories	32,660		32,660
Non-durable HH goods	268,990	11,430	280,420
Domestic services and HH services	780		780
Sub-total	**676,620**	**32,450**	**709,070**
Health			
Pharmaceutical products	12,820		12,820
Medical services	6,680		6,680
Hospital services	5,570		5,570
Sub-total	**25,060**		**25,060**
Transport			
Motor cars	505,560		505,560
Bicycles	35,580		35,580
Spare parts and accessories for personal transport	80		80
Fuels and lubricants for personal transport	987,750		987,750
Maintenance and repair of personal transport	9,870		9,870
Other services in respect of personal transport	30,400	860	31,250
Passenger transport by road	63,470		63,470
Passenger transport by air	986,180	40,070	1,026,250
Passenger transport by sea	436,980	4,440	441,420
Other purchased transport services	8,050		8,050
Sub-total	**3,063,930**	**45,360**	**3,109,290**
Communication			
Telephone and telefax equipment	35,460		35,460
Telephone and telefax services	1,154,370	4,220	1,158,590
Sub-total	**1,189,830**	**4,220**	**1,194,050**
Recreation and culture			
Equipment for sound and picture	21,440		21,440
Photographic and cinematographic equipment	40		40
Information processing equipment	12,840		12,840
Recording media	660		660
Games, toys and hobbies	0		0
Equipment for sport, camping and open air recreation	60		60
Gardens, plants and flowers	13,960		13,960
Recreational and sporting services	440		440
Cultural services	23,940		23,940
Books	75,630	500	76,130
Newspapers and periodicals	570		570
Stationery and drawing materials	4,510		4,510
Sub-total	**154,090**	**500**	**154,590**

Education							
Pre- primary and primary education	6,120						6,120
Secondary education	109,490		3,090				112,580
Post- secondary Non-Tertiary education	7,020		11,080				18,100
Tertiary education	12,660		23,400				36,060
Educational program for adults	55,000						55,000
Sub-total	**190,290**		**37,570**				**227,860**
Restaurants and hotels							
Restaurants, cafes and the like	112,400		1,550	2,630			116,580
Accommodation services	16,930						16,930
Sub-total	**129,330**		**1,550**	**2,630**			**133,510**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	2,640						2,640
Other appliances, articles and products	555,920		16,800				572,720
Jewellery, clocks and watches	34,030						34,030
Other personal effects	2,270						2,270
Life insurance	190,050						190,050
Insurance connected with the dwelling	83,360						83,360
Insurance connected with health	6,140						6,140
Insurance connected with transport	11,870						11,870
Other financial services N.E.C.	5,670						5,670
Other services N.E.C.	3,090						3,090
Income in kind from employer						1,070	1,070
Sub-total	**895,030**		**16,800**			**1,070**	**912,900**
Non-Consumption & investment expenditure							
Taxes and fines			6,645,000				6,645,000
HH investment - land and home	2,870						2,870
HH investment - equipment	54,160						54,160
Sub-total	**57,030**		**6,645,000**				**6,702,030**
Total	**18,403,180**	**3,379,320**	**7,269,810**	**365,860**	**3,495,550**	**1,070**	**32,914,790**

Table 96: 'Eua HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	1,183,220	2,120	50,380	10,390			1,246,110
Meat	2,081,000	47,210	268,360	96,250			2,492,820
Fish and sea food	431,080	302,210	80,600	100,650			914,550
Milk, cheese and eggs	226,860		20,100				246,960
Oils and fats	222,080		6,980				229,060
Fruit	102,470	383,350	25,850	95,550			607,220
Vegetables	266,090	2,197,020	15,890	245,580			2,724,570
Sugar, jam, honey, chocolate and confect	207,510	3,660	7,580	90			218,840
Food products N.E.C.	116,850		9,890				126,740
Coffee, tea and cocoa	24,580						24,580
Mineral water, soft drinks	146,410		15,550				161,960
Sub-total	**5,008,130**	**2,935,570**	**501,180**	**548,510**			**8,993,390**
Alcoholic beverages, tobacco							
Spirits	178,350						178,350
Beer	33,120						33,120
Tobacco	313,270						313,270
Narcotics	219,060						219,060
Sub-total	**743,800**						**743,800**
Clothing and footwear							
Clothing Materials	10,970						10,970
Garments	67,220						67,220
Other articles of clothing	9,010						9,010
Cleaning, Repair	170						170
Shoes and other footwear	16,080						16,080
Sub-total	**103,450**						**103,450**
Housing, water, electricity, gas							
Imputed rentals of owner occupiers					2,998,810		2,998,810
Other actual rentals					436,290		436,290
Materials for the maintenance	70,080						70,080
Services for the maintenance	4,730						4,730
Water supply	282,560						282,560
Sewer collection and disposal	1,320						1,320
Other services relating to the dwelling	706,720						706,720
Electricity	215,300		840				216,140
Gas	40,010						40,010
Liquid fuels	10,400						10,400
Heat energy	2,810						2,810
Sub-total	**1,333,930**		**840**		**3,435,100**		**4,769,870**
Furnishings, HH equipment							
Furniture and furnishings	114,810						114,810
Carpets and other floor coverings	4,610						4,610
HH textiles	15,140						15,140
Major HH appliances	89,200						89,200

Small electric HH appliances	60		60
Glassware, tableware and HH utensiles	690		690
Major tools and equipment	9,350		9,350
Small tools and miscellaneous accessories	7,990		7,990
Non-durable HH goods	152,130	2,030	154,160
Domestic services and HH services	410		410
Sub-total	**394,380**	**2,030**	**396,420**
Health			
Pharmaceutical products	11,260	1,130	12,390
Medical services	880		880
Paramedical services	1,270		1,270
Hospital services	2,650		2,650
Sub-total	**16,050**	**1,130**	**17,180**
Transport			
Motor cars	1,398,650		1,398,650
Bicycles	7,970	1,430	9,400
Fuels and lubricants for personal transport	1,258,990	26,680	1,285,670
Maintenance and repair of personal transport	5,230		5,230
Other services in respect of personal transport	72,590		72,590
Passenger transport by road	149,110	910	150,020
Passenger transport by air	163,340		163,340
Passenger transport by sea	32,150		32,150
Other purchased transport services	2,930		2,930
Sub-total	**3,090,960**	**29,020**	**3,119,980**
Communication			
Telephone and telefax equipment	16,660		16,660
Telephone and telefax services	1,091,110		1,091,110
Sub-total	**1,107,770**		**1,107,770**
Recreation and culture			
Equipment for sound and picture	16,980		16,980
Information processing equipment	28,650		28,650
Games, toys and hobbies	1,210		1,210
Equipment for sport, camping and open air recreation	20		20
Recreational and sporting services	410		410
Cultural services	1,200		1,200
Games of chance	94,860		94,860
Books	28,130		28,130
Stationery and drawing materials	1,330		1,330
Sub-total	**172,790**		**172,790**
Education			
Pre- primary and primary education	2,210		2,210

Secondary education	87,560						87,560
Post- secondary Non-Tertiary education	2,530						2,530
Tertiary education	18,350						18,350
Educational program for adults	38,800						38,800
Sub-total	**149,450**						**149,450**
Restaurants and hotels							
Restaurants, cafes and the like	62,150		2,290	56,900			121,340
Accommodation services	14,240						14,240
Sub-total	**76,390**		**2,290**	**56,900**			**135,580**
Miscellaneous goods and services							
Hairdressing salons and personal grooming	2,510						2,510
Other appliances, articles and products	551,640		7,610				559,250
Jewellery, clocks and watches	4,150						4,150
Other personal effects	1,310						1,310
Life insurance	9,800						9,800
Insurance connected with the dwelling	3,920						3,920
Other financial services N.E.C.	23,100						23,100
Other services N.E.C.	19,310						19,310
Income in kind from employer						20,550	20,550
Sub-total	**615,740**		**7,610**			**20,550**	**643,890**
Non-Consumption & investment expenditure							
Current transfers in cash			2,779,710				2,779,710
Taxes and fines			5,690				5,690
HH investment - land and home	70,960						70,960
HH investment - equipment	29,160						29,160
Sub-total	**100,120**		**2,785,400**				**2,885,520**
Total	**12,912,960**	**2,935,570**	**3,329,490**	**605,420**	**3,435,100**	**20,550**	**23,239,090**

Table 97: Ongo Niua HH total expenditure, by COICOP division and class (TOP)

	Cash	Subsistence	Cash - gifts	Home produced - gifts	Imputed rents	Income in kind	Total
Food and non-alcoholic beverages							
Bread and cereals	324,810	510	2,360				327,680
Meat	347,880	900	21,920	34,440			405,140
Fish and sea food	299,870	140,880	11,120	13,030			464,900
Milk, cheese and eggs	32,820	640	290				33,740
Oils and fats	45,000						45,000
Fruit	490	211,220		13,320			225,030
Vegetables	14,960	413,670		14,340			442,970
Sugar, jam, honey, chocolate and confect	57,860	640	370				58,860
Food products N.E.C.	13,460		770				14,230
Coffee, tea and cocoa	1,730						1,730
Mineral water, soft drinks	23,050	6,330	350				29,720
Sub-total	**1,161,920**	**774,790**	**37,160**	**75,130**			**2,049,000**
Alcoholic beverages, tobacco							
Spirits	9,540						9,540
Beer	55,680						55,680
Tobacco	187,140						187,140
Narcotics	211,220						211,220
Sub-total	**463,580**						**463,580**
Clothing and footwear							
Clothing Materials	100						100
Garments	31,790						31,790
Other articles of clothing	120						120
Shoes and other footwear	32,350						32,350
Sub-total	**64,360**						**64,360**
Housing, water, electricity, gas							
Imputed rentals of owner occupiers					561,230		561,230
Other actual rentals					179,240		179,240
Materials for the maintenance	6,380						6,380
Water supply	65,490						65,490
Gas	26,730						26,730
Liquid fuels	148,360						148,360
Solid fuels	720						720
Heat energy	7,200						7,200
Sub-total	**254,880**				**740,470**		**995,350**
Furnishings, HH equipment							
Furniture and furnishings	7,860						7,860
Carpets and other floor coverings	860						860
HH textiles	310						310
Major HH appliances	25,890						25,890
Glassware, tableware and HH utensiles	300						300
Small tools and miscellaneous accessories	5,560						5,560
Non-durable HH goods	114,860		710				115,570

Domestic services and HH services	1,760			1,760
Sub-total	**157,390**	**710**		**158,100**
Transport				
Motor cars	469,010			469,010
Bicycles	19,960	730		20,700
Fuels and lubricants for personal transport	40			40
Maintenance and repair of personal transport	122,200			122,200
Other services in respect of personal transport	280			280
Passenger transport by road	9,580			9,580
Passenger transport by air	11,300	1,960		13,270
Passenger transport by sea	98,660			98,660
Other purchased transport services	46,700			46,700
Sub-total	**777,730**	**2,700**		**780,430**
Communication				
Telephone and telefax equipment	20			20
Telephone and telefax services	201,180			201,180
Sub-total	**201,200**			**201,200**
Recreation and culture				
Equipment for sound and picture	4,940			4,940
Photographic and cinematographic equipment	1,060			1,060
Information processing equipment	980			980
Games, toys and hobbies	20			20
Equipment for sport, camping and open air recreation	1,040			1,040
Books	5,610			5,610
Stationery and drawing materials	1,500			1,500
Sub-total	**15,140**			**15,140**
Education				
Pre- primary and primary education	260			260
Secondary education	18,290			18,290
Educational program for adults	360			360
Sub-total	**18,910**			**18,910**
Restaurants and hotels				
Restaurants, cafes and the like			800	800
Sub-total			**800**	**800**
Miscellaneous goods and services				
Other appliances, articles and products	132,620	1,710		134,330
Jewellery, clocks and watches	2,930			2,930
Other personal effects	15,880			15,880

Social protection	10,830						10,830
Insurance connected with the dwelling	4,620						4,620
Other financial services N.E.C.	520						520
Other services N.E.C.	5,790						5,790
Income in kind from employer						36,560	36,560
Sub-total	**173,200**		**1,710**			**36,560**	**211,470**
Non-Consumption & investment expenditure							
Current transfers in cash			906,170				906,170
HH investment - land and home	370						370
HH investment - equipment	36,580						36,580
Sub-total	**36,950**		**906,170**				**943,120**
Total	**3,325,250**	**774,790**	**948,450**	**75,930**	**740,470**	**36,560**	**5,901,440**

SECTION 5: HOUSEHOLD INCOME

In this section, we provide a summary of the main components of HH income in Tonga. The first subsection highlights some of the important facts relating to HH income that might otherwise be lost in the tabulations – the second subsection. The tabulations provide a set of agreed regionally standardised income tables.

1. Household income summary

This summary highlights the main elements of HH income and aims to present the main findings from the HIES. There is a multitude of opportunity for more in-depth analysis, including cross tabulation for more thematic studies, however it is beyond the scope of this report. Below we present the total, average and median annual HH and per capita income; the composition of HH income, by income category and type; and we provide a more in-depth analysis of the composition of main income categories.

2. Average and median income

National average annual HH income amounts to around TOP 32,530 (Table 98). This ranges from a low of around TOP 17,730 per HH per year in Ongo Niua up to 37,240 in Tongatapu (urban). To give a better understanding of the distribution of income among HHs, the median income – the income of the 50th percentile HH – is provided. The annual national median HH income is TOP 25,000, with a range of TOP 15,300 in Ongo Niua to TOP 29,800 in Tongatapu (urban). Outer island groups have lower average and median income than Tongatapu-based households and, in the case of Ongo Niua, around one-half lower.

Per capita annual income averages around TOP 5,890 (TOP 4,010 in Ongo Niua up to TOP 6,710 in Tongatapu (urban)), with a national median of TOP 4,370.

The difference between the average and the median is indicative of a degree of income inequality among the HHs, with higher earning HHs skewing the income distribution. This is discussed in more detail in Section 7.

Table 98: Total, average and median annual HH and per capita income, by strata (TOP)

	Total	HH		Per capita	
		Average	Median	Average	Median
Tongatapu - urban	152,920,970	37,240	29,800	6,710	4,820
Tongatapu - rural	305,289,260	34,580	27,090	6,000	4,440
Vava'u	74,171,150	27,190	21,140	5,420	4,080
Ha’apai	27,515,240	23,010	19,420	4,440	3,050
‘Eua	21,230,680	24,070	21,470	4,410	3,950
Ongo Niua	4,858,620	17,730	15,300	4,010	2,710
Total	**585,985,900**	**32,530**	**25,170**	**5,890**	**4,370**

Total HH income in Tonga amounts to around TOP 585 million per annum. Around three-quarters of total HH income is incurred by HHs on Tongatapu (26 and 52 percent in urban and rural Tongatapu, respectfully), with 13 percent from Vava’u, 5 percent from Ha’apai, 4 percent from ‘Eua and 1 percent from Ongo Niua.

3. Composition of household income

HH income is made up of different categories and types of income.

Income categories are broadly made up of: i) employment income; ii) capital income; iii) transfer income; iv) casual receipts; v) remittances and gifts; and vi) imputed rents. A detailed description of these income categories is provided in Appendix 1, however, they are briefly described below. The remittances mentioned in the HIES refer only to the cash remittances.

Employment income consists of employee related income (wages and salaries, bonuses, overtime and in-kind employee income, such as housing allowances, electricity, food and clothing), income associated with ownership of a HH managed

business (e.g., profit sharing, or dividend), income from cash generating primary activities (agriculture, fisheries, livestock, handicrafts and selling home-processed foods) and income from the consumption of home produced and consumed goods (subsistence).

Capital income relates to the generation of income from assets that the HH owns, which are categorised as home rental (receiving rent from dwellings that the HH owns) or land lease (receiving payments for the use of land that the HH owns) and other general capital income (interest on deposits or loans, and dividend from non-managed businesses).

Transfer income refers to receipts through social security, pension, superannuation or provident funds, child support (alimony), grants or scholarships, insurance claims and other.

Casual receipts refers to income from the sale of assets (e.g., motor vehicle), inheritance and gambling winnings.

Remittances and gifts refer to the receipt of cash gifts from domestic or foreign HHs and the receipt of home-produced food items.

Imputed rents mirror those that are reported in expenditure and are the income from the value of the services that an owner occupied HH derives.

Income types include: i) cash; ii) in-kind; iii) subsistence; iv) home produced gift; and imputed rents.

Cash income refers to income derived through a cash-based transition where cash is received by the HH. The cash could be in exchange for a good or service that the HH (or individuals within the HH) provides (e.g., wages and salaries), but it could be a cash receipt in exchange for no good or service (e.g., remittances). As long as the receipt is in the form of cash, the income type is cash.

In-kind income refers to income where a good or service is acquired in exchange for employee related services. Examples of this refer to when an employee is provided transportation or communication facilities under their employment arrangement, or where they receive free lunch at work.

Subsistence income is the net (as opposed to the gross, reported in expenditure) value of home produced and consumed goods. This is the value of the goods acquired (through harvest, catch, collection, etc.) and consumed by the HH less the intermediate expenses associated with their production.

Home produced gifts refer to the value of items that are home produced and gifted to another HH. This balances on the expenditure aggregates.

Imputed rents have already been defined above.

Below, we provide a breakdown of the composition of HH income by category and type.

Income category

By broad income category, employment income makes up 65 percent of total HH income and this is fairly consistent across all strata (ranging from 64 to 76 percent of total HH income by strata). Following this, remittances and gifts, and imputed rents, make up the large remainder of HH income (20 and 12 percent respectfully). Capital, transfer and casual income make up a small proportion of total HH income, each accounting for around 1 percent.

By income category, wages and salaries make up the large proportion of HH employment income category, accounting for 64 percent of total income within this category (ranging from 40 percent in ‘Eua to 73 percent in Tongatapu – urban). Agricultural activities (cash income from the sale of agricultural produce) makes up the next highest proportion of employment income, accounting for 10 percent nationally (ranging from 20 percent in Vava’u to 5 percent in Tongatapu – urban). Income from non-subsistence businesses (8 percent), handicrafts (8 percent) and subsistence (6 percent) make up the large remainder of employment income at a national level. Subsistence income in Vava’u, Ha’apai, ‘Eua and Ongo Niua make up between 20 and 14 percent of income within the employment income category for these strata.

Home rental accounts for 69 percent of national capital income, followed by land lease (23 percent). Capital income is only realised in Tongatapu (urban and rural), Vava’u and ‘Eua.

Three-quarters of transfer income is derived from pension and social security at a national level (ranging from 92 percent in Ha’apai to 68 percent in Tongatapu – rural). Within this category, scholarship income accounts for 32 percent in Tongatapu (rural).

Remittances alone account for 19 percent of total HH income (21 percent in Tongatapu – urban to 5 percent in Ongo Niua. Remittances make up the large majority (95 percent) of income within the remittances and gifts category.

Overall, the main items contributing to total HH income are wages and salaries (42 percent), remittances (19 percent), imputed rents (12 percent), agricultural income (6 percent) business income (5 percent). The significance of subsistence income and handicrafts income is high in the outer islands of Tonga.

Table 99: Composition of HH income, by income category and strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employment income							
Wages & salaries	49%	43%	32%	33%	30%	33%	42%
Bonus overtime	1%	1%	1%	1%	1%	0%	1%
Housing allowance	0%	0%	0%	0%	0%	0%	0%
Income in kind	0%	0%	0%	0%	0%	1%	0%
Non subsistence business	10%	4%	2%	1%	0%	0%	5%
Agriculture activities	2%	6%	12%	13%	13%	9%	6%
Fishing activities	1%	1%	1%	0%	0%	1%	1%
Livestock activities	0%	1%	1%	1%	1%	1%	0%
Handicraft activities	3%	4%	10%	7%	12%	16%	5%
Home production	1%	3%	9%	11%	13%	16%	4%
Sub-total	**66%**	**64%**	**68%**	**67%**	**71%**	**76%**	**65%**
Capital income							
home rental	1%	1%	0%	0%	0%	0%	1%
Land lease	1%	0%	0%	0%	0%	0%	0%
Other income from capital	0%	0%	0%	0%	0%	0%	0%
Sub-total	**2%**	**1%**	**0%**	**0%**	**0%**	**0%**	**1%**
Transfer income							
Pension & social benefit	1%	1%	1%	1%	0%	1%	1%
Scholarship	0%	0%	0%	0%	0%	0%	0%
other transfer income	0%	0%	0%	0%	0%	0%	0%
Sub-total	**1%**	**1%**	**1%**	**1%**	**0%**	**1%**	**1%**
Casual receipts							
Sale of assets	0%	1%	0%	0%	0%	0%	1%
Other casual income	0%	0%	0%	0%	0%	0%	0%
Sub-total	**0%**	**1%**	**0%**	**0%**	**0%**	**0%**	**1%**
Remittances and gifts							
Remittances	17%	21%	13%	18%	10%	5%	19%
Home produced gifts	0%	1%	3%	1%	3%	2%	1%
Sub-total	**18%**	**22%**	**16%**	**19%**	**12%**	**7%**	**20%**
Imputed rents							
imputed rents	13%	10%	14%	13%	16%	15%	12%
Sub-total	**13%**	**10%**	**14%**	**13%**	**16%**	**15%**	**12%**
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Income type

Cash income makes up 82 percent of total HH income, followed by imputed rents (12 percent) and subsistence (5 percent). This is fairly common across all strata, however subsistence makes up a higher proportion in the outer islands.

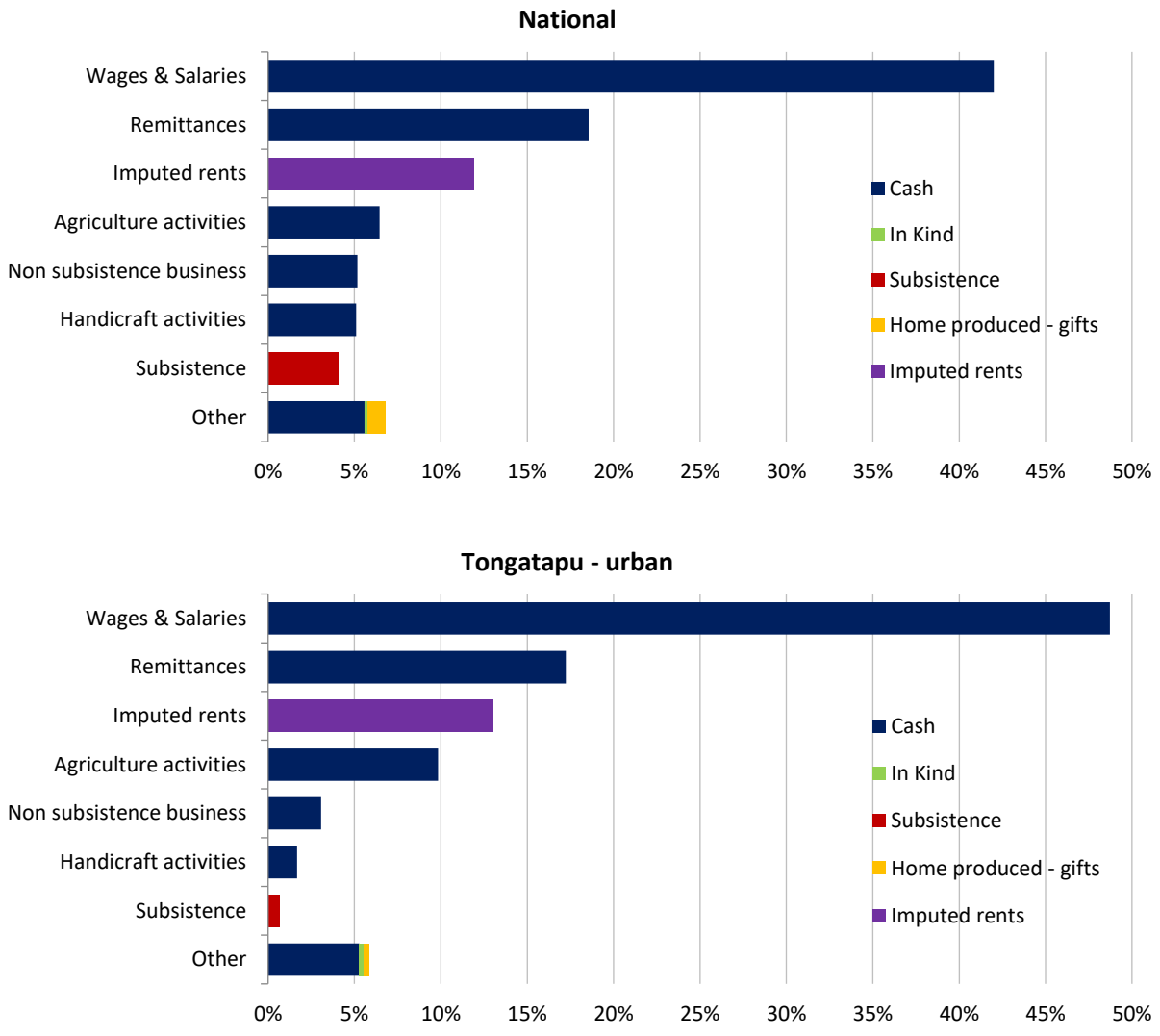
Table 100: Composition of HH income, by income type and strata

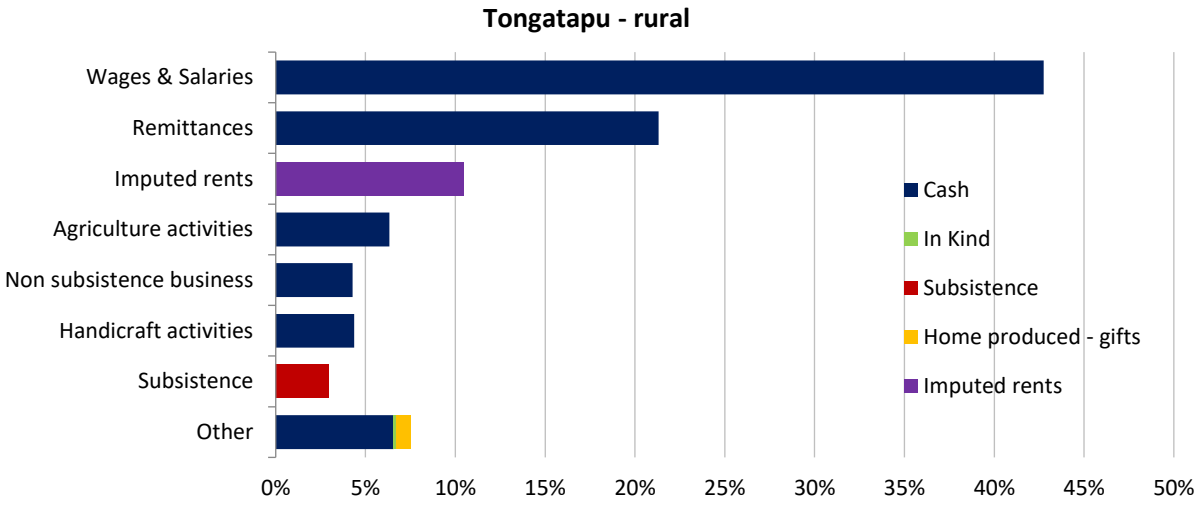
	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Cash	85%	84%	73%	74%	67%	66%	82%
In-kind	0%	0%	0%	0%	0%	1%	0%
Subsistence	1%	4%	10%	12%	14%	16%	5%
Home produced gifts	0%	1%	3%	1%	3%	2%	1%
Imputed rents	13%	10%	14%	13%	16%	15%	12%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

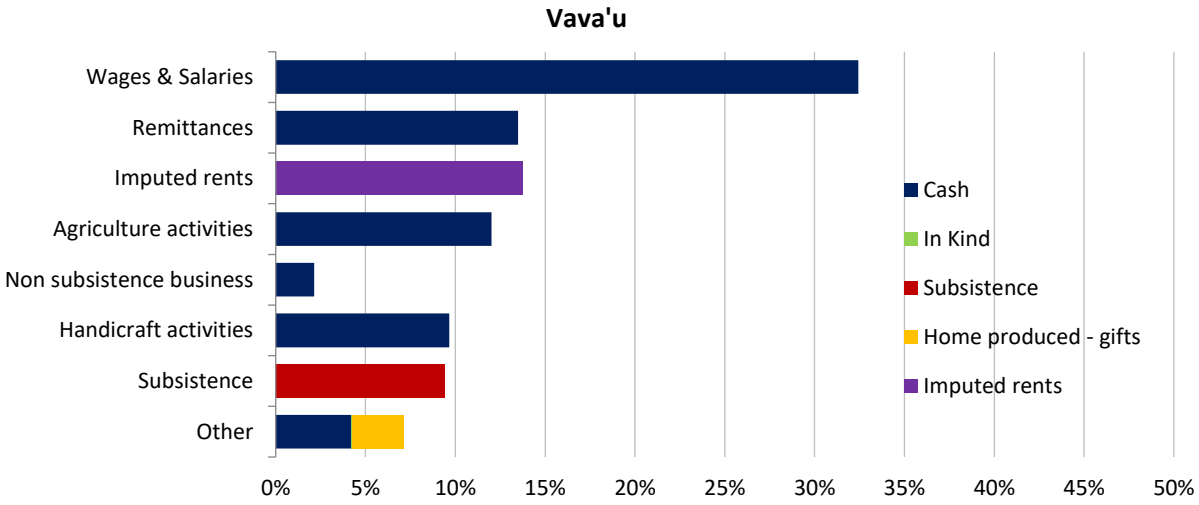
Income composition by category and type

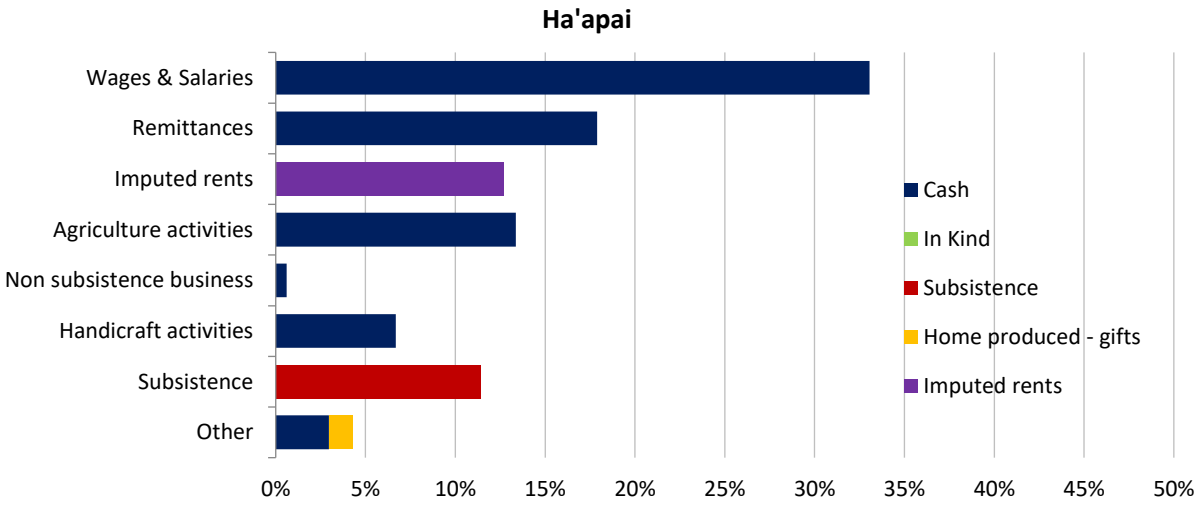
The below figures present the composition of income, by the top 7 highest contributing categories to total national income categories, and income type. The results are fairly intuitive and it can be seen that cash income is dominant in Tongatapu, however subsistence contributes more to income in the outer islands.

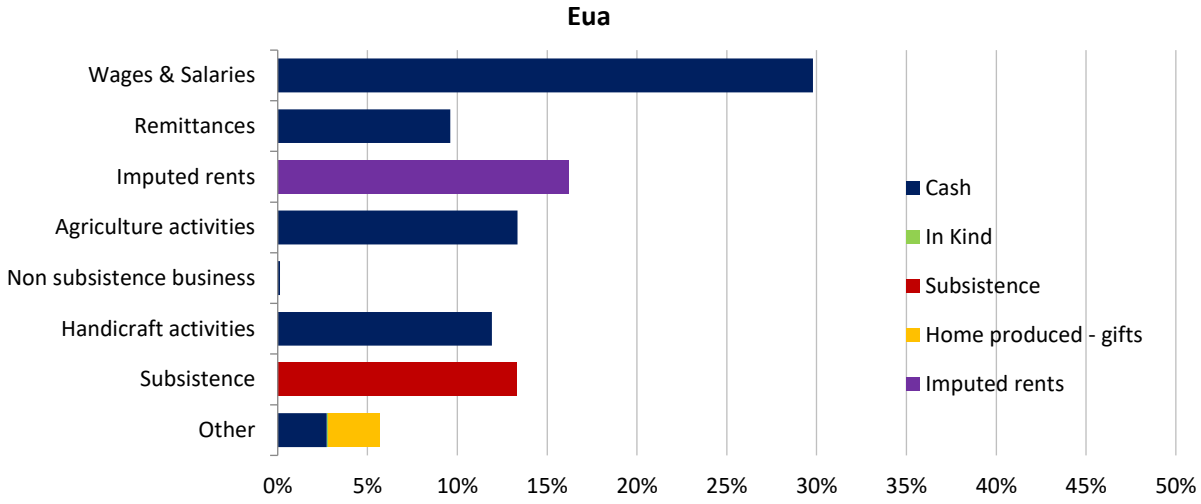
Figure 3: Composition of HH income, by income category and type

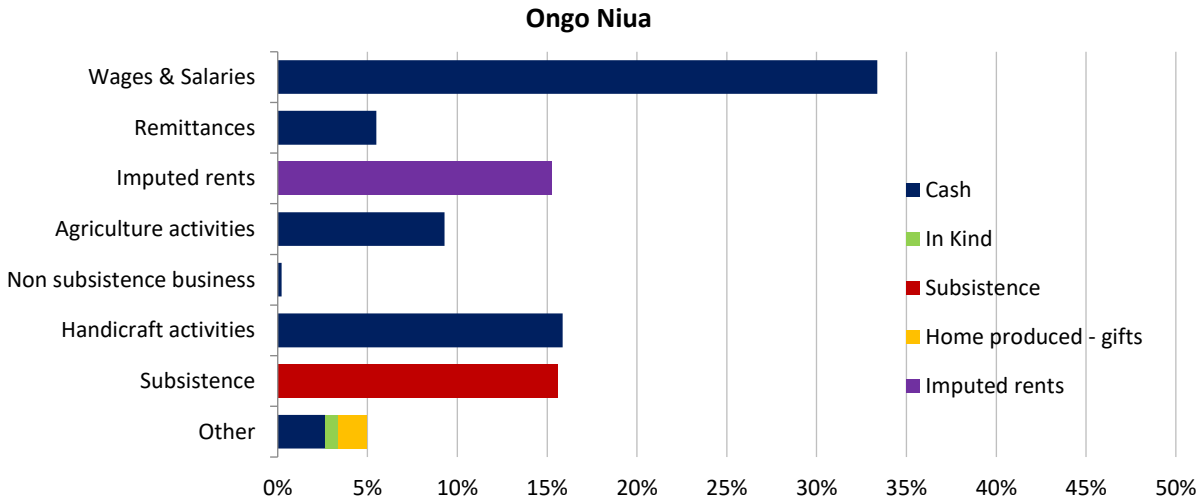



Tongatapu - rural
Wages & Salaries
Remittances
Imputed rents
Agriculture activities
Non subsistence business
Handicraft activities
Subsistence
Other
Cash
In Kind
Subsistence
Home produced - gifts
Imputed rents
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%


Vava'u
Wages & Salaries
Remittances
Imputed rents
Agriculture activities
Non subsistence business
Handicraft activities
Subsistence
Other
Cash
In Kind
Subsistence
Home produced - gifts
Imputed rents
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%


Ha'apai
Wages & Salaries
Remittances
Imputed rents
Agriculture activities
Non subsistence business
Handicraft activities
Subsistence
Other
Cash
In Kind
Subsistence
Home produced - gifts
Imputed rents
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%





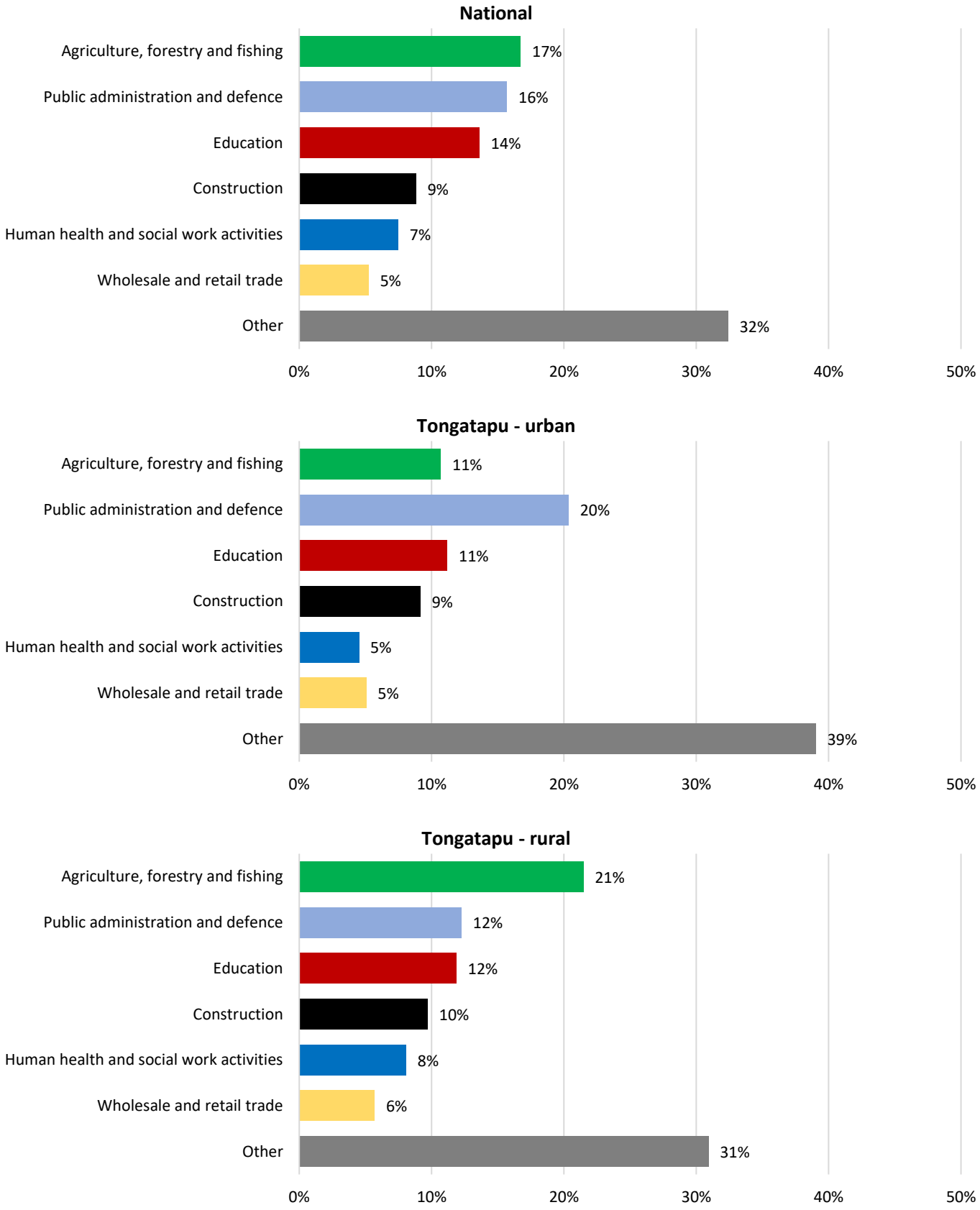
4. Income from wages and salaries

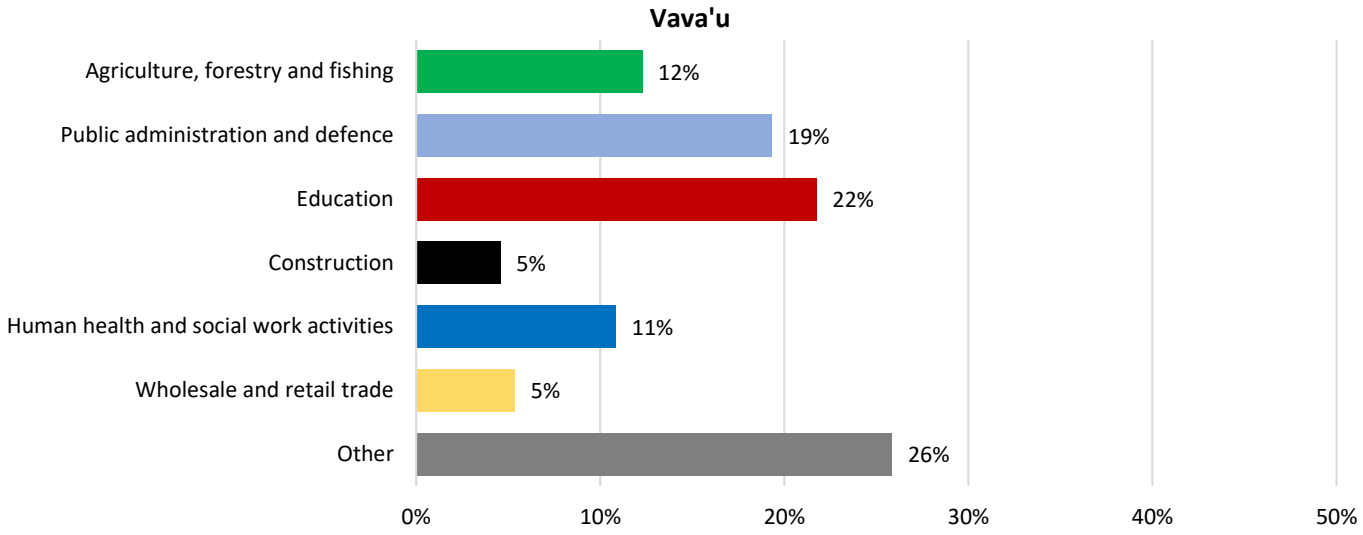
Wages and salaries (including bonuses and overtime, housing allowances and in-kind income) account for 43 percent of total HH income in Tonga (ranging from 50 percent in Tongatapu (urban) to 31 percent in 'Eua). Income from wages and salaries is classified according to the International Standard Industrial Classification of All Economic Activities (ISIC. Rev.4) and the International Standard Classification of Occupations (ISCO-08). The figures below present the proportion of total income derived from wages and salaries by ISIC Section (Figure 4) and ISCO Major Group (Figure 5).

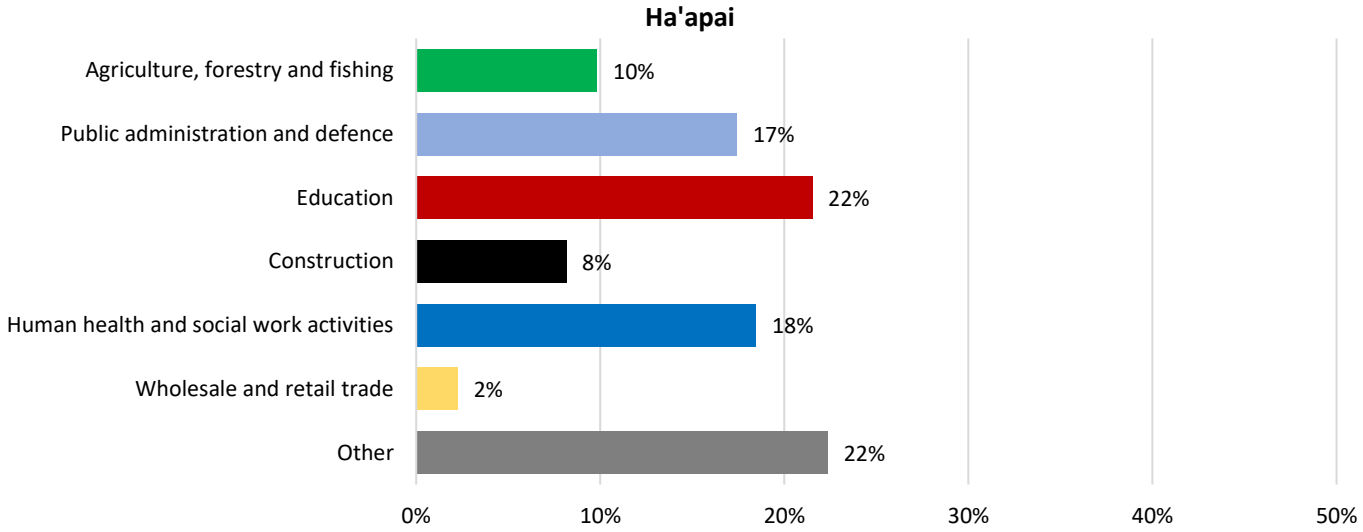
At a national level, the highest proportion of total income from salaries and wages – by industry – is derived from the Agriculture, forestry and fishing industry (17 percent of wages and salaries income), followed by Public administration (16 percent), Education (14 percent), Construction (9 percent) and Human health and social work activities (7 percent).

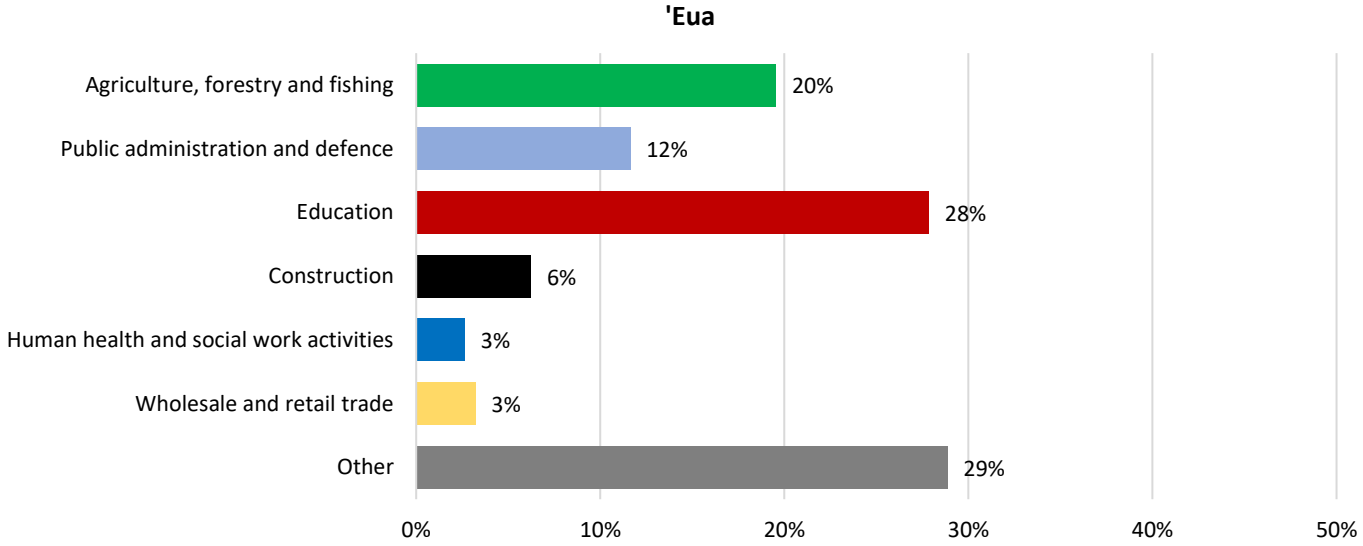
These trends, however, differ across strata. Public administration accounts for a higher proportion of income from salaries and wages in Tongatapu – urban (20 percent), while Agriculture, forestry and fishing is the most significant contributing industry in Tongatapu – rural (21 percent). In the outer islands, the Education industry contributes the highest proportion of salaries and wages income (22 percent in Vava'u and Ha'apai, 28 percent in 'Eua and 45 percent in Ongo Niua).

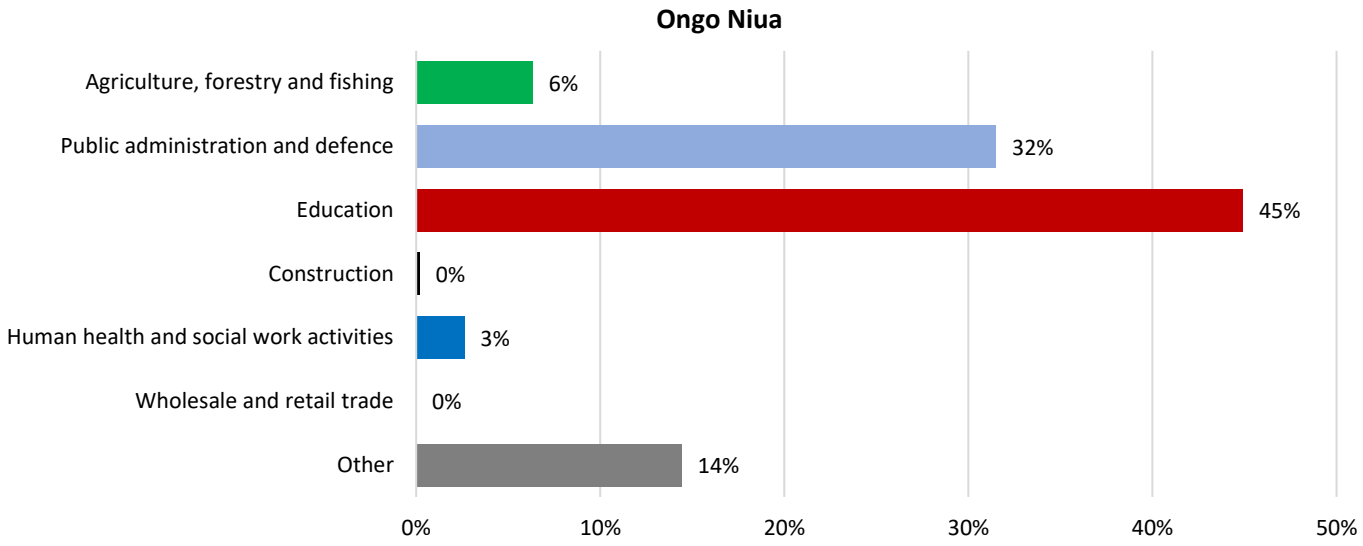
Figure 4: Proportion of total wages and salaries income, by industry and strata




Vava'u
Agriculture, forestry and fishing
12%
Public administration and defence
19%
Education
22%
Construction
5%
Human health and social work activities
11%
Wholesale and retail trade
5%
Other
26%
0%
10%
20%
30%
40%
50%

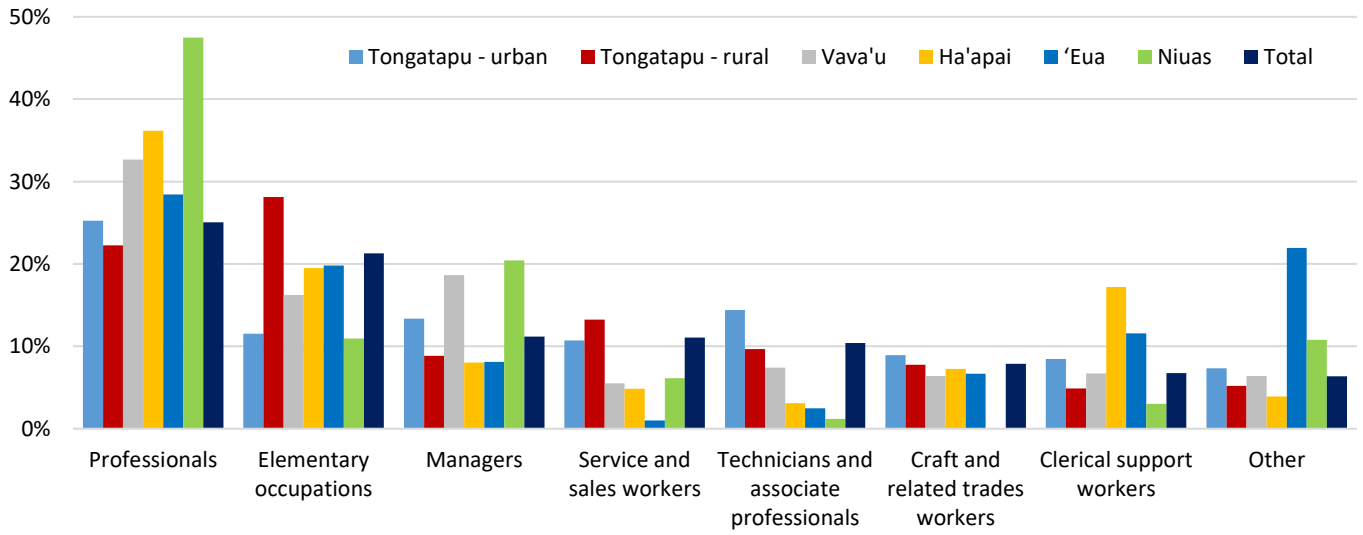

Ha'apai
Agriculture, forestry and fishing
10%
Public administration and defence
17%
Education
22%
Construction
8%
Human health and social work activities
18%
Wholesale and retail trade
2%
Other
22%
0%
10%
20%
30%
40%
50%


'Eua
Agriculture, forestry and fishing
20%
Public administration and defence
12%
Education
28%
Construction
6%
Human health and social work activities
3%
Wholesale and retail trade
3%
Other
29%
0%
10%
20%
30%
40%
50%



By occupation classification (ISCO Major Groups), Professional occupations[1] account for the highest proportion of total HH income from wages and salaries. This is true in all domains, with exception of Tongatapu (rural) where Elementary Occupations[2] account for a greater proportion of income from salaries and wages (Figure 5).

Figure 5: Proportion of total wages and salaries income, by occupation and strata



5. Income from remittances

Nationally, 95 percent of remittances are from overseas sources. In Tongatapu (urban) nearly 100 percent of remittances are derived from overseas sources, while in Ongo Niua, 30 percent of the total value of remittances is from local sources. Around 95 percent of the value of remittances received by HHs in Tongatapu (rural), Vava'u, Ha'apai and 'Eua are from overseas.

Remittances are mainly (88 percent nationally) received with the purpose of providing living support. Church gifts make up the next major purpose (7 percent). This trend is fairly consistent across all strata.

[1] *Professionals include: Science and Engineering, Health, Teaching, Business and Administration, Information and Communications Technology and Legal, Social and Cultural.*

[2] *Elementary occupations include: Cleaners and Helpers, Agricultural, Forestry and Fishery Labourers, Labourers in Mining, Construction, Manufacturing and Transport, Food Preparation Assistants, Street and Related Sales and Services Workers and Refuse Workers.*

6. Income from primary activities and subsistence

The following tables report the proportion of total cash income derived from the top 10 contributing agricultural, fisheries, livestock, home processed food and livelihood income. These industries collectively make up 13 percent of total HH income (ranking from 27 percent in 'Eua to 6 percent in Tongatapu-urban). The ranking of the top 10 items was done at the national level and there's a reasonable degree of consistency across all strata (table 99).

Nationally, Ta'ovala and kiekie (waist mat) is the most significant home produced and sold item, making up 13 percent of total cash income from agriculture, fisheries, livestock, home processed foods and handicrafts. Following this is the sale of mats (12 percent), the sale of kava (9 percent) and yam (8 percent).

In Vava'u and 'Eua, the sale of kava accounts for the highest proportion of income from these industries (32 and 27 percent, respectfully). In Ha'apai, the sale of hiapo accounts for 54 percent of income from these industries, while in 'Ongo Niua, mats is the most significant contributor (37 percent).

The top ten items account for more than three-quarters of total HH income from these industries, which is somewhat indicative of a relatively concentrated income source and high dependency on the below listed items for cash income.

Table 101: Proportion of total cash income from top 10 agriculture, fisheries, livestock and handicraft products, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Ta'ovala & kiekie (waist mat)	15%	13%	11%	11%	18%	21%	13%
Mats (floor)	14%	4%	28%	19%	6%	37%	12%
Kava	0%	0%	32%	0%	27%	0%	9%
Yam	2%	12%	5%	0%	2%	1%	8%
Tapioka	5%	10%	5%	2%	4%	0%	7%
Tapa (cloth)	3%	10%	0%	0%	15%	0%	7%
Sweet potato	4%	7%	3%	1%	3%	1%	5%
Pumpkin	10%	6%	0%	0%	0%	0%	4%
Hiapo	0%	0%	0%	54%	1%	0%	4%
Pig	2%	3%	1%	4%	2%	2%	2%
Total	**55%**	**67%**	**84%**	**92%**	**79%**	**61%**	**72%**

Looking at the proportion of subsistence income (accounting for 4 percent of total income and ranging from 16 percent in Ongo Niua to 1 percent in Tongatapu – urban), the below table lists the top 10 items and ranks them by contribution to total national income from subsistence. Again, it can be seen that there is a highly concentrated list of items (the top 10 make up around 90 percent of the value of items home produced and consumed across all stratum). This is indicative of the significant importance of these items for food security and nutrition in Tonga.

Yam (22 percent of total subsistence income), Tapioka (20 percent), Sweet potato (9 percent) make up the top three items and more than half of total subsistence income.

Table 102: Proportion of total subsistence income from top 10 products, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Yam	23%	26%	24%	5%	16%	7%	22%
Tapioka	18%	19%	16%	27%	25%	29%	20%
Sweet potato	7%	8%	9%	14%	12%	1%	9%
Banana	14%	5%	9%	15%	1%	0%	7%
Pig	8%	8%	5%	7%	8%	11%	7%
Taro	3%	4%	11%	3%	16%	8%	7%
Breadfruit	4%	7%	3%	4%	1%	12%	5%
Other vegetables	6%	6%	4%	4%	5%	8%	5%
Coconut	4%	7%	3%	2%	2%	1%	5%
Undifferentiated	2%	1%	3%	8%	5%	16%	3%
Total	**89%**	**91%**	**88%**	**89%**	**92%**	**93%**	**90%**

7. Income tables

Annual household income

Table 103: Annual national HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	246,115	-	-	-	-	246,115
Bonus overtime	6,145	-	-	-	-	6,145
Housing allow	715	-	-	-	-	715
Income in kind	-	1,013	-	-	-	1,013
Non subsistence business	29,893	-	-	-	-	29,893
Agriculture activities	37,767	-	-	-	-	37,767
Fishing activities	5,085	-	-	-	-	5,085
Livestock activities	2,922	-	-	-	-	2,922
Handicraft activities	30,331	-	-	-	-	30,331
Home production	-	-	23,702	-	-	23,702
Sub-total	**358,973**	**1,013**	**23,702**	-	-	**383,688**
Capital income						
Home rental	5,429	-	-	-	-	5,429
Land lease	1,561	-	-	-	-	1,561
Other income from capital	734	-	-	-	-	734
Sub-total	**7,723**	-	-	-	-	**7,723**
Transfer income						
Pension & social benefit	4,743	-	-	-	-	4,743
Scholarship	1,393	-	-	-	-	1,393
Other transfer income	84	-	-	-	-	84
Sub-total	**6,220**	-	-	-	-	**6,220**
Casual receipts						
Sale of assets	3,512	-	-	-	-	3,512
Other casual income	387	-	-	-	-	387
Sub-total	**3,899**	-	-	-	-	**3,899**
Remittances and gifts						
Remittances	108,673	-	-	-	-	108,673
Home produced gifts	-	-	-	6,035	-	6,035
Sub-total	**108,673**	-	-	**6,035**	-	**114,707**
Imputed rents						
Imputed rents	-	-	-	-	69,749	69,749
Sub-total	-	-	-	-	**69,749**	**69,749**
Total	**485,488**	**1,013**	**23,702**	**6,035**	**69,749**	**585,986**

Table 104: Annual urban HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	74,496	-	-	-	-	74,496
Bonus overtime	1,682	-	-	-	-	1,682
Housing allow	8	-	-	-	-	8
Income in kind	-	371	-	-	-	371
Non subsistence business	15,044	-	-	-	-	15,044
Agriculture activities	2,571	-	-	-	-	2,571
Fishing activities	1,047	-	-	-	-	1,047
Livestock activities	328	-	-	-	-	328
Handicraft activities	4,678	-	-	-	-	4,678
Home production	-	-	980	-	-	980
Sub-total	**99,854**	**371**	**980**	-	-	**101,205**
Capital income						
Home rental	2,088	-	-	-	-	2,088
Land lease	881	-	-	-	-	881
Other income from capital	146	-	-	-	-	146
Sub-total	**3,114**	-	-	-	-	**3,114**
Transfer income						
Pension & social benefit	1,184	-	-	-	-	1,184
Scholarship	26	-	-	-	-	26
Other transfer income	73	-	-	-	-	73
Sub-total	**1,283**	-	-	-	-	**1,283**
Casual receipts						
Sale of assets	477	-	-	-	-	477
Other casual income	132	-	-	-	-	132
Sub-total	**609**	-	-	-	-	**609**
Remittances and gifts						
Remittances	26,343	-	-	-	-	26,343
Home produced gifts	-	-	-	473	-	473
Sub-total	**26,343**	-	-	**473**	**-**	**26,816**
Imputed rents						
Imputed rents	-	-	-	-	19,894	19,894
Sub-total	-	-	-	-	**19,894**	**19,894**
Total	**131,203**	**371**	**980**	**473**	**19,894**	**152,921**

Table 105: Annual rural HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	171,619	-	-	-	-	171,619
Bonus overtime	4,463	-	-	-	-	4,463
Housing allow	707	-	-	-	-	707
Income in kind	-	642	-	-	-	642
Non subsistence business	14,849	-	-	-	-	14,849
Agriculture activities	35,196	-	-	-	-	35,196
Fishing activities	4,038	-	-	-	-	4,038
Livestock activities	2,594	-	-	-	-	2,594
Handicraft activities	25,653	-	-	-	-	25,653
Home production	-	-	22,722	-	-	22,722
Sub-total	**259,119**	**642**	**22,722**	-	-	**282,483**
Capital income						
Home rental	3,341	-	-	-	-	3,341
Land lease	680	-	-	-	-	680
Other income from capital	588	-	-	-	-	588
Sub-total	**4,609**	-	-	-	-	**4,609**
Transfer income						
Pension & social benefit	3,559	-	-	-	-	3,559
Scholarship	1,367	-	-	-	-	1,367
Other transfer income	11	-	-	-	-	11
Sub-total	**4,937**	-	-	-	-	**4,937**
Casual receipts						
Sale of assets	3,035	-	-	-	-	3,035
Other casual income	255	-	-	-	-	255
Sub-total	**3,290**	-	-	-	-	**3,290**
Remittances and gifts						
Remittances	82,330	-	-	-	-	82,330
Home produced gifts	-	-	-	5,562	-	5,562
Sub-total	**82,330**	-	-	**5,562**	-	**87,891**
Imputed rents						
Imputed rents	-	-	-	-	49,855	49,855
Sub-total	-	-	-	-	**49,855**	**49,855**
Total	**354,285**	**642**	**22,722**	**5,562**	**49,855**	**433,065**

Table 106: Annual Tongatapu HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	205,017	-	-	-	-	205,017
Bonus overtime	4,722	-	-	-	-	4,722
Housing allow	713	-	-	-	-	713
Income in kind	-	899	-	-	-	899
Non subsistence business	28,106	-	-	-	-	28,106
Agriculture activities	21,888	-	-	-	-	21,888
Fishing activities	4,464	-	-	-	-	4,464
Livestock activities	1,928	-	-	-	-	1,928
Handicraft activities	18,024	-	-	-	-	18,024
Home production	-	-	10,004	-	-	10,004
Sub-total	**284,863**	**899**	**10,004**	-	-	**295,766**
Capital income						
Home rental	5,375	-	-	-	-	5,375
Land lease	1,356	-	-	-	-	1,356
Other income from capital	625	-	-	-	-	625
Sub-total	**7,356**	-	-	-	-	**7,356**
Transfer income						
Pension & social benefit	3,888	-	-	-	-	3,888
Scholarship	1,307	-	-	-	-	1,307
Other transfer income	73	-	-	-	-	73
Sub-total	**5,267**	-	-	-	-	**5,267**
Casual receipts						
Sale of assets	3,246	-	-	-	-	3,246
Other casual income	387	-	-	-	-	387
Sub-total	**3,633**	-	-	-	-	**3,633**
Remittances and gifts						
Remittances	91,432	-	-	-	-	91,432
Home produced gifts	-	-	-	2,877	-	2,877
Sub-total	**91,432**	-	-	**2,877**	-	**94,309**
Imputed rents						
Imputed rents	-	-	-	-	51,879	51,879
Sub-total	-	-	-	-	**51,879**	**51,879**
Total	**392,551**	**899**	**10,004**	**2,877**	**51,879**	**458,210**

Table 107: Annual Tongatapu (urban) HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	74,496	-	-	-	-	74,496
Bonus overtime	1,682	-	-	-	-	1,682
Housing allow	7.7	-	-	-	-	7.7
Income in kind	-	371	-	-	-	371
Non subsistence business	15,044	-	-	-	-	15,044
Agriculture activities	2,571	-	-	-	-	2,571
Fishing activities	1,047	-	-	-	-	1,047
Livestock activities	328	-	-	-	-	328
Handicraft activities	4,678	-	-	-	-	4,678
Home production	-	-	980	-	-	980
Sub-total	**99,854**	**371**	**980**	-	-	**101,205**
Capital income						
Home rental	2,088	-	-	-	-	2,088
Land lease	881	-	-	-	-	881
Other income from capital	146	-	-	-	-	146
Sub-total	**3,114**	-	-	-	-	**3,114**
Transfer income						
Pension & social benefit	1,184	-	-	-	-	1,184
Scholarship	26	-	-	-	-	26
Other transfer income	73	-	-	-	-	73
Sub-total	**1,283**	-	-	-	-	**1,283**
Casual receipts						
Sale of assets	477	-	-	-	-	477
Other casual income	132	-	-	-	-	132
Sub-total	**609**	-	-	-	-	**609**
Remittances and gifts						
Remittances	26,343	-	-	-	-	26,343
Home produced gifts	-	-	-	473	-	473
Sub-total	**26,343**	-	-	**473**	-	**26,816**
Imputed rents						
Imputed rents	-	-	-	-	19,894	19,894
Sub-total	-	-	-	-	**19,894**	**19,894**
Total	**131,203**	**371**	**980**	**473**	**19,894**	**152,921**

Table 108: Annual Tongatapu (rural) HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	130,521	-	-	-	-	130,521
Bonus overtime	3,041	-	-	-	-	3,041
Housing allow	706	-	-	-	-	706
Income in kind	-	528	-	-	-	528
Non subsistence business	13,061	-	-	-	-	13,061
Agriculture activities	19,317	-	-	-	-	19,317
Fishing activities	3,418	-	-	-	-	3,418
Livestock activities	1,600	-	-	-	-	1,600
Handicraft activities	13,346	-	-	-	-	13,346
Home production	-	-	9,024	-	-	9,024
Sub-total	**185,010**	**528**	**9,024**	-	-	**194,561**
Capital income						
Home rental	3,287	-	-	-	-	3,287
Land lease	475	-	-	-	-	475
Other income from capital	479	-	-	-	-	479
Sub-total	**4,242**	-	-	-	-	**4,242**
Transfer income						
Pension & social benefit	2,704	-	-	-	-	2,704
Scholarship	1,281	-	-	-	-	1,281
Other transfer income	-	-	-	-	-	0
Sub-total	**3,984**	-	-	-	-	**3,984**
Casual receipts						
Sale of assets	2,769	-	-	-	-	2,769
Other casual income	255	-	-	-	-	255
Sub-total	**3,024**	-	-	-	-	**3,024**
Remittances and gifts						
Remittances	-	-	-	-	-	-
Home produced gifts	65,089	-	-	-	-	65,089
Sub-total	65,089	**-**	**-**	2,404	**-**	67,493
Imputed rents						
Imputed rents	-	-	-	-	31,984	31,984
Sub-total	-	-	-	-	**31,984**	**31,984**
Total	**261,349**	**528**	**9,024**	**2,404**	**31,984**	**305,288**

Table 109: Annual Vava'u HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	24,051	-	-	-	-	24,051
Bonus overtime	1,076	-	-	-	-	1,076
Housing allow	-	-	-	-	-	
Income in kind	-	56	-	-	-	56
Non subsistence business	1,581	-	-	-	-	1,581
Agriculture activities	8,916	-	-	-	-	8,916
Fishing activities	469	-	-	-	-	469
Livestock activities	407	-	-	-	-	407
Handicraft activities	7,168	-	-	-	-	7,168
Home production	-	-	6,975	-	-	6,975
Sub-total	**43,668**	**56**	**6,975**	-	-	**50,699**
Capital income						
Home rental	54	-	-	-	-	54
Land lease	205	-	-	-	-	205
Other income from capital	49	-	-	-	-	49
Sub-total	**308**	-	-	-	-	**308**
Transfer income						
Pension & social benefit	521	-	-	-	-	521
Scholarship	60	-	-	-	-	60
Other transfer income	-	-	-	-	-	
Sub-total	**581**	-	-	-	-	**581**
Casual receipts						
Sale of assets	262	-	-	-	-	262
Other casual income	-	-	-	-	-	
Sub-total	**262**	-	-	-	-	**262**
Remittances and gifts						
Remittances	10,011	-	-	-	-	10,011
Home produced gifts	-	-	-	2,110	-	2,110
Sub-total	**10,011**	-	-	**2,110**	-	**12,121**
Imputed rents						
Imputed rents	-	-	-	-	10,200	-
Sub-total	-	-	-	-	**10,200**	**-**
Total	**54,830**	**56**	**6,975**	**2,110**	**10,200**	**63,971**

Table 110: Annual Ha'apai HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	9,098		-	-	-	9,098
Bonus overtime	219		-	-	-	219
Income in kind	-	1.1	-	-	-	1.1
Non subsistence business	168		-	-	-	168
Agriculture activities	3,676		-	-	-	3,676
Fishing activities	69		-	-	-	69
Livestock activities	319		-	-	-	319
Handicraft activities	1,838		-	-	-	1,838
Home production	-		3,137	-	-	3,137
Sub-total	**15,387**	**1.1**	**3,137**	-	-	**18,526**
Transfer income						
Pension & social benefit	187	-	-	-	-	187
Scholarship	18	-	-	-	-	18
Sub-total	**205**	-	-	-	-	**205**
Remittances and gifts						
Remittances	4,923	-	-	-	-	4,923
Home produced gifts				366		366
Sub-total	**4,923**	-	-	**366**	-	**5,289**
Imputed rents						
imputed rents	-	-	-	-	3,496	3,496
Sub-total	-	-	-	-	**3,496**	**3,496**
Total	**20,515**	**1**	**3,137**	**366**	**3,496**	**27,516**

Table 111: Annual 'Eua HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	6,327	-	-	-	-	6,327
Bonus overtime	120	-	-	-	-	120
Income in kind	-	21	-	-	-	21
Non subsistence business	28	-	-	-	-	28
Agriculture activities	2,835	-	-	-	-	2,835
Fishing activities	57	-	-	-	-	57
Livestock activities	242	-	-	-	-	242
Handicraft activities	2,530	-	-	-	-	2,530
Home production	-	-	2,828	-	-	2,828
Sub-total	**12,140**	**21**	**2,828**	-	-	**14,989**
Capital income						
Other income from capital	59	-	-	-	-	59
Sub-total	**59**	-	-	-	-	**59**
Transfer income						
Pension & social benefit	90	-	-	-	-	90
Scholarship	8.4	-	-	-	-	8.4
Sub-total	**99**	-	-	-	-	**99**
Casual receipts						
Sale of assets	3.6	-	-	-	-	3.6
Sub-total	**3.6**	-	-	-	-	**3.6**
Remittances and gifts						
Remittances	2,040	-	-	-	-	2,040
Home produced gifts	-	-	-	605	-	605
Sub-total	**2,040**	-	-	**605**	-	**2,645**
Imputed rents						
imputed rents	-	-	-	-	3,435	3,435
Sub-total	-	-	-	-	**3,435**	**3,435**
Total	**14,342**	**21**	**2,828**	**605**	**3,435**	**21,231**

Table 112: Annual Ongo Niua HH income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,622	-	-	-	-	1,622
Bonus overtime	6.8	-	-	-	-	6.8
Housing allowance	1.2	-	-	-	-	1.2
Income in kind	-	37	-	-	-	37
Non subsistence business	11	-	-	-	-	11
Agriculture activities	452	-	-	-	-	452
Fishing activities	26	-	-	-	-	26
Livestock activities	26	-	-	-	-	26
Handicraft activities	770	-	-	-	-	770
Home production	-	-	757	-	-	757
Sub-total	**2,915**	**37**	**757**	-	-	**3,708**
Transfer income						
Pension & social benefit	57	-	-	-	-	57
other transfer income	11	-	-	-	-	11
Sub-total	**68**	-	-	-	-	**68**
Remittances and gifts						
Remittances	266	-	-		-	266
Home produced gifts	-	-	-	76	-	76
Sub-total	**266**	-	-	**76**	-	**342**
Imputed rents						
imputed rents	-	-	-	-	740	740
Sub-total	-	-	-	-	**740**	**740**
Total	**3,249**	**37**	**757**	**76**	**740**	**4,858**

Average annual household income

Table 113: Average annual HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	13,660	-	-	-	-	13,660
bonus overtime	340	-	-	-	-	340
housing allow	40	-	-	-	-	40
inc in kind	-	60	-	-	-	60
non subsistence business	1,660	-	-	-	-	1,660
agriculture activities	2,100	-	-	-	-	2,100
fishing activities	280	-	-	-	-	280
livestock activities	160	-	-	-	-	160
handicraft activities	1,680	-	-	-	-	1,680
home production	-	-	1,320	-	-	1,320
Sub-total	**19,930**	**60**	**1,320**	-	-	**21,300**
Capital income						
home rental	300	-	-	-	-	300
land lease	90	-	-	-	-	90
other income from capital	40	-	-	-	-	40
Sub-total	**430**	-	-	-	-	**430**
Transfer income						
pension & social benefit	260	-	-	-	-	260
scholarship	80	-	-	-	-	80
other transfer income	0	-	-	-	-	0
Sub-total	**350**	-	-	-	-	**350**
Casual receipts						
sale of assets	190	-	-	-	-	190
other casual income	20	-	-	-	-	20
Sub-total	**220**	-	-	-	-	**220**
Remittances and gifts		-	-	-	-	
remittances	6,030	-	-		-	6,030
home produced gifts	-	-	-	340	-	340
Sub-total	6,030	-	-	340	-	6,370
Imputed rents						
imputed rents	-	-	-	-	3,870	3,870
Sub-total	-	-	-	-	**3,870**	**3,870**
Total	**26,960**	**60**	**1,320**	**340**	**3,870**	**32,540**

Table 114: Average annual urban HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	18,140	-	-	-	-	18,140
bonus overtime	410	-	-	-	-	410
housing allow	0	-	-	-	-	0
inc in kind	-	90	-	-	-	90
non subsistence business	3,660	-	-	-	-	3,660
agriculture activities	630	-	-	-	-	630
fishing activities	250	-	-	-	-	250
livestock activities	80	-	-	-	-	80
handicraft activities	1,140	-	-	-	-	1,140
home production	-	-	240	-	-	240
Sub-total	**24,320**	**90**	**240**	-	-	**24,650**
Capital income						
home rental	510	-	-	-	-	510
land lease	210	-	-	-	-	210
other income from capital	40	-	-	-	-	40
Sub-total	**760**	-	-	-	-	**760**
Transfer income						
pension & social benefit	290	-	-	-	-	290
scholarship	10	-	-	-	-	10
other transfer income	20	-	-	-	-	20
Sub-total	**310**	-	-	-	-	**310**
Casual receipts						
sale of assets	120	-	-	-	-	120
other casual income	30	-	-	-	-	30
Sub-total	**150**	-	-	-	-	**150**
Remittances and gifts						
remittances	6,420	-	-	-	-	6,420
home produced gifts	-	-	-	120	-	120
Sub-total	6,420	-	-	120	-	6,530
Imputed rents						
imputed rents	-	-	-	-	4,850	4,850
Sub-total	-	-	-	-	**4,850**	**4,850**
Total	**31,950**	**90**	**240**	**120**	**4,850**	**37,240**

Table 115: Average annual rural HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	12,340	-	-	-	-	12,340
bonus overtime	320	-	-	-	-	320
housing allow	50	-	-	-	-	50
inc in kind	-	50	-	-	-	50
non subsistence business	1,070	-	-	-	-	1,070
agriculture activities	2,530	-	-	-	-	2,530
fishing activities	290	-	-	-	-	290
livestock activities	190	-	-	-	-	190
handicraft activities	1,840	-	-	-	-	1,840
home production	-	-	1,630	-	-	1,630
Sub-total	**18,630**	**50**	**1,630**	-	-	**20,310**
Capital income						
home rental	240	-	-	-	-	240
land lease	50	-	-	-	-	50
other income from capital	40	-	-	-	-	40
Sub-total	**330**	-	-	-	-	**330**
Transfer income						
pension & social benefit	260	-	-	-	-	260
scholarship	100	-	-	-	-	100
other transfer income	0	-	-	-	-	0
Sub-total	**350**	-	-	-	-	**350**
Casual receipts						
sale of assets	220	-	-	-	-	220
other casual income	20	-	-	-	-	20
Sub-total	**240**	-	-	-	-	**240**
Remittances and gifts						
remittances	5,920	-	-	-	-	5,920
home produced gifts	-	-	-	400	-	400
Sub-total	5,920	-	-	400	-	6,320
Imputed rents						
imputed rents	-	-	-	-	3,580	3,580
Sub-total	-	-	-	-	**3,580**	**3,580**
Total	**25,470**	**50**	**1,630**	**400**	**3,580**	**31,140**

Table 116: Average annual Tongatapu HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	15,850	-	-	-	-	15,850
Bonus overtime	370	-	-	-	-	370
Housing allow	60	-	-	-	-	60
Income in kind	-	70	-	-	-	70
Non subsistence business	2,170	-	-	-	-	2,170
Agriculture activities	1,690	-	-	-	-	1,690
Fishing activities	350	-	-	-	-	350
Livestock activities	150	-	-	-	-	150
Handicraft activities	1,390	-	-	-	-	1,390
Home production	-	-	770	-	-	770
Sub-total	**22,020**	**70**	**770**	-	-	**22,870**
Capital income						
Home rental	420	-	-	-	-	420
Land lease	100	-	-	-	-	100
Other income from capital	50	-	-	-	-	50
Sub-total	**570**	-	-	-	-	**570**
Transfer income						
Pension & social benefit	300	-	-	-	-	300
Scholarship	100	-	-	-	-	100
Other transfer income	10	-	-	-	-	10
Sub-total	**410**	-	-	-	-	**410**
Casual receipts						
Sale of assets	250	-	-	-	-	250
Other casual income	30	-	-	-	-	30
Sub-total	**280**	-	-	-	-	**280**
Remittances and gifts						
Remittances	7,070	-	-	-	-	7,070
Home produced gifts	-	-	-	220	-	220
Sub-total	**7,070**	-	-	**220**	-	**7,290**
Imputed rents						
Imputed rents	-	-	-	-	4,010	4,010
Sub-total	-	-	-	-	**4,010**	**4,010**
Total	**30,350**	**70**	**770**	**220**	**4,010**	**35,430**

Table 117: Average annual Tongatapu (urban) HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	18,140	-	-	-	-	18,140
Bonus overtime	410	-	-	-	-	410
Housing allow	0	-	-	-	-	0
Income in kind	-	90	-	-	-	90
Non subsistence business	3,660	-	-	-	-	3,660
Agriculture activities	630	-	-	-	-	630
Fishing activities	250	-	-	-	-	250
Livestock activities	80	-	-	-	-	80
Handicraft activities	1,140	-	-	-	-	1,140
Home production	-	-	240	-	-	240
Sub-total	**24,320**	**90**	**240**	-	-	**24,650**
Capital income						
Home rental	510	-	-	-	-	510
Land lease	210	-	-	-	-	210
Other income from capital	40	-	-	-	-	40
Sub-total	**760**	-	-	-	-	**760**
Transfer income						
Pension & social benefit	290	-	-	-	-	290
Scholarship	10	-	-	-	-	10
Other transfer income	20	-	-	-	-	20
Sub-total	**310**	-	-	-	-	**310**
Casual receipts						
Sale of assets	120	-	-	-	-	120
Other casual income	30	-	-	-	-	30
Sub-total	**150**	-	-	-	-	**150**
Remittances and gifts						
Remittances	6,420	-	-	-	-	6,420
Home produced gifts	-	-	-	120	-	120
Sub-total	**6,420**	-	-	**120**	-	**6,530**
Imputed rents						
Imputed rents	-	-	-	-	4,850	4,850
Sub-total	-	-	-	-	**4,850**	**4,850**
Total	**31,950**	**90**	**240**	**120**	**4,850**	**37,240**

Table 118: Average annual Tongatapu (rural) HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	14,780	-	-	-	-	14,780
Bonus overtime	340	-	-	-	-	340
Housing allow	80	-	-	-	-	80
Income in kind	-	60	-	-	-	60
Non subsistence business	1,480	-	-	-	-	1,480
Agriculture activities	2,190	-	-	-	-	2,190
Fishing activities	390	-	-	-	-	390
Livestock activities	180	-	-	-	-	180
Handicraft activities	1,510	-	-	-	-	1,510
Home production	-	-	1,020	-	-	1,020
Sub-total	**20,960**	**60**	**1,020**	-	-	**22,040**
Capital income						
Home rental	370	-	-	-	-	370
Land lease	50	-	-	-	-	50
Other income from capital	50	-	-	-	-	50
Sub-total	**480**	-	-	-	-	**480**
Transfer income						
Pension & social benefit	310	-	-	-	-	310
Scholarship	150	-	-	-	-	150
Other transfer income	-	-	-	-	-	0
Sub-total	**450**	-	-	-	-	**450**
Casual receipts						
Sale of assets	310	-	-	-	-	310
Other casual income	30	-	-	-	-	30
Sub-total	**340**	-	-	-	-	**340**
Remittances and gifts						
Remittances	-	-	-	-	-	-
Home produced gifts	7,370	-	-	-	-	7,370
Sub-total	**7,370**	-	-	**270**	**-**	**7,650**
Imputed rents						
Imputed rents	-	-	-	-	3,620	3,620
Sub-total	-	-	-	-	**3,620**	**3,620**
Total	**29,600**	**60**	**1,020**	**270**	**3,620**	**34,580**

Table 119: Average annual Vava'u HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	8,820	-	-	-	-	8,820
Bonus overtime	390	-	-	-	-	390
Housing allow	-	-	-	-	-	-
Income in kind	-	20	-	-	-	20
Non subsistence business	580	-	-	-	-	580
Agriculture activities	3,270	-	-	-	-	3,270
Fishing activities	170	-	-	-	-	170
Livestock activities	150	-	-	-	-	150
Handicraft activities	2,630	-	-	-	-	2,630
Home production	-	-	2,560	-	-	2,560
Sub-total	**16,010**	**20**	**2,560**	-	-	**18,580**
Capital income						
Home rental	20	-	-	-	-	20
Land lease	80	-	-	-	-	80
Other income from capital	20	-	-	-	-	20
Sub-total	**110**	-	-	-	-	**110**
Transfer income						
Pension & social benefit	190	-	-	-	-	190
Scholarship	20	-	-	-	-	20
Other transfer income	-	-	-	-	-	
Sub-total	**210**	-	-	-	-	**210**
Casual receipts						
Sale of assets	100	-	-	-	-	100
Other casual income	-	-	-	-	-	
Sub-total	**100**	-	-	-	-	**100**
Remittances and gifts						
Remittances	3,670	-	-	-	-	3,670
Home produced gifts	-	-	-	770	-	770
Sub-total	**3,670**	-	-	**770**	-	**4,440**
Imputed rents						
Imputed rents	-	-	-	-	3,740	-
Sub-total	-	-	-	-	**3,740**	-
Total	**20,100**	**20**	**2,560**	**770**	**3,740**	**23,450**

Table 120: Average annual Ha'apai HH income (TOP)

	Cash	In-kind	Subsistence	Home produced gifts	Imputed rents	Total
Employment income						
Wages & salaries	7,610	-	-	-	-	7,610
Bonus overtime	180	-	-	-	-	180
Income in kind	-	0	-	-	-	0
Non subsistence business	140	-	-	-	-	140
Agriculture activities	3,070	-	-	-	-	3,070
Fishing activities	60	-	-	-	-	60
Livestock activities	270	-	-	-	-	270
Handicraft activities	1,540	-	-	-	-	1,540
Home production	-	-	2,620	-	-	2,620
Sub-total	**12,870**	**0**	**2,620**	-	-	**15,490**
Transfer income				-	-	
Pension & social benefit	160	-	-	-	-	160
Scholarship	20	-	-	-	-	20
Sub-total	**170**	-	-	-	-	**170**
Remittances and gifts						
Remittances	4,120	-	-	-	-	4,120
Home produced gifts	-	-	-	310	-	310
Sub-total	**4,120**	-	-	**310**	-	**4,420**
Imputed rents						
imputed rents	**-**	-	-	-	2,920	2,920
Sub-total	-	-	-	-	**2,920**	**2,920**
Total	**17,150**	**0**	**2,620**	**310**	**2,920**	**23,010**

Table 121: Average annual 'Eua HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	7,180	-	-	-	-	7,180
Bonus overtime	140	-	-	-	-	140
Income in kind	-	20	-	-	-	20
Non subsistence business	30	-	-	-	-	30
Agriculture activities	3,220	-	-	-	-	3,220
Fishing activities	60	-	-	-	-	60
Livestock activities	270	-	-	-	-	270
Handicraft activities	2,870	-	-	-	-	2,870
Home production	-	-	3,210	-	-	3,210
Sub-total	**13,780**	**20**	**3,210**	-	-	**17,010**
Capital income						
Other income from capital	70	-	-	-	-	70
Sub-total	**70**	-	-	-	-	**70**
Transfer income						
Pension & social benefit	100	-	-	-	-	100
Scholarship	10	-	-	-	-	10
Sub-total	**110**	-	-	-	-	**110**
Casual receipts						
Sale of assets	0	-	-	-	-	0
Sub-total	**0**	-	-	-	-	**0**
Remittances and gifts						
Remittances	2,320	-	-	-	-	2,320
Home produced gifts	-	-	-	690	-	690
Sub-total	**2,320**	-	-	**690**	-	**3,000**
Imputed rents						
imputed rents	-	-	-	-	3,900	3,900
Sub-total	-	-	-	-	**3,900**	**3,900**
Total	**16,280**	**20**	**3,210**	**690**	**3,900**	**24,100**

Table 122: Average annual Ongo Niua HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	5,920	-	-	-	-	5,920
Bonus overtime	20	-	-	-	-	20
Housing allowance	0	-	-	-	-	0
Income in kind	-	140	-	-	-	140
Non subsistence business	40	-	-	-	-	40
Agriculture activities	1,650	-	-	-	-	1,650
Fishing activities	90	-	-	-	-	90
Livestock activities	90	-	-	-	-	90
Handicraft activities	2,810	-	-	-	-	2,810
Home production	-	-	2,760	-	-	2,760
Sub-total	**10,640**	**140**	**2,760**	-	-	**13,530**
Transfer income						
Pension & social benefit	210	-	-	-	-	210
other transfer income	40	-	-	-	-	40
Sub-total	**250**	-	-	-	-	**250**
Remittances and gifts						
Remittances	970	-	-	-	-	970
Home produced gifts	-	-	-	280	-	280
Sub-total	**970**	-	-	**280**	-	**1,250**
Imputed rents						
imputed rents	-	-	-	-	2,700	2,700
Sub-total	-	-	-	-	**2,700**	**2,700**
Total	**11,860**	**140**	**2,760**	**280**	**2,700**	**17,730**

Average annual per capita income

Table 123: Average annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	2,470	-	-	-	-	2,470
bonus overtime	60	-	-	-	-	60
housing allow	10	-	-	-	-	10
inc in kind	-	10	-	-	-	10
non subsistence business	300	-	-	-	-	300
agriculture activities	380	-	-	-	-	380
fishing activities	50	-	-	-	-	50
livestock activities	30	-	-	-	-	30
handicraft activities	300	-	-	-	-	300
home production	-	-	240	-	-	240
Sub-total	**3,610**	**10**	**240**	-	-	**3,850**
Capital income						
home rental	50	-	-	-	-	50
land lease	20	-	-	-	-	20
other income from capital	10	-	-	-	-	10
Sub-total	**80**	-	-	-	-	**80**
Transfer income						
pension & social benefit	50	-	-	-	-	50
scholarship	10	-	-	-	-	10
other transfer income	0	-	-	-	-	0
Sub-total	**60**	-	-	-	-	**60**
Casual receipts						
sale of assets	40	-	-	-	-	40
other casual income	0	-	-	-	-	0
Sub-total	**40**	-	-	-	-	**40**
Remittances and gifts						
remittances	1,090	-	-	-	-	1,090
home produced gifts	-	-	-	60	-	60
Sub-total	**1,090**	-	-	**60**	-	**1,150**
Imputed rents						
imputed rents	-	-	-	-	700	700
Sub-total	-	-	-	-	**700**	**700**
Total	**4,880**	**10**	**240**	**60**	**700**	**5,890**

Table 124: Average urban annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	10,800	-	-	-	-	10,800
bonus overtime	270	-	-	-	-	270
housing allow	30	-	-	-	-	30
inc in kind	-	40	-	-	-	40
non subsistence business	1,310	-	-	-	-	1,310
agriculture activities	1,660	-	-	-	-	1,660
fishing activities	220	-	-	-	-	220
livestock activities	130	-	-	-	-	130
handicraft activities	1,330	-	-	-	-	1,330
home production	-	-	1,040	-	-	1,040
Sub-total	**15,750**	**40**	**1,040**	-	-	**16,840**
Capital income						
home rental	240	-	-	-	-	240
land lease	70	-	-	-	-	70
other income from capital	30	-	-	-	-	30
Sub-total	**340**	-	-	-	-	**340**
Transfer income						
pension & social benefit	210	-	-	-	-	210
scholarship	60	-	-	-	-	60
other transfer income	0	-	-	-	-	0
Sub-total	**270**	-	-	-	-	**270**
Casual receipts						
sale of assets	150	-	-	-	-	150
other casual income	20	-	-	-	-	20
Sub-total	**170**	-	-	-	-	**170**
Remittances and gifts						
remittances	4,770	-	-	-	-	4,770
home produced gifts	-	-	-	260	-	260
Sub-total	**4,770**	-	-	**260**	-	**5,030**
Imputed rents						
imputed rents	-	-	-	-	3,060	3,060
Sub-total	-	-	-	-	**3,060**	**3,060**
Total	**21,300**	**40**	**1,040**	**260**	**3,060**	**25,710**

Table 125: Average rural annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	2,240	-	-	-	-	2,240
bonus overtime	60	-	-	-	-	60
housing allow	10	-	-	-	-	10
inc in kind	-	10	-	-	-	10
non subsistence business	190	-	-	-	-	190
agriculture activities	460	-	-	-	-	460
fishing activities	50	-	-	-	-	50
livestock activities	30	-	-	-	-	30
handicraft activities	330	-	-	-	-	330
home production	-	-	300	-	-	300
Sub-total	**3,380**	**10**	**300**	-	-	**3,680**
Capital income						
home rental	40	-	-	-	-	40
land lease	10	-	-	-	-	10
other income from capital	10	-	-	-	-	10
Sub-total	**60**	-	-	-	-	**60**
Transfer income						
pension & social benefit	50	-	-	-	-	50
scholarship	20	-	-	-	-	20
other transfer income	0	-	-	-	-	0
Sub-total	**60**	-	-	-	-	**60**
Casual receipts						
sale of assets	40	-	-	-	-	40
other casual income	0	-	-	-	-	0
Sub-total	**40**	-	-	-	-	**40**
Remittances and gifts						
remittances	1,070	-	-	-	-	1,070
home produced gifts	-	-	-	70	-	70
Sub-total	**1,070**	-	-	**70**	-	**1,150**
Imputed rents						
imputed rents	-	-	-	-	650	650
Sub-total	-	-	-	-	**650**	**650**
Total	**4,620**	**10**	**300**	**70**	**650**	**5,640**

Table 126: Average Tongatapu annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	2,780	-	-	-	-	2,780
Bonus overtime	60	-	-	-	-	60
Housing allow	10	-	-	-	-	10
Income in kind	-	10	-	-	-	10
Non subsistence business	380	-	-	-	-	380
Agriculture activities	300	-	-	-	-	300
Fishing activities	60	-	-	-	-	60
Livestock activities	30	-	-	-	-	30
Handicraft activities	240	-	-	-	-	240
Home production	-	-	140	-	-	140
Sub-total	**3,870**	**10**	**140**	-	-	**4,020**
Capital income						
Home rental	70	-	-	-	-	70
Land lease	20	-	-	-	-	20
Other income from capital	10	-	-	-	-	10
Sub-total	**100**	-	-	-	-	**100**
Transfer income						
Pension & social benefit	50	-	-	-	-	50
Scholarship	20	-	-	-	-	20
Other transfer income	0	-	-	-	-	0
Sub-total	**70**	-	-	-	-	**70**
Casual receipts						
Sale of assets	40	-	-	-	-	40
Other casual income	10	-	-	-	-	10
Sub-total	**50**	-	-	-	-	**50**
Remittances and gifts						
Remittances	1,240	-	-	-	-	1,240
Home produced gifts	-	-	-	40	-	40
Sub-total	**1,240**	-	-	**40**	-	**1,280**
Imputed rents						
Imputed rents	-	-	-	-	700	700
Sub-total	-	-	-	-	**700**	**700**
Total	**5,330**	**10**	**140**	**40**	**700**	**6,220**

Table 127: Average Tongatapu (urban) annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	3,270	-	-	-	-	3,270
Bonus overtime	70	-	-	-	-	70
Housing allow	0	-	-	-	-	0
Income in kind	-	20	-	-	-	20
Non subsistence business	660	-	-	-	-	660
Agriculture activities	110	-	-	-	-	110
Fishing activities	50	-	-	-	-	50
Livestock activities	10	-	-	-	-	10
Handicraft activities	210	-	-	-	-	210
Home production	-	-	40	-	-	40
Sub-total	**4,380**	**20**	**40**	-	-	**4,440**
Capital income						
Home rental	90	-	-	-	-	90
Land lease	40	-	-	-	-	40
Other income from capital	10	-	-	-	-	10
Sub-total	**140**	-	-	-	-	**140**
Transfer income						
Pension & social benefit	50	-	-	-	-	50
Scholarship	0	-	-	-	-	0
Other transfer income	0	-	-	-	-	0
Sub-total	60	-	-	-	-	60
Casual receipts						
Sale of assets	20	-	-	-	-	20
Other casual income	10	-	-	-	-	10
Sub-total	**30**	-	-	-	-	**30**
Remittances and gifts						
Remittances	1,160	-	-	-	-	1,160
Home produced gifts	-	-	-	20	-	20
Sub-total	**1,160**	-	-	**20**	-	**1,180**
Imputed rents						
Imputed rents	-	-	-	-	870	870
Sub-total	-	-	-	-	**870**	**870**
Total	**5,760**	**20**	**40**	**20**	**870**	**6,710**

Table 128: Average Tongatapu (rural) annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	2,570	-	-	-	-	2,570
Bonus overtime	60	-	-	-	-	60
Housing allow	10	-	-	-	-	10
Income in kind	-	10	-	-	-	10
Non subsistence business	260	-	-	-	-	260
Agriculture activities	380	-	-	-	-	380
Fishing activities	70	-	-	-	-	70
Livestock activities	30	-	-	-	-	30
Handicraft activities	260	-	-	-	-	260
Home production	-	-	180	-	-	180
Sub-total	**3,640**	**10**	**180**	-	-	**3,820**
Capital income						
Home rental	60	-	-	-	-	60
Land lease	10	-	-	-	-	10
Other income from capital	10	-	-	-	-	10
Sub-total	**80**	-	-	-	-	**80**
Transfer income						
Pension & social benefit	50	-	-	-	-	50
Scholarship	30	-	-	-	-	30
Other transfer income	-	-	-	-	-	0
Sub-total	**80**	-	-	-	-	**80**
Casual receipts						
Sale of assets	50	-	-	-	-	50
Other casual income	10	-	-	-	-	10
Sub-total	**60**	-	-	-	-	**60**
Remittances and gifts						
Remittances	-	-	-	-	-	
Home produced gifts	1,280	-	-	-	-	1,280
Sub-total	**1,280**	-	-	**50**	**-**	**1,330**
Imputed rents						
Imputed rents	-	-	-	-	630	630
Sub-total	-	-	-	-	**630**	**630**
Total	**5,140**	**10**	**180**	**50**	**630**	**6,000**

Table 129: Average Vava'u annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,760	-	-	-	-	1,760
Bonus overtime	80	-	-	-	-	80
Housing allow	-	-	-	-	-	
Income in kind	-	0	-	-	-	0
Non subsistence business	120	-	-	-	-	120
Agriculture activities	650	-	-	-	-	650
Fishing activities	30	-	-	-	-	30
Livestock activities	30	-	-	-	-	30
Handicraft activities	520	-	-	-	-	520
Home production	-	-	510	-	-	510
Sub-total	**3,190**	**0**	**510**	-	-	**3,710**
Capital income						
Home rental	0	-	-	-	-	0
Land lease	10	-	-	-	-	10
Other income from capital	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Transfer income						
Pension & social benefit	40	-	-	-	-	40
Scholarship	0	-	-	-	-	0
Other transfer income	-	-	-	-	-	
Sub-total	**40**	-	-	-	-	**40**
Casual receipts						
Sale of assets	20	-	-	-	-	20
Other casual income	-	-	-	-	-	
Sub-total	**20**	-	-	-	-	**20**
Remittances and gifts						
Remittances	730	-	-	-	-	730
Home produced gifts	-	-	-	150	-	150
Sub-total	**730**	-	-	**150**	-	**890**
Imputed rents						
Imputed rents	-	-	-	-	750	-
Sub-total	-	-	-	-	**750**	-
Total	**4,010**	**0**	**510**	**150**	**750**	**4,680**

Table 130: Average Ha'apai annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,470	-	-	-	-	1,470
Bonus overtime	40	-	-	-	-	40
Income in kind	-	0	-	-	-	0
Non subsistence business	30	-	-	-	-	30
Agriculture activities	590	-	-	-	-	590
Fishing activities	10	-	-	-	-	10
Livestock activities	50	-	-	-	-	50
Handicraft activities	300	-	-	-	-	300
Home production	-	-	510	-	-	510
Sub-total	**2,490**	**0**	**510**	-	-	**2,990**
Transfer income						
Pension & social benefit	30	-	-	-	-	30
Scholarship	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Remittances and gifts						
Remittances	800	-	-	-	-	800
Home produced gifts	-	-	-	60	-	60
Sub-total	**800**	-	-	**60**	-	**850**
Imputed rents						
imputed rents	-	-	-	-	560	560
Sub-total	-	-	-	-	**560**	**560**
Total	**3,310**	**0**	**510**	**60**	**560**	**4,450**

Table 131: Average 'Eua annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,310	-	-	-	-	1,310
Bonus overtime	20	-	-	-	-	20
Income in kind	-	0	-	-	-	0
Non subsistence business	10	-	-	-	-	10
Agriculture activities	590	-	-	-	-	590
Fishing activities	10	-	-	-	-	10
Livestock activities	50	-	-	-	-	50
Handicraft activities	530	-	-	-	-	530
Home production	-	-	590	-	-	590
Sub-total	**2,520**	**0**	**590**	-	-	**3,110**
Capital income						
Other income from capital	10	-	-	-	-	10
Sub-total	**10**	-	-	-	-	**10**
Transfer income						
Pension & social benefit	20	-	-	-	-	20
Scholarship	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Casual receipts						
Sale of assets	0	-	-	-	-	0
Sub-total	**0**	-	-	-	-	**0**
Remittances and gifts						
Remittances	420	-	-	-	-	420
Home produced gifts	-	-	-	130	-	130
Sub-total	**420**	-	-	**130**	-	**550**
Imputed rents						
imputed rents	-	-	-	-	710	710
Sub-total	-	-	-	-	**710**	**710**
Total	**2,980**	**0**	**590**	**130**	**710**	**4,410**

Table 132: Average Ongo Niua annual per capita income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,340	-	-	-	-	1,340
Bonus overtime	10	-	-	-	-	10
Housing allowance	0	-	-	-	-	0
Income in kind	-	30	-	-	-	30
Non subsistence business	10	-	-	-	-	10
Agriculture activities	370	-	-	-	-	370
Fishing activities	20	-	-	-	-	20
Livestock activities	20	-	-	-	-	20
Handicraft activities	640	-	-	-	-	640
Home production	-	-	620	-	-	620
Sub-total	**2,410**	**30**	**620**	-	-	**3,060**
Transfer income						
Pension & social benefit	50	-	-	-	-	50
other transfer income	10	-	-	-	-	10
Sub-total	**60**	-	-	-	-	**60**
Remittances and gifts						
Remittances	220	-	-	-	-	220
Home produced gifts	-	-	-	60	-	60
Sub-total	**220**	-	-	**60**	-	**280**
Imputed rents						
imputed rents	-	-	-	-	610	610
Sub-total	-	-	-	-	**610**	**610**
Total	**2,680**	**30**	**620**	**60**	**610**	**4,010**

Monthly household income

Table 133: Total HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	20,510	-	-	-	-	20,510
bonus overtime	512	-	-	-	-	512
housing allow	60	-	-	-	-	60
inc in kind	-	84	-	-	-	84
non subsistence business	2,491	-	-	-	-	2,491
agriculture activities	3,147	-	-	-	-	3,147
fishing activities	424	-	-	-	-	424
livestock activities	244	-	-	-	-	244
handicraft activities	2,528	-	-	-	-	2,528
home production	-	-	1,975	-	-	1,975
Sub-total	**29,914**	**84**	**1,975**	-	-	**31,974**
Capital income						
home rental	452	-	-	-	-	452
land lease	130	-	-	-	-	130
other income from capital	61	-	-	-	-	61
Sub-total	**644**	-	-	-	-	**644**
Transfer income						
pension & social benefit	395	-	-	-	-	395
scholarship	116	-	-	-	-	116
other transfer income	7	-	-	-	-	7
Sub-total	**518**	-	-	-	-	**518**
Casual receipts						
sale of assets	293	-	-	-	-	293
other casual income	32	-	-	-	-	32
Sub-total	**325**	-	-	-	-	**325**
Remittances and gifts						
remittances	9,056	-	-	-	-	9,056
home produced gifts	-	-	-	503	-	503
Sub-total	**9,056**	-	-	**503**	-	**9,559**
Imputed rents						
imputed rents	-	-	-	-	5,812	5,812
Sub-total	-	-	-	-	**5,812**	**5,812**
Total	**40,457**	**84**	**1,975**	**503**	**5,812**	**48,832**

Table 134: Total urban HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	6,208	-	-	-	-	6,208
bonus overtime	140	-	-	-	-	140
housing allow	1	-	-	-	-	1
inc in kind	-	31	-	-	-	31
non subsistence business	1,254	-	-	-	-	1,254
agriculture activities	214	-	-	-	-	214
fishing activities	87	-	-	-	-	87
livestock activities	27	-	-	-	-	27
handicraft activities	390	-	-	-	-	390
home production	-	-	82	-	-	82
Sub-total	**8,321**	**31**	**82**	-	-	**8,434**
Capital income						
home rental	174	-	-	-	-	174
land lease	73	-	-	-	-	73
other income from capital	12	-	-	-	-	12
Sub-total	**260**	-	-	-	-	**260**
Transfer income						
pension & social benefit	99	-	-	-	-	99
scholarship	2	-	-	-	-	2
other transfer income	6	-	-	-	-	6
Sub-total	**107**	-	-	-	-	**107**
Casual receipts						
sale of assets	40	-	-	-	-	40
other casual income	11	-	-	-	-	11
Sub-total	**51**	-	-	-	-	**51**
Remittances and gifts						
remittances	2,195	-	-	-	-	2,195
home produced gifts	-	-	-	39	-	39
Sub-total	**2,195**	-	-	**39**	-	**2,235**
Imputed rents						
imputed rents	-	-	-	-	1,658	1,658
Sub-total	-	-	-	-	**1,658**	**1,658**
Total	**10,934**	**31**	**82**	**39**	**1,658**	**12,743**

Table 135: Total rural HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	14,302	-	-	-	-	14,302
bonus overtime	372	-	-	-	-	372
housing allow	59	-	-	-	-	59
inc in kind	-	54	-	-	-	54
non subsistence business	1,237	-	-	-	-	1,237
agriculture activities	2,933	-	-	-	-	2,933
fishing activities	337	-	-	-	-	337
livestock activities	216	-	-	-	-	216
handicraft activities	2,138	-	-	-	-	2,138
home production	-	-	1,894	-	-	1,894
Sub-total	**21,593**	**54**	**1,894**	-	-	**23,540**
Capital income						
home rental	278	-	-	-	-	278
land lease	57	-	-	-	-	57
other income from capital	49	-	-	-	-	49
Sub-total	**384**	-	-	-	-	**384**
Transfer income						
pension & social benefit	297		-	-	-	297
scholarship	114		-	-	-	114
other transfer income	1	-	-	-	-	1
Sub-total	**411**	-	-	-	-	**411**
Casual receipts						
sale of assets	253	-	-	-	-	253
other casual income	21	-	-	-	-	21
Sub-total	**274**	-	-	-	-	**274**
Remittances and gifts						
remittances	6,861	-	-	-	-	6,861
home produced gifts	-	-	-	464	-	464
Sub-total	**6,861**	-	-	**464**	-	**7,324**
Imputed rents						
imputed rents	-	-	-	-	4,155	4,155
Sub-total	-	-	-	-	**4,155**	**4,155**
Total	**29,524**	**54**	**1,894**	**464**	**4,155**	**36,089**

Table 136: Total Tongatapu HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	17,085	-	-	-	-	17,085
Bonus overtime	394	-	-	-	-	394
Housing allow	59	-	-	-	-	59
Income in kind	-	75	-	-	-	75
Non subsistence business	2,342	-	-	-	-	2,342
Agriculture activities	1,824	-	-	-	-	1,824
Fishing activities	372	-	-	-	-	372
Livestock activities	161	-	-	-	-	161
Handicraft activities	1,502	-	-	-	-	1,502
Home production	-	-	834	-	-	834
Sub-total	**23,739**	**75**	**834**	-	-	**24,647**
Capital income						
Home rental	448	-	-	-	-	448
Land lease	113	-	-	-	-	113
Other income from capital	52	-	-	-	-	52
Sub-total	**613**	-	-	-	-	**613**
Transfer income						
Pension & social benefit	324	-	-	-	-	324
Scholarship	109	-	-	-	-	109
Other transfer income	6	-	-	-	-	6
Sub-total	**439**	-	-	-	-	**439**
Casual receipts						
Sale of assets	271	-	-	-	-	271
Other casual income	32	-	-	-	-	32
Sub-total	**303**	-	-	-	-	**303**
Remittances and gifts						
Remittances	7,619	-	-	-	-	7,619
Home produced gifts	-	-	-	240	-	240
Sub-total	**7,619**	-	-	**240**	-	**7,859**
Imputed rents						
Imputed rents	-	-	-	-	4,323	4,323
Sub-total	-	-	-	-	**4,323**	**4,323**
Total	**32,713**	**75**	**834**	**240**	**4,323**	**38,184**

Table 137: Total Tongatapu (urban) HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	6,208	-	-	-	-	6,208
Bonus overtime	140	-	-	-	-	140
Housing allow	1	-	-	-	-	1
Income in kind	-	31	-	-	-	31
Non subsistence business	1,254	-	-	-	-	1,254
Agriculture activities	214	-	-	-	-	214
Fishing activities	87	-	-	-	-	87
Livestock activities	27	-	-	-	-	27
Handicraft activities	390	-	-	-	-	390
Home production	-	-	82	-	-	82
Sub-total	**8,321**	**31**	**82**	-	-	**8,434**
Capital income						
Home rental	174	-	-	-	-	174
Land lease	73	-	-	-	-	73
Other income from capital	12	-	-	-	-	12
Sub-total	**260**	-	-	-	-	**260**
Transfer income						
Pension & social benefit	99	-	-	-	-	99
Scholarship	2	-	-	-	-	2
Other transfer income	6	-	-	-	-	6
Sub-total	**107**	-	-	-	-	**107**
Casual receipts						
Sale of assets	40	-	-	-	-	40
Other casual income	11	-	-	-	-	11
Sub-total	**51**	-	-	-	-	**51**
Remittances and gifts						
Remittances	2,195	-	-	-	-	2,195
Home produced gifts	-	-	-	39	-	39
Sub-total	**2,195**	-	-	**39**	-	**2,235**
Imputed rents						
Imputed rents	-	-	-	-	1,658	1,658
Sub-total	-	-	-	-	**1,658**	**1,658**
Total	**10,934**	**31**	**82**	**39**	**1,658**	**12,743**

Table 138: Total Tongatapu (rural) HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	10,877	-	-	-	-	10,877
Bonus overtime	253	-	-	-	-	253
Housing allow	59	-	-	-	-	59
Income in kind	-	44	-	-	-	44
Non subsistence business	1,088	-	-	-	-	1,088
Agriculture activities	1,610	-	-	-	-	1,610
Fishing activities	285	-	-	-	-	285
Livestock activities	133	-	-	-	-	133
Handicraft activities	1,112	-	-	-	-	1,112
Home production	-	-	752	-	-	752
Sub-total	**15,418**	**44**	**752**	-	-	**16,213**
Capital income						
Home rental	274	-	-	-	-	274
Land lease	40	-	-	-	-	40
Other income from capital	40	-	-	-	-	40
Sub-total	**354**	-	-	-	-	**354**
Transfer income						
Pension & social benefit	225	-	-	-	-	225
Scholarship	107	-	-	-	-	107
Other transfer income	-	-	-	-	-	0
Sub-total	**332**	-	-	-	-	**332**
Casual receipts						
Sale of assets	231	-	-	-	-	231
Other casual income	21	-	-	-	-	21
Sub-total	**252**	-	-	-	-	**252**
Remittances and gifts						
Remittances	-	-	-	-	-	
Home produced gifts	5,424	-	-	-	-	5,424
Sub-total	**5,424**	-	-	**200**	-	**5,624**
Imputed rents						
Imputed rents	-	-	-	-	2,665	2,665
Sub-total	-	-	-	-	**2,665**	**2,665**
Total	**21,779**	**44**	**752**	**200**	**2,665**	**25,441**

Table 139: Total Vava'u HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	2,004	-	-	-	-	2,004
Bonus overtime	90	-	-	-	-	90
Housing allow	-	-	-	-	-	
Income in kind	-	5	-	-	-	5
Non subsistence business	132	-	-	-	-	132
Agriculture activities	743	-	-	-	-	743
Fishing activities	39	-	-	-	-	39
Livestock activities	34	-	-	-	-	34
Handicraft activities	597	-	-	-	-	597
Home production	-	-	581	-	-	581
Sub-total	**3,639**	**5**	**581**	-	-	**4,225**
Capital income						
Home rental	5	-	-	-	-	5
Land lease	17	-	-	-	-	17
Other income from capital	4	-	-	-	-	4
Sub-total	**26**	-	-	-	-	**26**
Transfer income						
Pension & social benefit	43	-	-	-	-	43
Scholarship	5	-	-	-	-	5
Other transfer income	-	-	-	-	-	
Sub-total	**48**	-	-	-	-	**48**
Casual receipts						
Sale of assets	22	-	-	-	-	22
Other casual income	-	-	-	-	-	
Sub-total	**22**	-	-	-	-	**22**
Remittances and gifts						
Remittances	834	-	-	-	-	834
Home produced gifts	-	-	-	176	-	176
Sub-total	**834**	-	-	**176**	-	**1,010**
Imputed rents						
Imputed rents	-	-	-	-	850	-
Sub-total	-	-	-	-	**850**	-
Total	**4,569**	**5**	**581**	**176**	**850**	**5,331**

Table 140: Total Ha'apai HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	758	-	-	-	-	758
Bonus overtime	18	-	-	-	-	18
Income in kind	-	0	-	-	-	0
Non subsistence business	14	-	-	-	-	14
Agriculture activities	306	-	-	-	-	306
Fishing activities	6	-	-	-	-	6
Livestock activities	27	-	-	-	-	27
Handicraft activities	153	-	-	-	-	153
Home production	-	-	261	-	-	261
Sub-total	**1,282**	**0**	**261**	-	-	**1,544**
Transfer income						
Pension & social benefit	16	-	-	-	-	16
Scholarship	2	-	-	-	-	2
Sub-total	**17**	-	-	-	-	**17**
Remittances and gifts						
Remittances	410	-	-	-	-	410
Home produced gifts	-	-	-	31	-	31
Sub-total	**410**	-	-	**31**	-	**441**
Imputed rents						
imputed rents	-	-	-	-	291	291
Sub-total	-	-	-	-	**291**	**291**
Total	**1,710**	**0**	**261**	**31**	**291**	**2,293**

Table 141: Total 'Eua HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	527	-	-	-	-	527
Bonus overtime	10	-	-	-	-	10
Income in kind	-	2	-	-	-	2
Non subsistence business	2	-	-	-	-	2
Agriculture activities	236	-	-	-	-	236
Fishing activities	5	-	-	-	-	5
Livestock activities	20	-	-	-	-	20
Handicraft activities	211	-	-	-	-	211
Home production	-	-	236	-	-	236
Sub-total	**1,012**	**2**	**236**	-	-	**1,249**
Capital income						
Other income from capital	5	-	-	-	-	5
Sub-total	**5**	-	-	-	-	**5**
Transfer income						
Pension & social benefit	8	-	-	-	-	8
Scholarship	1	-	-	-	-	1
Sub-total	**8**	-	-	-	-	**8**
Casual receipts						
Sale of assets	0	-	-	-	-	0
Sub-total	**0**	-	-	-	-	**0**
Remittances and gifts						
Remittances	170	-	-	-	-	170
Home produced gifts	-	-	-	50	-	50
Sub-total	**170**	-	-	**50**	-	**220**
Imputed rents						
imputed rents	-	-	-	-	286	286
Sub-total	-	-	-	-	**286**	**286**
Total	**1,195**	**2**	**236**	**50**	**286**	**1,769**

Table 142: Total Ongo Niua HH monthly income (TOP '000)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	135	-	-	-	-	135
Bonus overtime	1	-	-	-	-	1
Housing allowance	0	-	-	-	-	0
Income in kind	-	3	-	-	-	3
Non subsistence business	1	-	-	-	-	1
Agriculture activities	38	-	-	-	-	38
Fishing activities	2	-	-	-	-	2
Livestock activities	2	-	-	-	-	2
Handicraft activities	64	-	-	-	-	64
Home production	-	-	63	-	-	63
Sub-total	**243**	**3**	**63**	-	-	**309**
Transfer income						
Pension & social benefit	5	-	-	-	-	5
other transfer income	1	-	-	-	-	1
Sub-total	**6**	-	-	-	-	**6**
Remittances and gifts						
Remittances	22	-	-	-	-	22
Home produced gifts	-	-	-	6	-	6
Sub-total	**22**	-	-	**6**	-	**29**
Imputed rents						
imputed rents	-	-	-	-	62	62
Sub-total	-	-	-	-	**62**	**62**
Total	**271**	**3**	**63**	**6**	**62**	**405**

Average monthly household income

Table 143: Average monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	1,140	-	-	-	-	1,140
bonus overtime	30	-	-	-	-	30
housing allow	0	-	-	-	-	0
inc in kind	-	0	-	-	-	0
non subsistence business	140	-	-	-	-	140
agriculture activities	170	-	-	-	-	170
fishing activities	20	-	-	-	-	20
livestock activities	10	-	-	-	-	10
handicraft activities	140	-	-	-	-	140
home production	-	-	110	-	-	110
Sub-total	**1,660**	**0**	**110**	-	-	**1,770**
Capital income						
home rental	30	-	-	-	-	30
land lease	10	-	-	-	-	10
other income from capital	0	-	-	-	-	0
Sub-total	**40**	-	-	-	-	**40**
Transfer income						
pension & social benefit	20	-	-	-	-	20
scholarship	10	-	-	-	-	10
other transfer income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Casual receipts						
sale of assets	20	-	-	-	-	20
other casual income	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Remittances and gifts						
remittances	500	-	-	-	-	500
home produced gifts	-	-	-	30	-	30
Sub-total	**500**	-	-	**30**	-	**530**
Imputed rents						
imputed rents	-	-	-	-	320	320
Sub-total	-	-	-	-	**320**	**320**
Total	**2,250**	**0**	**110**	**30**	**320**	**2,710**

Table 144: Average urban monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	1,510	-	-	-	-	1,510
bonus overtime	30	-	-	-	-	30
housing allow	0	-	-	-	-	0
inc in kind	-	10	-	-	-	10
non subsistence business	310	-	-	-	-	310
agriculture activities	50	-	-	-	-	50
fishing activities	20	-	-	-	-	20
livestock activities	10	-	-	-	-	10
handicraft activities	90	-	-	-	-	90
home production	-	-	20	-	-	20
Sub-total	**2,030**	**10**	**20**	-	-	**2,050**
Capital income						
home rental	40	-	-	-	-	40
land lease	20	-	-	-	-	20
other income from capital	0	-	-	-	-	0
Sub-total	**60**	-	-	-	-	**60**
Transfer income						
pension & social benefit	20	-	-	-	-	20
scholarship	0	-	-	-	-	0
other transfer income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Casual receipts						
sale of assets	10	-	-	-	-	10
other casual income	0	-	-	-	-	0
Sub-total	**10**	-	-	-	-	**10**
Remittances and gifts						
remittances	530	-	-	-	-	530
home produced gifts	-	-	-	10	-	10
Sub-total	530	-	-	10	-	540
Imputed rents						
imputed rents	-	-	-	-	400	400
Sub-total	-	-	-	-	**400**	**400**
Total	**2,660**	**10**	**20**	**10**	**400**	**3,100**

Table 145: Average rural monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
wages & salaries	1,030	-	-	-	-	1,030
bonus overtime	30	-	-	-	-	30
housing allow	0	-	-	-	-	0
inc in kind	-	0	-	-	-	0
non subsistence business	90	-	-	-	-	90
agriculture activities	210	-	-	-	-	210
fishing activities	20	-	-	-	-	20
livestock activities	20	-	-	-	-	20
handicraft activities	150	-	-	-	-	150
home production	-	-	140	-	-	140
Sub-total	**1,550**	**0**	**140**	-	-	**1,690**
Capital income						
home rental	20	-	-	-	-	20
land lease	0	-	-	-	-	0
other income from capital	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Transfer income						
pension & social benefit	20	-	-	-	-	20
scholarship	10	-	-	-	-	10
other transfer income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Casual receipts						
sale of assets	20	-	-	-	-	20
other casual income	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Remittances and gifts						
remittances	490	-	-	-	-	490
home produced gifts	-	-	-	30	-	30
Sub-total	**490**	-	-	**30**	-	**530**
Imputed rents						
imputed rents	-	-	-	-	300	300
Sub-total	-	-	-	-	**300**	**300**
Total	**2,120**	**0**	**140**	**30**	**300**	**2,590**

Table 146: Average Tongatapu monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,320	-	-	-	-	1,320
Bonus overtime	30	-	-	-	-	30
Housing allow	0	-	-	-	-	0
Income in kind	-	10	-	-	-	10
Non subsistence business	180	-	-	-	-	180
Agriculture activities	140	-	-	-	-	140
Fishing activities	30	-	-	-	-	30
Livestock activities	10	-	-	-	-	10
Handicraft activities	120	-	-	-	-	120
Home production	-	-	60	-	-	60
Sub-total	**1,840**	**10**	**60**	-	-	**1,910**
Capital income						
Home rental	30	-	-	-	-	30
Land lease	10	-	-	-	-	10
Other income from capital	0	-	-	-	-	0
Sub-total	**50**	-	-	-	-	**50**
Transfer income						
Pension & social benefit	30	-	-	-	-	30
Scholarship	10	-	-	-	-	10
Other transfer income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Casual receipts						
Sale of assets	20	-	-	-	-	20
Other casual income	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Remittances and gifts						
Remittances	590	-	-	-	-	590
Home produced gifts	-	-	-	20	-	20
Sub-total	**590**	-	-	**20**	-	**610**
Imputed rents						
Imputed rents	-	-	-	-	330	330
Sub-total	-	-	-	-	**330**	**330**
Total	**2,530**	**10**	**60**	**20**	**330**	**2,950**

Table 147: Average Tongatapu (urban) monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,510	-	-	-	-	1,510
Bonus overtime	30	-	-	-	-	30
Housing allow	0	-	-	-	-	0
Income in kind	-	10	-	-	-	10
Non subsistence business	310	-	-	-	-	310
Agriculture activities	50	-	-	-	-	50
Fishing activities	20	-	-	-	-	20
Livestock activities	10	-	-	-	-	10
Handicraft activities	90	-	-	-	-	90
Home production	-	-	20	-	-	20
Sub-total	**2,030**	**10**	**20**	-	-	**2,050**
Capital income						
Home rental	40	-	-	-	-	40
Land lease	20	-	-	-	-	20
Other income from capital	0	-	-	-	-	0
Sub-total	**60**	-	-	-	-	**60**
Transfer income						
Pension & social benefit	20	-	-	-	-	20
Scholarship	0	-	-	-	-	0
Other transfer income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Casual receipts						
Sale of assets	10	-	-	-	-	10
Other casual income	0	-	-	-	-	0
Sub-total	**10**	-	-	-	-	**10**
Remittances and gifts						
Remittances	530	-	-	-	-	530
Home produced gifts	-	-	-	10	-	10
Sub-total	**530**	-	-	**10**	-	**540**
Imputed rents						
Imputed rents	-	-	-	-	400	400
Sub-total	-	-	-	-	**400**	**400**
Total	**2,660**	**10**	**20**	**10**	**400**	**3,100**

Table 148: Average Tongatapu (rural) monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	1,230	-	-	-	-	1,230
Bonus overtime	30	-	-	-	-	30
Housing allow	10	-	-	-	-	10
Income in kind	-	0	-	-	-	0
Non subsistence business	120	-	-	-	-	120
Agriculture activities	180	-	-	-	-	180
Fishing activities	30	-	-	-	-	30
Livestock activities	20	-	-	-	-	20
Handicraft activities	130	-	-	-	-	130
Home production	-	-	90	-	-	90
Sub-total	**1,750**	**0**	**90**	-	-	**1,840**
Capital income						
Home rental	30	-	-	-	-	30
Land lease	0	-	-	-	-	0
Other income from capital	0	-	-	-	-	0
Sub-total	**40**	-	-	-	-	**40**
Transfer income						
Pension & social benefit	30	-	-	-	-	30
Scholarship	10	-	-	-	-	10
Other transfer income	-	-	-	-	-	0
Sub-total	**40**	-	-	-	-	**40**
Casual receipts						
Sale of assets	30	-	-	-	-	30
Other casual income	0	-	-	-	-	0
Sub-total	**30**	-	-	-	-	**30**
Remittances and gifts						
Remittances	-	-	-	-	-	
Home produced gifts	610	-	-	-	-	610
Sub-total	**610**	-	-	**20**	-	**640**
Imputed rents						
Imputed rents	-	-	-	-	300	300
Sub-total	-	-	-	-	**300**	**300**
Total	**2,470**	**0**	**90**	**20**	**300**	**2,880**

Table 149: Average Vava'u monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	730	-	-	-	-	730
Bonus overtime	30	-	-	-	-	30
Housing allow	-	-	-	-	-	
Income in kind	-	0	-	-	-	0
Non subsistence business	50	-	-	-	-	50
Agriculture activities	270	-	-	-	-	270
Fishing activities	10	-	-	-	-	10
Livestock activities	10	-	-	-	-	10
Handicraft activities	220	-	-	-	-	220
Home production	-	-	210	-	-	210
Sub-total	**1,330**	**0**	**210**	-	-	**1,550**
Capital income						
Home rental	0	-	-	-	-	0
Land lease	10	-	-	-	-	10
Other income from capital	0	-	-	-	-	0
Sub-total	**10**	-	-	-	-	**10**
Transfer income						
Pension & social benefit	20	-	-	-	-	20
Scholarship	0	-	-	-	-	0
Other transfer income	-	-	-	-	-	-
Sub-total	**20**	-	-	-	-	**20**
Casual receipts						
Sale of assets	10	-	-	-	-	10
Other casual income	-	-	-	-	-	-
Sub-total	**10**	-	-	-	-	**10**
Remittances and gifts						
Remittances	310	-	-	-	-	310
Home produced gifts	-	-	-	60	-	60
Sub-total	**310**	-	-	**60**	-	**370**
Imputed rents						
Imputed rents	-	-	-	-	310	-
Sub-total	-	-	-	-	**310**	-
Total	**1,680**	**0**	**210**	**60**	**310**	**1,950**

Table 150: Average Ha'apai monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	630	-	-	-	-	630
Bonus overtime	20	-	-	-	-	20
Income in kind	-	0	-	-	-	0
Non subsistence business	10	-	-	-	-	10
Agriculture activities	260	-	-	-	-	260
Fishing activities	0	-	-	-	-	0
Livestock activities	20	-	-	-	-	20
Handicraft activities	130	-	-	-	-	130
Home production	-	-	220	-	-	220
Sub-total	**1,070**	**0**	**220**	-	-	**1,290**
Transfer income						
Pension & social benefit	10	-	-	-	-	10
Scholarship	0	-	-	-	-	0
Sub-total	**10**	-	-	-	-	**10**
Remittances and gifts						
Remittances	340	-	-	-	-	340
Home produced gifts	-	-	-	30	-	30
Sub-total	**340**	-	-	**30**	-	**370**
Imputed rents						
imputed rents	-	-	-	-	240	240
Sub-total	-	-	-	-	**240**	**240**
Total	**1,430**	**0**	**220**	**30**	**240**	**1,920**

Table 151: Average ‘‘Eua monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	600	-	-	-	-	600
Bonus overtime	10	-	-	-	-	10
Income in kind	-	0	-	-	-	0
Non subsistence business	0	-	-	-	-	0
Agriculture activities	270	-	-	-	-	270
Fishing activities	10	-	-	-	-	10
Livestock activities	20	-	-	-	-	20
Handicraft activities	240	-	-	-	-	240
Home production	-	-	270	-	-	270
Sub-total	**1,150**	**0**	**270**	-	-	**1,420**
Capital income						
Other income from capital	10	-	-	-	-	10
Sub-total	**10**	-	-	-	-	**10**
Transfer income						
Pension & social benefit	10	-	-	-	-	10
Scholarship	0	-	-	-	-	0
Sub-total	**10**	-	-	-	-	**10**
Casual receipts						
Sale of assets	0	-	-	-	-	0
Sub-total	**0**	-	-	-	-	**0**
Remittances and gifts						
Remittances	190	-	-	-	-	190
Home produced gifts	-	-	-	60	-	60
Sub-total	**190**	-	-	**60**	-	**250**
Imputed rents						
imputed rents	-	-	-	-	320	320
Sub-total	-	-	-	-	**320**	**320**
Total	**1,360**	**0**	**270**	**60**	**320**	**2,010**

Table 152: Average Niusa monthly HH income (TOP)

	Cash	In Kind	Subsistence	Home produced - gifts	Imputed rents	Total
Employment income						
Wages & salaries	490	-	-	-	-	490
Bonus overtime	0	-	-	-	-	0
Housing allowance	0	-	-	-	-	0
Income in kind	-	10	-	-	-	10
Non subsistence business	0	-	-	-	-	0
Agriculture activities	140	-	-	-	-	140
Fishing activities	10	-	-	-	-	10
Livestock activities	10	-	-	-	-	10
Handicraft activities	230	-	-	-	-	230
Home production	-	-	230	-	-	230
Sub-total	**890**	**10**	**230**	-	-	**1,130**
Transfer income						
Pension & social benefit	20	-	-	-	-	20
other transfer income	0	-	-	-	-	0
Sub-total	**20**	-	-	-	-	**20**
Remittances and gifts						
Remittances	80	-	-	-	-	80
Home produced gifts	-	-	-	20	-	20
Sub-total	**80**	-	-	**20**	-	**100**
Imputed rents						
imputed rents	-	-	-	-	230	230
Sub-total	-	-	-	-	**230**	**230**
Total	**990**	**10**	**230**	**20**	**230**	**1,480**

Proportion of households receiving income, by income category and type

Table 153: Proportion of all HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	68%	-	-	-	-	68%
Bonus overtime	13%	-	-	-	-	13%
Housing allowance	0%	-	-	-	-	0%
Income in kind	-	4%	-	-	-	4%
Non-subsistence business	9%	-	-	-	-	9%
Agriculture activities	19%	-	-	-	-	19%
Fishing activities	4%	-	-	-	-	4%
Livestock activities	19%	-	-	-	-	19%
Handicraft activities	31%	-	-	-	-	31%
Home production		-	63%	-	-	63%
home rental	2%	-	-	-	-	2%
Land lease	1%	-	-	-	-	1%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefit	21%	-	-	-	-	21%
Scholarship	5%	-	-	-	-	5%
other transfer income	0%	-	-	-	-	0%
Sale of assets	3%	-	-	-	-	3%
Other casual income	1%	-	-	-	-	1%
Remittances	84%	-	-	-	-	84%
Home produced gifts	-	-	-	14%	-	14%
Imputed rents	-	-	-	-	98%	98%

Table 154: Proportion of urban HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	81%	-	-	-	-	81%
Bonus & overtime	16%	-	-	-	-	16%
Housing allowance	0%	-	-	-	-	0%
Income in-kind	-	75%		-	-	7%
Non-subsistence business	16%	-	-	-	-	16%
Agricultural activities	4%	-	-	-	-	4%
Fisheries activities	2%	-	-	-	-	2%
Livestock activities	7%	-	-	-	-	7%
Handicraft activities	17%	-	-	-	-	17%
Home production		-	27%	-	-	27%
Home rental	5%	-	-	-	-	5%
Land lease	2%	-	-	-	-	2%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefits	17%	-	-	-	-	17%
Scholarship	1%	-	-	-	-	1%
Other transfer income	0%	-	-	-	-	0%
Sale of assets	2%	-	-	-	-	2%
Other casual income	0%	-	-	-	-	0%
Remittances	83%	-	-	-	-	83%
Home produced gifts	-	-	-	6%	-	6%
Imputed rents	-	-	-	-	92%	92%

Table 155: Proportion of rural HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	64%	-	-	-	-	64%
Bonus & overtime	13%	-	-	-	-	13%
Housing allowance	1%	-	-	-	-	1%
Income in-kind	-	3%	-	-	-	3%
Non-subsistence business	7%	-	-	-	-	7%
Agricultural activities	23%	-	-	-	-	23%
Fisheries activities	5%	-	-	-	-	5%
Livestock activities	23%	-	-	-	-	23%
Handicraft activities	35%	-	-	-	-	35%
Home production		-	73%	-	-	73%
Home rental	1%	-	-	-	-	1%
Land lease	1%	-	-	-	-	1%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefits	22%	-	-	-	-	22%
Scholarship	6%	-	-	-	-	6%
Other transfer income	0%	-	-	-	-	0%
Sale of assets	3%	-	-	-	-	3%
Other casual income	1%	-	-	-	-	1%
Remittances	84%	-	-	-	-	84%
Home produced gifts	-	-	-	17%	-	17%
Imputed rents	-	-	-	-	99%	99%

Table 156: Proportion of Tongatapu HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	75%	-	-	-	-	75%
Bonus & overtime	15%	-	-	-	-	15%
Housing allowance	1%	-	-	-	-	1%
Income in-kind	-	4%	-	-	-	4%
Non-subsistence business	11%	-	-	-	-	11%
Agricultural activities	15%	-	-	-	-	15%
Fisheries activities	3%	-	-	-	-	3%
Livestock activities	17%	-	-	-	-	17%
Handicraft activities	27%	-	-	-	-	27%
Home production		-	56%	-	-	56%
Home rental	3%	-	-	-	-	3%
Land lease	1%	-	-	-	-	1%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefits	22%	-	-	-	-	22%
Scholarship	5%	-	-	-	-	5%
Other transfer income	0%	-	-	-	-	0%
Sale of assets	4%	-	-	-	-	4%
Other casual income	1%	-	-	-	-	1%
Remittances	88%	-	-	-	-	88%
Home produced gifts	-	-	-	11%	-	11%
Imputed rents	-	-	-	-	97%	97%

Table 157: Proportion of Tongatapu (urban) HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	81%	-	-	-	-	81%
Bonus overtime	16%	-	-	-	-	16%
Housing allowance	0%	-	-	-	-	0%
Income in-kind		7%	-	-	-	7%
Non-subsistence business	16%	-	-	-	-	16%
Agriculture activities	4%	-	-	-	-	4%
Fishing activities	2%	-	-	-	-	2%
Livestock activities	7%	-	-	-	-	7%
Handicraft activities	17%	-	-	-	-	17%
Home production		-	27%	-	-	27%
home rental	5%	-	-	-	-	5%
Land lease	2%	-	-	-	-	2%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefit	17%	-	-	-	-	17%
Scholarship	1%	-	-	-	-	1%
other transfer income	0%	-	-	-	-	0%
Sale of assets	2%	-	-	-	-	2%
Other casual income	0%	-	-	-	-	0%
Remittances	83%	-	-	-	-	83%
Home produced gifts	-	-	-	6%	-	6%
imputed rents	-	-	-	-	92%	92%

Table 158: Proportion of Tongatapu (rural) HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	72%	-	-	-	-	72%
Bonus overtime	14%	-	-	-	-	14%
Housing allowance	1%	-	-	-	-	1%
Income in-kind	-	3%	-	-	-	3%
Non-subsistence business	9%	-	-	-	-	9%
Agriculture activities	19%	-	-	-	-	19%
Fishing activities	3%	-	-	-	-	3%
Livestock activities	21%	-	-	-	-	21%
Handicraft activities	31%	-	-	-	-	31%
Home production		-	69%	-	-	69%
home rental	2%	-	-	-	-	2%
Land lease	1%	-	-	-	-	1%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefit	25%	-	-	-	-	25%
Scholarship	7%	-	-	-	-	7%
Sale of assets	5%	-	-	-	-	5%
Other casual income	2%	-	-	-	-	2%
Remittances	91%	-	-	-	-	91%
Home produced gifts	-	-	-	13%-	-	13%
imputed rents	-	-	-	-	99%	99%

Table 159: Proportion of Vava'u HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	54%	-	-	-	-	54%
Bonus overtime	12%	-	-	-	-	12%
Income in-kind	-	2%	-	-	-	2%
Non-subsistence business	5%	-	-	-	-	5%
Agriculture activities	33%	-	-	-	-	33%
Fishing activities	6%	-	-	-	-	6%
Livestock activities	19%	-	-	-	-	19%
Handicraft activities	37%	-	-	-	-	37%
Home production		-	76%	-	-	76%
home rental	1%	-	-	-	-	1%
Land lease	1%	-	-	-	-	1%
Other income from capital	0%	-	-	-	-	0%
Pension & social benefit	20%	-	-	-	-	20%
Scholarship	3%	-	-	-	-	3%
Sale of assets	1%	-	-	-	-	1%
Remittances	80%	-	-	-	-	80%
Home produced gifts	-	-	-	27%	-	27%
imputed rents	-	-	-	-	99%	99%

Table 160: Proportion of Ha'apai HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	54%	-	-	-	-	54%
Bonus overtime	6%	-	-	-	-	6%
Income in-kind	-	0%	-	-	-	0%
Non-subsistence business	6%	-	-	-	-	6%
Agriculture activities	22%	-	-	-	-	22%
Fishing activities	6%	-	-	-	-	6%
Livestock activities	29%	-	-	-	-	29%
Handicraft activities	26%	-	-	-	-	26%
Home production		-	87%	-	-	87%
Pension & social benefit	14%	-	-	-	-	14%
Scholarship	2%	-	-	-	-	2%
Remittances	88%	-	-	-	-	88%
Home produced gifts	-	-	-	17%	-	17%
imputed rents	-	-	-	-	100%	100%

Table 161: Proportion of 'Eua HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	42%	-	-	-	-	42%
Bonus overtime	7%	-	-	-	-	7%
Income in kind	-	1%	-	-	-	1%
Non subsistence business	1%	-	-	-	-	1%
Agriculture activities	33%	-	-	-	-	33%
Fishing activities	10%	-	-	-	-	10%
Livestock activities	44%	-	-	-	-	44%
Handicraft activities	65%	-	-	-	-	65%
Home production		-	89%	-	-	89%
Other income from capital	1%	-	-	-	-	1%
Pension & social benefit	11%	-	-	-	-	11%
Scholarship	3%	-	-	-	-	3%
Sale of assets	0%	-	-	-	-	0%
Remittances	29%	-	-	-	-	29%
Home produced gifts	-	-	-	25%	-	25%
imputed rents	-	-	-	-	100%	100%

Table 162: Proportion of Ongo Niua HHs receiving income, by category and type

	Cash	In-kind	Subsistence	Home produced - gifts	Imputed rents	Total
Wages & salaries	35%	-	-	-	-	35%
Bonus overtime	5%	-	-	-	-	5%
Housing allowance	5%	-	-	-	-	5%
Income in kind	-	11%	-	-	-	11%
Non subsistence business	1%	-	-	-	-	1%
Agriculture activities	34%	-	-	-	-	34%
Fishing activities	8%	-	-	-	-	8%
Livestock activities	22%	-	-	-	-	22%
Handicraft activities	56%	-	-	-	-	56%
Home production		-	93%	-	-	93%
Pension & social benefit	18%	-	-	-	-	18%
other transfer income	3%	-	-	-	-	3%
Remittances	64%	-	-	-	-	64%
Home produced gifts	-	-	-	20%	-	20%
imputed rents	-	-	-	-	100%	100%

SECTION 6: POPULATION PROFILE AND DWELLING CHARACTERISTICS

In this section, we present selected characteristics of the Tongan population and dwellings in which HHs inhabit. Tonga conducts 5-yearly population and housing census (PHC) – the most recent was in November 2016 – and the objective of HIES is not to collect comprehensive demographic and dwelling information. As such, this section is intended to be brief and serves to compare the HIES results with the 2016 census results so as to provide support for the robustness of the HIES data and to provide information that is relevant to HH income and expenditure.

1. Population profile

Tables 163 and 164 below we present the total population, by strata, and the total population by strata and gender, respectively. It can be seen that the population of the 2016 census – conducted in November 2016 – is almost the same as the mid-point population of the HIES (April 2016).

Table 163: 2015/2016 HIES and 2016 PHC population comparison, by strata

	2015/2016 HIES		2016 PHC		Difference %
Strata	**Persons**	**Distribution %**	**Persons**	**Distribution %**	
Tongatapu - urban	22,790	23%	22,704	23%	-0.4%
Tongatapu - rural	50,867	51%	51,046	51%	0.4%
Vava'u	13,678	14%	13,632	14%	-0.3%
Ha'apai	6,191	6%	6,085	6%	-1.7%
‘Eua	4,819	5%	4,918	5%	2.1%
Ongo Niua	1,212	1%	1,215	1%	0.2%
National	**99,557**	**100%**	**99,600**	**100%**	**0.0%**

The HIES population, by gender, differ by up to 8 percent in Ongo Niua, which can be explained by the small sample size in Ongo Niua (368 persons enumerated). Overall, the HIES population estimates are up to 8 percent different, by sex, than those reported in the 2016 PHC.

Table 164: 2015/2016 HIES and 2016 PHC population comparison, by sex and strata

	2015/2016 HIES		2016 PHC		Difference male %	Difference female %
Strata	**Male**	**Female**	**Male**	**Female**		
Tongatapu - urban	11,270	11,520	11,153	11492	-1.0%	-0.2%
Tongatapu - rural	25,408	25,459	25,394	25711	-0.1%	1.0%
Vava'u	6,607	7,071	6,792	6840	2.8%	-3.3%
Ha'apai	3,007	3,184	3,086	2999	2.6%	-5.8%
‘Eua	2,377	2,442	2,459	2459	3.5%	0.7%
Ongo Niua	595	617	641	574	7.7%	-7.0%
National	**49,263**	**50,294**	**49,525**	**50,075**	**0.5%**	**-0.4%**

The HIES population estimates presented in the above tables is the population that were used in the computation of all per capita income and expenditure estimates.

Comparing the age structure of the population, by strata and sex, demonstrates that the extrapolated HIES results reflect the population structure of Tonga (Figure 6). The population pyramids in the below figure present the HIES population structure, by age group and sex, with the 2016 PHC population structure overlaid to show the difference between the HIES estimates and the population. It can be seen that the overall population structure, extrapolated from the HIES results, closely represents that of the 2016 PHC. Nationally, the population structure is highly representative, with a few age groups (especially for females) showing under or over estimation. These differences are exemplified as the population structure is disaggregated by urban, rural and strata, especially in stratum with a relatively smaller sample size, such as Ha’apai, ‘Eua and Ongo Niua. Despite the differences within specific (and relatively small) age groups, the overall population structure estimated from HIES, by strata, is considered to be sufficiently representative of the Tongan population, providing support for the robustness of the aggregated income and expenditure data.

Figure 6: 2015/2016 HIES and 2016 PHC population age structure comparison, by sex

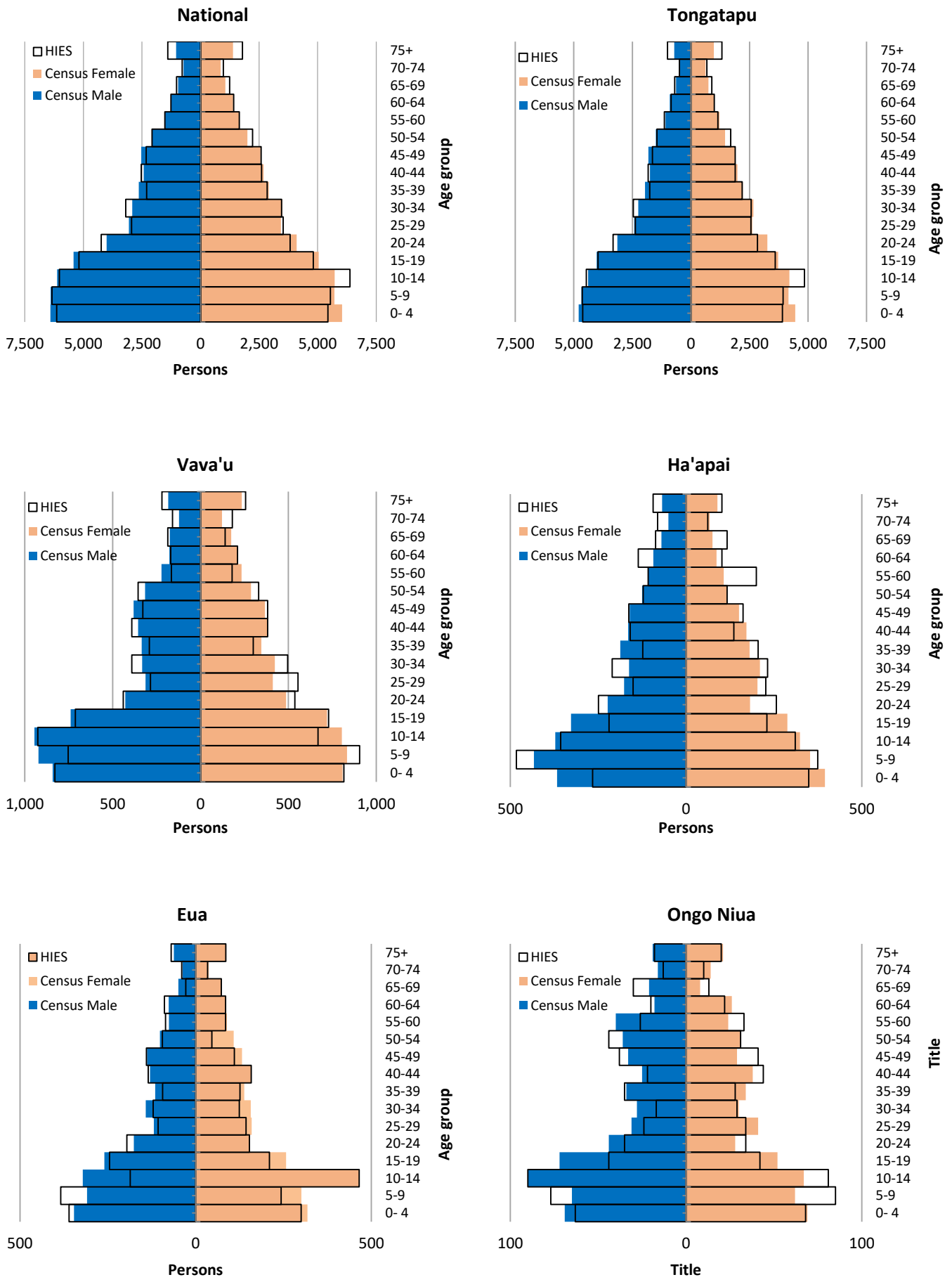


Table 165: 2015/2016 HIES and 2016 PHC population characteristics, by strata

	Average HH size		Sex ratio		Dependency ratio		Median age	
	HIES	PHC	HIES	PHC	HIES	PHC	HIES	PHC
Tongatapu - urban	5.6	5.5	98	97	63	66	22	23
Tongatapu - rural	5.8	5.8	100	99	81	75	21	21
Vava'u	5.0	5.0	93	99	79	83	21	21
Ha'apai	5.2	5.2	94	103	77	78	24	22
‘Eua	5.5	5.6	97	100	89	83	20	20
Ongo Niua	4.4	4.5	96	112	88	75	23	24
National	**5.5**	**5.5**	**98**	**99**	**76**	**74**	**22**	**21**

To further add to the comparison of population structure, Table 165 (above) shows the characteristics of the population: average HH size, sex ratio, dependency ratio and the median age. At a national level, the extrapolated HIES results for all of these demographic indicators closely correlate with those from the 2016 PHC. Table 165 shows that, at the national level, there are 98 males for every 100 females, and the PHC shows that the ratio is 99 male for 100. With greater disaggregation of the HIES data, the difference between the sex ratio increases.

All other variables closely correspond with those from the PHC. HIES generated a national estimated average HH size (ranging from an average of 4.4 persons per HH in Ongo Niua to 5.8 in Tongatapu rural). The dependency ratio – the number of persons not typically in the labour force (aged 0 to 14 and 65+) for every 100 persons typically in the labour force (15 to 64 years) – is estimated to be 76 at the national level (ranging from 63 in Tongatapu – urban to 88 in Ongo Niua). The national median age is estimated to be 22 years, with a range of 20 in ‘Eua to 24 in Ha’apai.

Activity profile (persons aged 15+ years)

The main activity in the past 7 days for the population aged 15 years and older, was home maker, with 24 percent of persons reporting this as their main activity (Table 166). Following this, 22 percent of the population reported producing goods for own (home) consumption, 18 percent reported being employed in the private sector and 14 percent reported being a student (only population 15+ years of age).

By strata, similar results were generated, with home maker being the most common main activity in Tongatapu (urban) and Tongatapu (rural) and the second most common activity in Ha’apai. In Vava’u and Ha’apai, the most common activity was producing goods for own consumption (28 and 27 percent, respectfully) and in ‘Eua and Ongo Niua, it was unpaid family worker in a business (27 and 31%, respectfully).

Table 166: Main activity in the last 7-days (persons aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha’apai	‘Eua	Ongo Niua	Total
Employer	1%	0%	0%	0%	0%	0%	1%
Self Employed	4%	3%	1%	1%	0%	0%	3%
Employed in the public sector	12%	7%	9%	11%	3%	12%	8%
Employed in the private sector	24%	20%	11%	9%	11%	2%	18%
Producing good for own consumption	12%	25%	28%	27%	25%	25%	22%
Unpaid family worker in a business	2%	1%	10%	6%	27%	31%	4%
Unpaid family help with basic HH	0%	0%	1%	1%	2%	5%	0%
Volunteer worker	1%	0%	0%	0%	0%	0%	0%
Student	16%	14%	13%	9%	11%	8%	14%
Home maker	25%	26%	18%	26%	14%	10%	24%
Retired / Too old	2%	2%	3%	4%	5%	2%	3%
None / Did not work	1%	1%	2%	4%	1%	3%	1%
Physically / Mentally disabled	0%	1%	1%	2%	1%	2%	1%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

By gender, males predominantly produce goods for own consumption (28 percent), or are employed in the private sector (24 percent), or are students (14 percent). These trends differ across each stratum, with a high proportion of males in 'Eua (41%) and Ongo Niua (51%) conducting unpaid activities in a family business or plantation (table 178).

Females, on the other hand, predominantly undertake home making activities (39 percent), or produce goods for own consumption (17 percent), are students (14 percent), or are employed in the private sector (12 percent). These results are fairly consistent across each stratum (table 179).

Table 167: Secondary activity in the last 7-days (persons aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	0%	0%	0%	0%	0%	0%	0%
Self Employed	1%	1%	0%	1%	0%	0%	1%
Employed in the public sector	0%	0%	0%	0%	0%	0%	0%
Employed in the private sector	0%	1%	0%	1%	1%	0%	1%
Producing good for own consumption	14%	24%	16%	24%	13%	8%	20%
Unpaid family worker in a business	2%	1%	13%	4%	17%	33%	4%
Unpaid family help with basic HH	1%	0%	1%	1%	5%	1%	1%
Volunteer worker	0%	0%	0%	1%	2%	1%	0%
Student	1%	1%	5%	2%	1%	7%	2%
Home maker	42%	27%	37%	40%	37%	38%	33%
Retired / Too old	0%	0%	2%	2%	0%	1%	0%
None / Did not work	39%	45%	24%	25%	22%	9%	38%
Physically / Mentally disabled	0%	0%	1%	1%	0%	2%	0%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

In terms of secondary activity in the last 7 days, doing nothing (i.e., no other economic activity) was the main activity (38 percent), followed by home making (33 percent) and subsistence activities (20 percent). This was fairly consistent across all stratum, however Vava'u, 'Eua and Ongo Niua had a higher proportion of persons conducing unpaid activities in the family business or plantation (Table 167). These trends are similar for males and females.

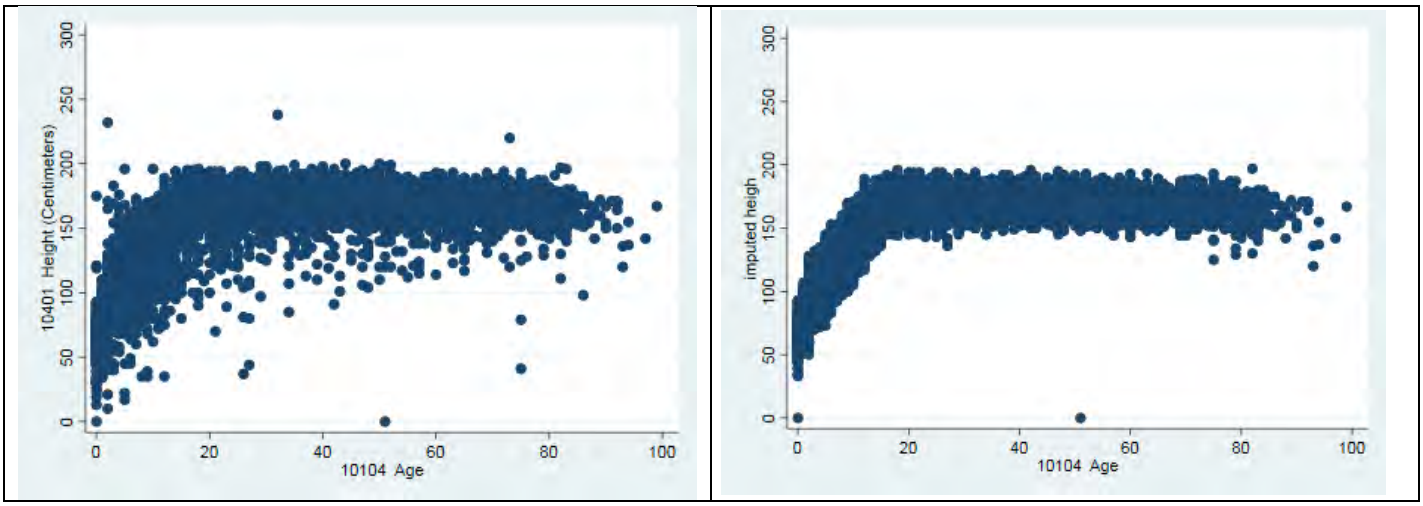
Body mass index (BMI) (persons aged 15+ years)

Although BMI is not directly related to income and expenditure, HIES is a fairly unique survey that collects the height and weight of all respondents, so it's worth reporting. There were a number of height (n=527) and weight (n=477) outliers detected, which were identified as being higher or lower than two standard deviations from the median for each age. Where outliers were detected, the median of that age was imputed. The imputation methodology has the potential to have excluded some extreme, but real, heights or weight, however given that sampling weights are applied, it is deemed appropriate to eliminate extreme cases and it is not expected to significantly affect the overall aggregated. Figure 7 shows the implication of the imputation methodology.

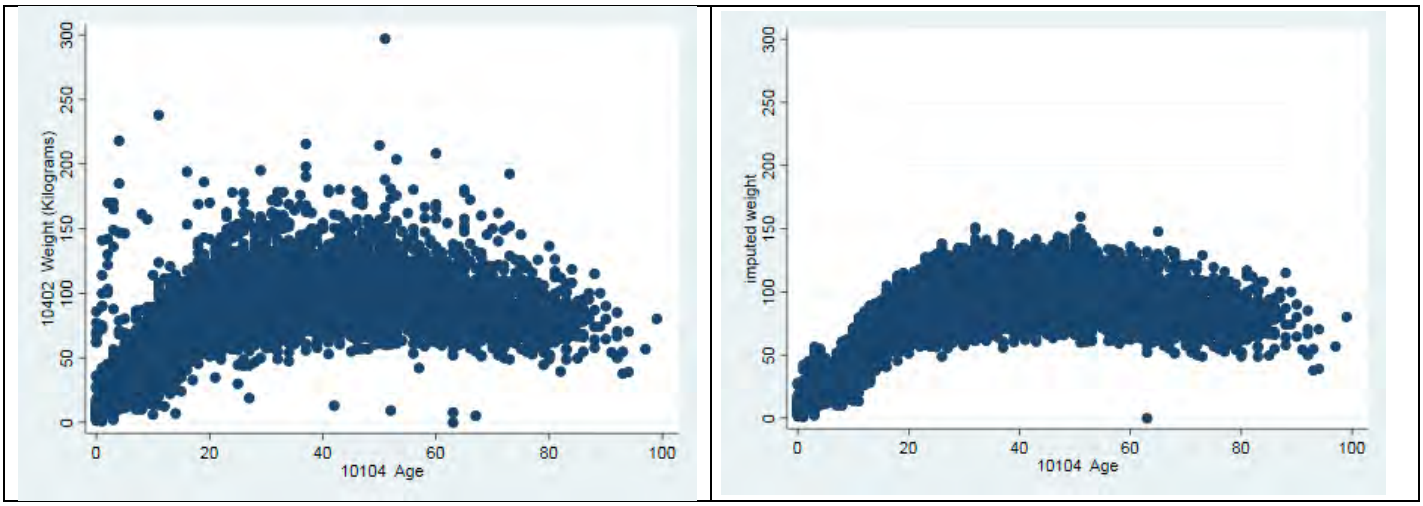
Figure 7: Scatter plot showing the pre and post imputation distributions

Raw data **Imputed Data**

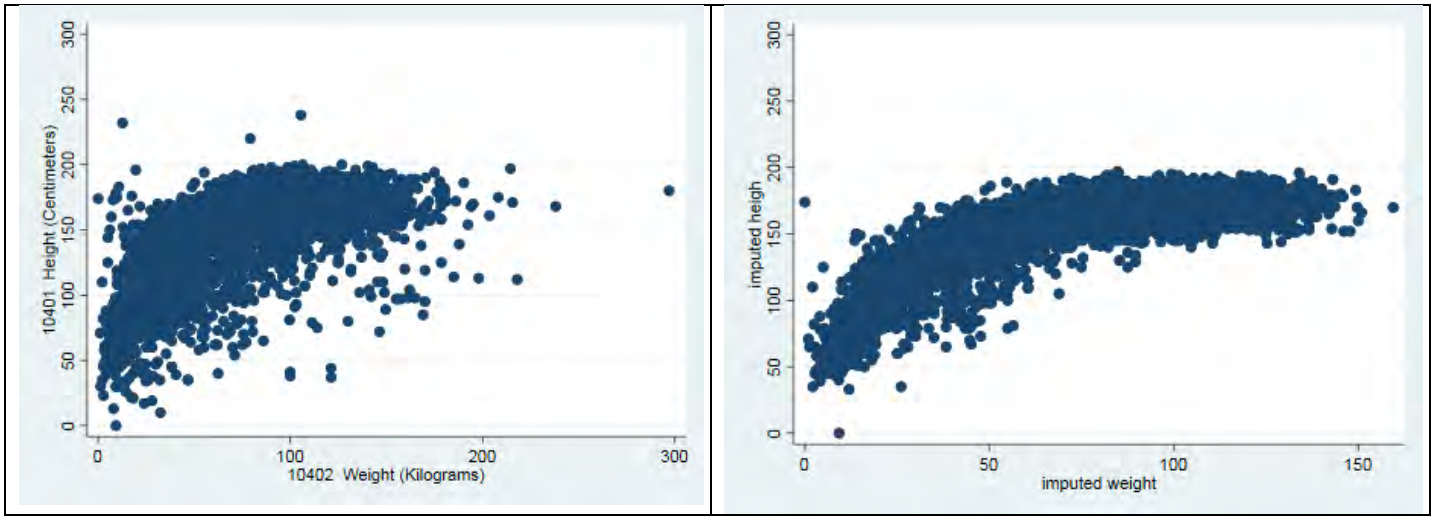
a) Pre (left) and post (right) imputation distribution of height (cm) and age



b) Pre (left) and post (right) imputation distribution of weight (kg) and age



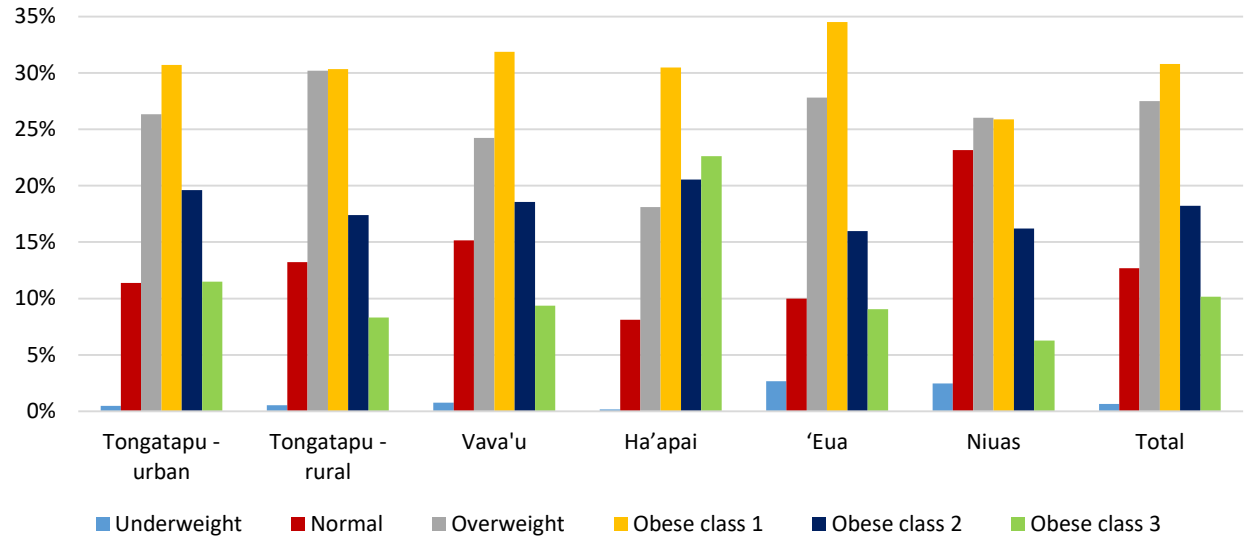
c) Pre (left) and post (right) imputation distribution of height and weight



Nationally, 87 percent of the population aged 15 years and over reported a height and weight that computes to a BMI of overweight or obese (overweight (27 percent), obese class 1 (31 percent), obese class 2 (18 percent) or obese class 3 (10 percent)). 13 percent of the population reported height and weight that computes to a BMI in the normal range (Figure 8).

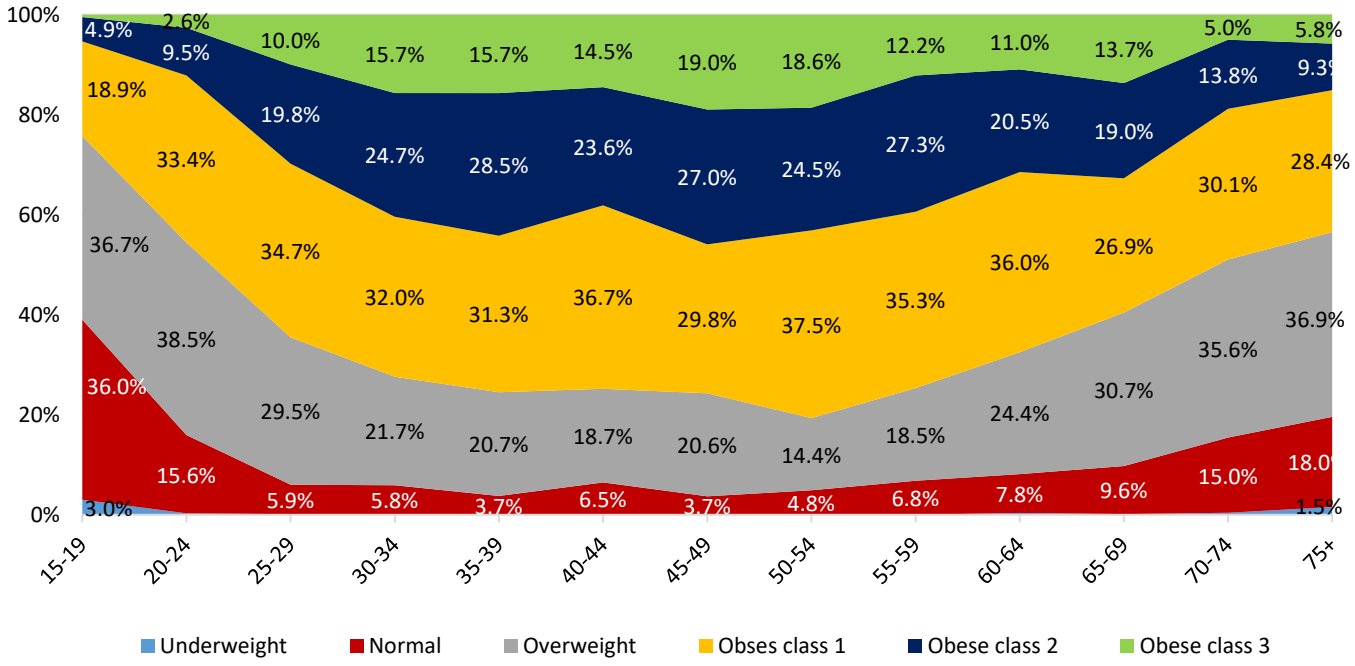
By strata, the results do not significantly differ, however the BMI calculation for Ongo Niua had 23 percent of the population in the normal range, while Ha'apai had 92 percent of the population with a BMI of obese or over and 23 percent being obese class 3.

Figure 8: Distribution of the population (aged 15+), by BMI category and strata



There is not a significant difference between the distribution of the population, by BMI, for males and females. 15 and 1 percent of males and females had a respective BMI within the normal range, 1 percent of males BMI calculation was underweight, while the remainder of all males and females were overweight or obese.

Figure 9: Distribution of the population (aged 15+), by BMI category and age group



By age group, 39 percent of the population aged between 15 and 20 years are in the normal BMI range, or underweight. More than 90 percent of all persons aged between 24 and 80 are overweight or obese. 28 percent of the population aged between 89 and 95 years is underweight.

Health problem

10 percent of the population self-reported having an ongoing health problem. This ranged from 7 percent in Va'vau to 14 percent in Ha'apai. Of the population that reported having an ongoing health problem, 91 percent regularly consult a health professional. This ranges from 83 percent in Ongo Niua to 97 percent in 'Eua. For the same population, 90 percent take medication for the health problem. This ranges from 83 percent in Ongo Niua to 97 percent in 'Eua.

Alcohol use (persons aged 10+)

Approximately 6 percent of the population aged 10 years and over drank alcohol in the last seven days. This ranges from3 percent in Ha'apai and Vava'u to 7 percent in Tongatapu (urban). Populations in age groups ranging from 20 to 44 reported had the highest proportion of the population consuming alcohol at around 10 percent. 10 percent of males consume alcohol, while 1 percent of females do.

Kava use (persons aged 10+)

Kava use is much higher than alcohol, with 12 percent of the total population reporting using kava in the previous 7-days. This use ranges from 11 percent in Tongatapu to up to 24 percent in Ongo Niua. Around 20 to 25 percent of the population aged 30 to 64 used kava in the last 7-days and it is largely male dominated, with 25 percent of males using kava and almost no females using kava. Excluding females, kava use ranges from 23 to 50 percent for males in 5-year age groups from 20 to 59. 30 percent of males reported using tobacco in the last seven days, while 7 percent of females did.

Tobacco use (persons aged 10+)

Nationally, 18 percent of the population aged 10+ years smoke tobacco. This ranges from 17 percent in Vava'u and Ha'apai to 23 percent in Ongo Niua. Around 19 percent of the Tongatapu population smokes. The highest proportion of smokers are aged 30 to 34, with 32 percent of this population using tobacco. More than one-third of males aged 20 to 74 reported smoking tobacco in the last seven days (50 percent of males aged 35 to 39 years).

63 percent of the tobacco using population smoke between 11 and 60 cigarettes per week. 10 percent of this population smoke 131 to 140 cigarettes per week (around 5 packets a week).

Internet and mobile phone use (persons aged 10+)

41 percent of the population aged 10+ years reported having used the internet in the last month. This ranged from 0 percent of persons living in Ongo Niua to 50 percent or persons living on Tongatapu (urban). The primary (70 percent) location where people accessed the internet was from a mobile device (i.e., 3G). 16 percent accessed the internet from home as their main source.

By age group, less than 5 percent of the population aged 60 years and over used the internet. Conversely, 55 percent of the population aged from 15 to 59 years used the internet. 77 percent of persons aged from 20 to 29 used the internet in the past month.

83 percent of the population used a mobile phone in the last month. This ranges from 55 percent in Ongo Niua to 88 percent in Tongatapu (rural). Almost all persons aged 20 to 49 years use a mobile phone, while less than half of those aged less than 15 or between 90 and 94 used one in the past month. Majority of persons (around 90 percent) aged 20 to 44 own mobile phones. Fewer people in younger and older age groups own mobile phones. There's an equal distribution of mobile phone ownership between males and females.

2. Household characteristics

This subsection presents HH characteristics, which are linked to HH income and expenditure. Given the objectives of HIES and the short time between HIES and census, this subsection is intentionally short and serves more to compare the HH population estimates with those of census in order to validate the HIES data.

Table 168 presents the total number of HHs, by strata, from the 2015/2016 HIES and 2016 PHC. It can be seen that the HH population from the 2016 census is 1 percent greater than the mid-point HH population estimate from the HIES. This difference may be somewhat explained by population growth, however it is indicative of some level of degree of error in the HIES sample. The HH distribution, by strata, exactly match those from the 2016 PHC.

Table 168: 2015/2016 HIES and 2016 PHC comparison of number of HHs, by strata

Strata	2015/2016 HIES		2016 PHC		Difference %
	HHs	Distribution %	HHs	Distribution %	
Tongatapu - urban	4,106	23%	4,175	23%	2%
Tongatapu - rural	8,828	49%	8,921	49%	1%
Vava'u	2,728	15%	2,745	15%	1%
Ha'apai	1,196	7%	1,193	7%	0%
'Eua	882	5%	889	5%	1%
Ongo Niua	274	2%	275	2%	0%
Total	**18,014**	**100%**	**18,198**	**100%**	**1%**

Expenditure-related characteristics

Nationally, 92 percent of HHs are connected to the public electricity grid. Almost all HHs in Tongatapu, Vava'u and 'Eua are connected to the public power supply, while 32 percent of HH and all HHs in Ha'apai and Ongo Niua are not collected to the public power supply, respectfully.

As such, 92 percent of HHs generate their main source of lighting from the public electrical grid. In Ha'apai, 27 percent of HHs use a private generator, with the majority of others using the public utility. In Ongo Niua, half of the HHs use a private solar panel, 15 percent use a kerosene lamp and 31 percent use a battery lamp.

Nationally, the main source of cooking fuel is on a gas stove (64 percent) followed by open fire (33 percent). This is a fairly common trend across all stratum in Tonga, although Ha'apai, 'Eua and Ongo Niua predominantly cook on the open fire. Gas and open fire are the main cooking energies used by HHs in Tonga.

Less than half of HHs (47 percent) are connected to public water mains. 94 percent of urban HHs are connected and 22% of Tongatapu rural HHs Approximately half of HHs in Va'vau and Ha'apai are connected, almost all of 'Eua are connected and almost no HHs in Ongo Niua are connected.

The majority (80 percent) of HHs in Tonga reside in a dwelling that it owns without a mortgage. Following (18 percent) this are HHs that reside in a dwelling that the HH does not own, but the HH does not pay rent for the dwelling. Only 2 percent of HHs in Tonga pay rent and less than 1 percent own a house with a mortgage. In Tongatapu (urban), 8 percent of HHs rent the dwelling in which they reside.

Income-related characteristics

A large proportion of HH participate in primary production related activities (Table 169). 63 percent of HHs participate in agriculture, 13 percent if fisheries, 69 percent in livestock and 39 percent in handicrafts and home processed foods. This has significant implications on HHs income, for both cash and subsistence.

Table 169: Proportion of HHs that participate in primary activities, by strata

	Agriculture	Fisheries	Livestock	Handicrafts
Tongatapu - urban	30%	6%	51%	25%
Tongatapu - rural	71%	12%	69%	39%
Vava'u	71%	15%	82%	46%
Ha'apai	83%	32%	89%	45%
'Eua	84%	15%	88%	71%
Ongo Niua	83%	45%	74%	63%
Total	**63%**	**13%**	**69%**	**39%**

Table 170 shows the proportion of HHs that sell a portion of their harvest, by industry. It can be seen that not all HHs that participate in primary industry sell any of their produce (i.e., there are some HHs that undertake primary productive activities solely for subsistence purposes), however a relatively high portion do. 19 percent of HHs sell some of their agricultural produce, 4 percent sell a portion of their fisheries harvest, 19 percent sell livestock that the HH rears and 31 percent sell handicrafts and home processed foods that are manufactured.

Table 170: Proportion of HHs that sell primary produce, by strata

	Agriculture	Fisheries	Livestock	Handicrafts
Tongatapu - urban	4%	2%	7%	17%
Tongatapu - rural	19%	3%	21%	31%
Vava'u	33%	6%	19%	37%
Ha’apai	22%	6%	29%	26%
‘Eua	33%	10%	44%	65%
Ongo Niua	34%	8%	22%	56%
Total	**19%**	**4%**	**19%**	**31%**

Primary activities in Tonga appear to be both for food and income generation.

3. Population and HH tables

Table 171: National population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	6,139	5,435	11,575	12%	11%	12%
5-9	6,338	5,544	11,882	13%	11%	12%
10-14	6,026	6,377	12,402	12%	13%	12%
15-19	5,185	4,810	9,995	11%	10%	10%
20-24	4,240	3,823	8,063	9%	8%	8%
25-29	2,943	3,525	6,468	6%	7%	6%
30-34	3,192	3,456	6,649	6%	7%	7%
35-39	2,300	2,842	5,142	5%	6%	5%
40-44	2,531	2,609	5,140	5%	5%	5%
45-49	2,316	2,588	4,904	5%	5%	5%
50-54	2,069	2,220	4,290	4%	4%	4%
55-59	1,522	1,653	3,174	3%	3%	3%
60-64	1,259	1,412	2,671	3%	3%	3%
65-69	1,023	1,239	2,261	2%	2%	2%
70-74	784	972	1,756	2%	2%	2%
75+	1,397	1,789	3,186	3%	4%	3%
Total	**49,264**	**50,294**	**99,558**	**100%**	**100%**	**100%**

Table 172: Tongatapu population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	4,621	3,902	8,523	13%	11%	12%
5-9	4,641	3,935	8,577	13%	11%	12%
10-14	4,468	4,851	9,319	12%	13%	13%
15-19	3,963	3,599	7,562	11%	10%	10%
20-24	3,320	2,842	6,162	9%	8%	8%
25-29	2,376	2,566	4,942	6%	7%	7%
30-34	2,454	2,576	5,029	7%	7%	7%
35-39	1,758	2,183	3,940	5%	6%	5%
40-44	1,823	1,888	3,711	5%	5%	5%
45-49	1,645	1,894	3,539	4%	5%	5%
50-54	1,453	1,694	3,147	4%	5%	4%
55-59	1,136	1,155	2,290	3%	3%	3%
60-64	844	993	1,836	2%	3%	2%
65-69	691	895	1,586	2%	2%	2%
70-74	490	684	1,174	1%	2%	2%
75+	995	1,323	2,318	3%	4%	3%
Total	**36,678**	**36,980**	**73,655**	**100%**	**100%**	**100%**

Table 173: Vava'u population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	829	816	1,645	13%	12%	12%
5-9	753	905	1,659	11%	13%	12%
10-14	926	668	1,594	14%	9%	12%
15-19	713	729	1,442	11%	10%	11%
20-24	440	537	977	7%	8%	7%
25-29	285	555	839	4%	8%	6%
30-34	391	496	887	6%	7%	6%
35-39	291	300	591	4%	4%	4%
40-44	391	382	774	6%	5%	6%
45-49	329	382	711	5%	5%	5%
50-54	356	331	687	5%	5%	5%
55-59	166	180	346	3%	3%	3%
60-64	170	210	380	3%	3%	3%
65-69	186	140	327	3%	2%	2%
70-74	160	181	342	2%	3%	3%
75+	220	257	478	3%	4%	3%
Total	**6,606**	**7,069**	**13,679**	**100%**	**100%**	**100%**

Table 174: Ha'apai population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	266	349	614	9%	11%	10%
5-9	483	375	858	16%	12%	14%
10-14	357	311	668	12%	10%	11%
15-19	219	230	449	7%	7%	7%
20-24	249	257	506	8%	8%	8%
25-29	151	227	378	5%	7%	6%
30-34	210	232	442	7%	7%	7%
35-39	123	205	328	4%	6%	5%
40-44	159	136	295	5%	4%	5%
45-49	163	162	324	5%	5%	5%
50-54	122	117	239	4%	4%	4%
55-59	108	200	308	4%	6%	5%
60-64	136	102	238	5%	3%	4%
65-69	87	117	204	3%	4%	3%
70-74	81	62	143	3%	2%	2%
75+	94	102	196	3%	3%	3%
Total	**3,008**	**3,184**	**6,190**	**100%**	**100%**	**100%**

Table 175: ‘‘Eua population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	360	300	661	15%	12%	14%
5-9	384	243	627	16%	10%	13%
10-14	186	465	651	8%	19%	13%
15-19	245	210	455	10%	9%	9%
20-24	196	153	349	8%	6%	7%
25-29	107	143	250	5%	6%	5%
30-34	121	124	245	5%	5%	5%
35-39	94	126	220	4%	5%	5%
40-44	135	158	294	6%	6%	6%
45-49	140	110	251	6%	5%	5%
50-54	95	46	142	4%	2%	3%
55-59	86	85	172	4%	3%	4%
60-64	89	85	174	4%	3%	4%
65-69	28	73	102	1%	3%	2%
70-74	40	34	74	2%	1%	2%
75+	70	86	156	3%	4%	3%
Total	**2,376**	**2,441**	**4,823**	**100%**	**100%**	**100%**

Table 176: Ongo Niua population estimates, by age group and sex

Age group	Male	Female	Total	Male	Female	Total
	Persons	Persons	Persons	Distribution %	Distribution %	Distribution %
0-4	63	68	131	11%	11%	11%
5-9	77	85	162	13%	14%	13%
10-14	90	81	171	15%	13%	14%
15-19	44	42	86	7%	7%	7%
20-24	35	34	69	6%	6%	6%
25-29	24	34	58	4%	6%	5%
30-34	17	29	45	3%	5%	4%
35-39	35	28	63	6%	5%	5%
40-44	22	44	66	4%	7%	5%
45-49	38	41	79	6%	7%	7%
50-54	44	31	75	7%	5%	6%
55-59	26	33	59	4%	5%	5%
60-64	20	22	42	3%	4%	3%
65-69	30	13	43	5%	2%	4%
70-74	13	10	23	2%	2%	2%
75+	18	20	38	3%	3%	3%
Total	**596**	**615**	**1,210**	**100%**	**100%**	**100%**

Table 177: Main activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	218	152	0	0	0	0	370
Self Employed	597	933	100	59	8	0	1,697
Employed in the public sector	1767	2191	829	438	89	91	5,405
Employed in the private sector	3661	6292	1003	354	324	13	11,647
Producing good for own consumption	1813	7921	2498	1090	726	189	14,237
Unpaid family worker in a business	266	187	911	244	784	234	2,626
Unpaid family help with basic HH duties	8	0	61	31	48	34	182
Volunteer worker	122	71	34	15	3	0	245
Student	2519	4557	1165	345	304	61	8,951
Home maker	3877	8270	1592	1070	399	77	15,285
Retired / Too old	288	784	277	150	133	15	1,647
None / Did not work	144	356	209	177	41	20	947
Physically / Mentally disabled	55	190	101	77	21	14	458
Total	**15,335**	**31,904**	**8,780**	**4,050**	**2,880**	**748**	**63,697**

Table 178: MALE: main activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	150	99	0	0	0	0	235
Self Employed	254	365	58	17	0	0	694
Employed in the public sector	1006	1162	491	196	43	71	2,931
Employed in the private sector	2400	4134	575	235	240	13	7,463
Producing good for own consumption	1021	5353	1007	746	301	47	8,600
Unpaid family worker in a business	135	82	867	230	596	188	2,140
Unpaid family help with basic HH duties	8	0	37	26	0	5	81
Volunteer worker	94	22	22	15	0	0	162
Student	1427	2090	508	153	144	25	4,392
Home maker	872	1461	189	82	33	2	2,475
Retired / Too old	85	392	143	78	53	0	789
None / Did not work	89	141	121	86	29	9	462
Physically / Mentally disabled	7	101	80	36	9	5	236
Total	**7,548**	**15,402**	**4,098**	**1,900**	**1,448**	**365**	**30,660**

Table 179: FEMALE: main activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	68	53	0	0	0	0	121
Self Employed	343	568	41	42	8	0	1,002
Employed in the public sector	761	1028	338	242	47	20	2,436
Employed in the private sector	1261	2158	428	119	84	0	4,050
Producing good for own consumption	792	2569	1491	344	425	142	5,763
Unpaid family worker in a business	131	105	44	13	188	46	527
Unpaid family help with basic HH duties	0	0	24	5	48	29	106
Volunteer worker	28	49	12	0	3	0	92
Student	1092	2467	657	192	160	36	4,604
Home maker	3005	6809	1403	988	366	74	12,645
Retired / Too old	203	393	133	71	80	15	895
None / Did not work	55	216	89	91	13	12	476
Physically / Mentally disabled	48	89	21	41	12	9	220
Total	**7,787**	**16,504**	**4,681**	**2,148**	**1,434**	**383**	**32,937**

Table 180: Secondary activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	22	44	0	0	4	0	70
Self Employed	172	358	14	43	0	0	588
Employed in the public sector	8	55	0	19	5	0	87
Employed in the private sector	52	199	27	37	21	0	336
Producing good for own consumption	2198	7721	1427	974	384	57	12761
Unpaid family worker in a business	233	251	1128	160	494	247	2513
Unpaid family help with basic HH duties	92	0	98	21	157	5	374
Volunteer worker	21	100	7	25	62	5	221
Student	122	350	427	80	22	56	1056
Home maker	6364	8461	3232	1607	1081	284	21029
Retired / Too old	38	24	164	62	8	11	308
None / Did not work	6005	14219	2128	994	644	65	24054
Physically / Mentally disabled	8	122	127	28	0	17	301
Total	**15,335**	**31,904**	**8,779**	**4,050**	**2,882**	**747**	**63,698**

Table 181: MALE: Secondary activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	22	27	0	0	0	0	49
Self Employed	83	102	7	0	0	0	192
Employed in the public sector	8	55	0	19	5	0	87
Employed in the private sector	52	101	27	24	21	0	225
Producing good for own consumption	1768	5781	1207	760	353	52	9921
Unpaid family worker in a business	178	163	1071	160	458	225	2255
Unpaid family help with basic HH duties	31	0	90	17	148	5	292
Volunteer worker	5	73	7	8	45	5	144
Student	32	214	163	50	17	22	498
Home maker	2863	2401	789	421	201	16	6691
Retired / Too old	16	8	89	24	0	4	141
None / Did not work	2487	6383	572	404	199	32	10077
Physically / Mentally disabled	0	93	76	14	0	5	188
Total	**7,545**	**15,401**	**4,098**	**1,901**	**1,447**	**366**	**30,760**

Table 182: FEMALE: secondary activity conducted in the last seven days (population aged 15+), by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Employer	0	16	0	0	4	0	20
Self Employed	89	257	7	43	0	0	396
Employed in the private sector	0	98	0	13	0	0	111
Producing good for own consumption	429	1940	220	214	32	5	2841
Unpaid family worker in a business	55	88	57	0	36	23	258
Unpaid family help with basic HH duties	61	0	8	5	9	0	83
Volunteer worker	16	28	0	17	16	0	77
Student	90	136	265	29	4	34	558
Home maker	3501	6060	2444	1185	880	268	14338
Retired / Too old	22	16	75	39	8	7	167
None / Did not work	3517	7836	1556	590	445	34	13977
Physically / Mentally disabled	8	30	50	13	0	12	113
Total	**7,788**	**16,505**	**4,682**	**2,148**	**1,434**	**383**	**32,939**

Table 183: HH tenure status, by strata

	Renting the house	Living rent free by employer	Living rent free by others	Own the house w/o a mortgage	Own the house w/ a mortgage	Total
Tongatapu - urban	322	54	892	2,815	23	4,106
Tongatapu - rural	95	173	1,158	7,385	18	8,829
Vava'u	29	138	417	2,110	34	2,728
Ha'apai	0	55	125	1,015	0	1,195
‘Eua	0	3	128	750	0	881
Ongo Niua	0	40	14	221	0	275
National	**446**	**463**	**2,734**	**14,296**	**75**	**18,014**
			Distribution %			
Tongatapu - urban	72%	12%	33%	20%	31%	23%
Tongatapu - rural	21%	37%	42%	52%	24%	49%
Vava'u	7%	30%	15%	15%	45%	15%
Ha’apai	0%	12%	5%	7%	0%	7%
‘Eua	0%	1%	5%	5%	0%	5%
Ongo Niua	0%	9%	1%	2%	0%	2%
National	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

Table 184: HH participation in agricultural activities, by strata

	No	Yes	Total
Tongatapu - urban	2,861	1,245	4,106
Tongatapu - rural	2,563	6,265	8,828
Vava'u	802	1,926	2,728
Ha’apai	202	994	1,196
‘Eua	144	738	882
Ongo Niua	47	227	274
National	**7,572**	**10,442**	**18,014**
	Distribution %		
Tongatapu - urban	70%	30%	100%
Tongatapu - rural	29%	71%	100%
Vava'u	29%	71%	100%
Ha’apai	17%	83%	100%
‘Eua	16%	84%	100%
Ongo Niua	17%	83%	100%
National	**42%**	**58%**	**100%**

Table 185: HH participation in fishing activities, by strata

	No	Yes	Total
Tongatapu - urban	3,872	234	4,106
Tongatapu - rural	7,752	1,076	8,828
Vava'u	2,317	411	2,728
Ha’apai	809	387	1,196
‘Eua	747	135	882
Ongo Niua	152	122	274
National	**15,649**	**2,365**	**18,014**
	Distribution %		
Tongatapu - urban	94%	6%	100%
Tongatapu - rural	88%	12%	100%
Vava'u	85%	15%	100%
Ha’apai	68%	32%	100%
‘Eua	85%	15%	100%
Ongo Niua	55%	45%	100%
National	**87%**	**13%**	**100%**

Table 186: HH participation in livestock activities, by strata

	No	Yes	Total
Tongatapu - urban	2,022	2,084	4,106
Tongatapu - rural	2,712	6,116	8,828
Vava'u	496	2,232	2,728
Ha'apai	130	1,066	1,196
'Eua	107	775	882
Ongo Niua	70	204	274
National	**5,539**	**12,475**	**18,014**
	Distribution %		
Tongatapu - urban	49%	51%	100%
Tongatapu - rural	31%	69%	100%
Vava'u	18%	82%	100%
Ha'apai	11%	89%	100%
'Eua	12%	88%	100%
Ongo Niua	26%	74%	100%
National	**31%**	**69%**	**100%**

Table 187: HH participation in handicraft and home-processed foods activities, by strata

	No	Yes	Total
Tongatapu - urban	3,098	1,008	4,106
Tongatapu - rural	5,341	3,487	8,828
Vava'u	1,477	1,251	2,728
Ha'apai	656	540	1,196
'Eua	256	626	882
Ongo Niua	101	173	274
National	**10,929**	**7,085**	**18,014**
	Distribution %		
Tongatapu - urban	75%	25%	100%
Tongatapu - rural	61%	39%	100%
Vava'u	54%	46%	100%
Ha'apai	55%	45%	100%
'Eua	29%	71%	100%
Ongo Niua	37%	63%	100%
National	**61%**	**39%**	**100%**

Table 188: HHs that sell part of their agricultural produce, by strata

	No	Yes	Total
Tongatapu - urban	3,933	173	4,106
Tongatapu - rural	7,122	1,706	8,828
Vava'u	1,823	905	2,728
Ha'apai	928	268	1,196
'Eua	587	295	882
Ongo Niua	181	93	274
National	**14,574**	**3,440**	**18,014**
	Distribution %		
Tongatapu - urban	96%	4%	100%
Tongatapu - rural	81%	19%	100%
Vava'u	67%	33%	100%
Ha'apai	78%	22%	100%
'Eua	67%	33%	100%
Ongo Niua	66%	34%	100%
National	**81%**	**19%**	**100%**

Table 189: HHs that sell part of their fisheries produce, by strata

	No	Yes	Total
Tongatapu - urban	4,025	81	4,106
Tongatapu - rural	8,532	296	8,828
Vava'u	2,557	171	2,728
Ha'apai	1,119	77	1,196
'Eua	798	84	882
Ongo Niua	253	21	274
National	**17,284**	**730**	**18,014**
	Distribution %		
Tongatapu - urban	98%	2%	100%
Tongatapu - rural	97%	3%	100%
Vava'u	94%	6%	100%
Ha'apai	94%	6%	100%
'Eua	90%	10%	100%
Ongo Niua	92%	8%	100%
National	96%	4%	**100%**

Table 190: HHs that sell part of their livestock produce, by strata

	No	Yes	Total
Tongatapu - urban	3,828	278	4,106
Tongatapu - rural	6,935	1,893	8,828
Vava'u	2,197	531	2,728
Ha'apai	848	348	1,196
'Eua	492	390	882
Ongo Niua	213	61	274
National	**14,513**	**3,501**	**18,014**
	Distribution %		
Tongatapu - urban	96%	4%	100%
Tongatapu - rural	81%	19%	100%
Vava'u	67%	33%	100%
Ha'apai	78%	22%	100%
'Eua	67%	33%	100%
Ongo Niua	66%	34%	100%
National	**81%**	**19%**	**100%**

Table 191: HHs that sell part of their handicraft and home-processed foods produce, by strata

	No	Yes	Total
Tongatapu - urban	3,400	706	4,106
Tongatapu - rural	6,052	2,776	8,828
Vava'u	1,712	1,016	2,728
Ha'apai	887	309	1,196
'Eua	313	569	882
Ongo Niua	121	153	274
National	**12,485**	**5,529**	**18,014**
	Distribution %		
Tongatapu - urban	83%	17%	100%
Tongatapu - rural	69%	31%	100%
Vava'u	63%	37%	100%
Ha'apai	74%	26%	100%
'Eua	35%	65%	100%
Ongo Niua	44%	56%	100%
National	**69%**	**31%**	**100%**

SECTION 7: ADDITIONAL ANALYSES

In this section, we compare the results of the 2015/2016 HIES with those from the 2009 HIES. Following this, we have a section that discussed intermediate expenditure that HHs incur and, finally, we look at the distribution of income and expenditure in Tonga.

1. Comparison with previous HIES

Below we compare the results of the 2009 (most previous) HIES with those from the 2015/2016 HIES. Where nominal is reported, this is the actual amount that was reported in 2009. Where real is reported, this is the consumer price indices (CPI) inflated 2009 nominal amount, which gives a better comparative representation between 2009 and 2015 as the prices are inflated to 2015 levels. The 2009 aggregates were inflated by the national CPI index, with no disaggregation, however in the aggregated expenditure tables presented below, the prices were inflated by COICOP class. For example, food was inflated by the food CPI. As such, the 2009 real expenditure aggregates presented below do not exactly match those presented in the tables where expenditure is reported by category.

Expenditure

At a national level, there is a 7 percent change between the two aggregates. However, when we disaggregate by urban and rural, we see that there has been a 16 percent real decline in urban HH expenditure, while rural expenditure has decreased by 4 percent.

At this aggregated level, it's difficult to understand the reason for this significant decline. It could be survey methodological and data aggregation processes that are responsible for the decline, or it could very well be that HH expenditure – in real terms – has declined by TOP 2,300 over the period.

Table 192: Comparison of 2009 nominal and real average annual HH expenditure with 2015, by urban and rural

	2009 nominal	2009 real	2015	% change
Tonga urban	34,220	39,764	33,280	-16%
Tonga rural	26,514	30,809	29,704	-4%
Total	**28,275**	**32,856**	**30,519**	**-7%**

Table 193 compares the 2009 real HH expenditure, by type, with that of 2015. It shows a 13 percent decline in cash expenditure, a 90 percent increase in consumption expenditure on gifts (the consumption of cash purchased and home produced gifts), a 43 percent decline in subsistence consumption (possibly offset by classification of home produced gifts as gifts, rather than subsistence consumption) and a 7 percent decline in imputed rents.

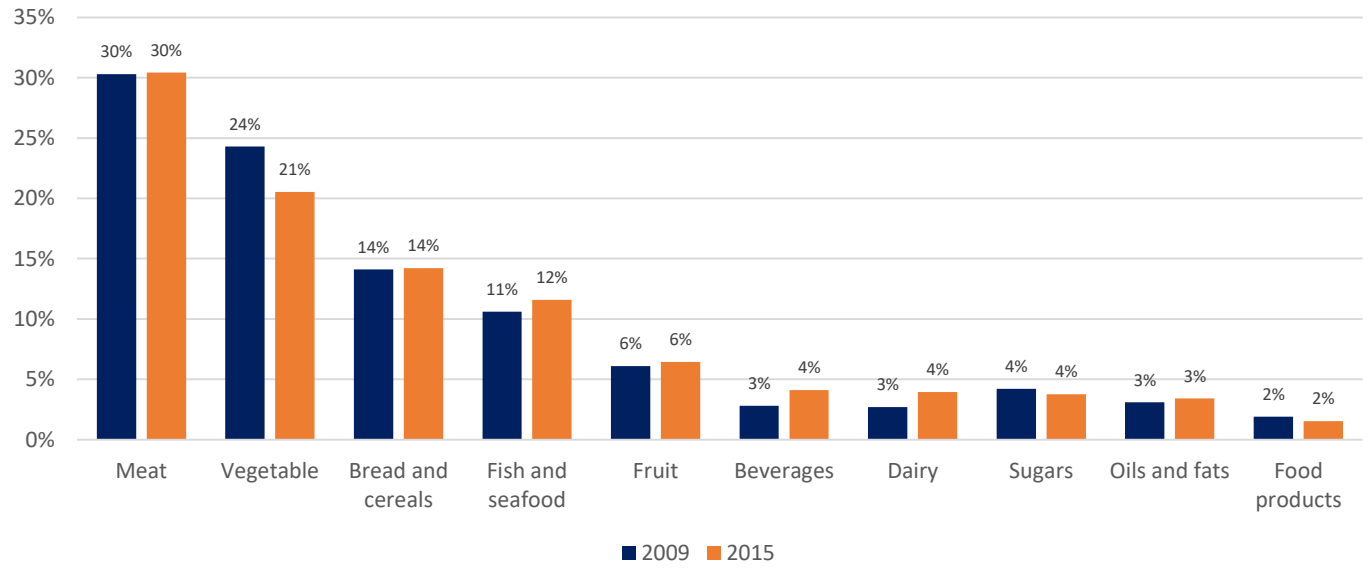
Again, the differences are greater at urban than rural and these differences may be explained by classification and/or methodological differences, or real change in HH expenditure.

Table 193: Comparison of 2009 (real) and 2015 average HH expenditure, by type and urban-rural

2009	Cash	Gifts	Subsistence	Imputed rents	Total
Tonga urban	29,761	2,707	1,420	5,874	39,762
Tonga rural	21,628	2,265	3,270	3,639	30,802
Total	**23,489**	**2,366**	**2,847**	**4,151**	**32,852**
2015	**Cash**	**Gifts**	**Subsistence**	**Imputed rents**	**Total**
Tonga urban	24,046	3,846	453	4,845	33,280
Tonga rural	19,429	4,692	1,952	3,585	29,704
Total	**20,482**	**4,499**	**1,610**	**3,872**	**30,519**
% change	**Cash**	**Gifts**	**Subsistence**	**Imputed rents**	**Total**
Tonga urban	-19%	42%	-68%	-18%	-16%
Tonga rural	-10%	107%	-40%	-2%	-4%
Total	**-13%**	**90%**	**-43%**	**-7%**	**-7%**

The below figure presents the composition of HH expenditure on food and non-alcoholic beverages (COICOP division 1), by COICOP class. The composition of expenditure are remarkably similar, which is indicative of consistency in HH expenditure on food between the two surveys.

Figure 10: 2009 and 2015 composition of HH expenditure within COICOP division 1



Looking at nominal and real expenditure from the 2009 HIES and comparing this with 2015 expenditure, by expenditure category, Table 194 shows that there is a large degree of change over the period at national, urban and rural locations. It is beyond the scope of this analysis to inflate 2009 items by commodity or COICOP sub-class and it is recognised that this process would add value to ensure that the inflationary index is correctly applied.

The table below indicates that, at a national level, there has been a large increase in expenditure on alcohol (incl. tobacco and kava), transport, education and restaurants and hotels, and a significant decrease in non-consumption and investment expenditure. Overall, consumption expenditure has increased by 7 percent on real 2009 values.

The increase in alcohol expenditure can be explained by a methodological difference as expenditure on COICOP division 2 was collected through the diary in 2009 whereas it was collected through a seven-day recall module in the 2015/2016 HIES.

Table 194: 2009 (nominal and real) comparison with 2015 average annual HH expenditure, by expenditure category and urban-rural

	TONGA URBAN				TONGA RURAL				NATIONAL			
	2009 nominal	2009 real	2015	% difference	2009 nominal	2009 real	2015	% difference	2009 nominal	2009 real	2015	% difference
Consumption expenditure												
Food	9,844	12,090	9,518	-21%	9,282	11,400	10,088	-12%	9,411	11,559	9,958	-14%
Alcohol	710	1,002	1,687	68%	682	962	1,731	80%	688	971	1,721	77%
Clothing	546	749	451	-40%	410	562	404	-28%	441	605	415	-31%
Housing & utilities	7,846	8,045	8,409	5%	4,742	4,862	5,515	13%	5,453	5,591	6,174	10%
HH furniture	1,080	1,070	634	-41%	743	736	711	-3%	820	812	693	-15%
Health	131	152	110	-28%	70	81	61	-26%	84	98	72	-26%
Transport	2,352	2,288	4,151	81%	1,945	1,892	4,045	114%	2,038	1,983	4,070	105%
Communication	1,227	1,341	1,413	5%	588	643	1,188	85%	734	802	1,239	54%
Recreation	432	502	270	-46%	269	313	215	-31%	307	357	228	-36%
Education	466	375	719	92%	301	242	395	63%	339	273	468	72%
Restaurant and hotel	612	660	1,053	60%	245	264	552	109%	328	354	666	88%
Miscellaneaous	1,126	1,219	1,125	-8%	737	798	1,046	31%	826	894	1,064	19%
Total consumption expenditure	**26,372**	**30,644**	**29,540**	**-4%**	**20,014**	**23,256**	**25,950**	**12%**	**21,469**	**24,947**	**26,768**	**7%**
Non-consumption expenditure												
Total non-consumption expenditure	**7,014**	**8,150**	**3,089**	**-62%**	**5,998**	**6,970**	**3,433**	**-51%**	**6,228**	**7,237**	**3,354**	**-54%**
Investment expenditure												
Total investment expenditure	**834**	**969**	**651**	**-33%**	**502**	**583**	**321**	**-45%**	**578**	**672**	**396**	**-41%**
Total HH expenditure	**34,220**	**39,764**	**33,280**	**-16%**	**26,514**	**30,809**	**29,704**	**-4%**	**28,275**	**32,856**	**30,519**	**-7%**

Income

As the CPI only collects HH expenditure, income was inflated by the total CPI between 2009 and 2015. This is based on the assumption that wages and salaries, and associated goods from which income is derived, is inflated in correspondence to the CPI. This is a reasonable assumption given the significance of wages and salaries in total HH income.

Overall, average HH income in 2015 is estimated to have stayed stable. In correspondence with expenditure, urban income has declined by almost 16 percent while rural income has apparently increased by more than 6 percent.

Table 195: Comparison of 2009 nominal and real average annual HH income with 2015, by urban and rural

	2009 nominal	2009 real	2015	% change
Tonga urban	38,035	44196.67	37,243	-15.7%
Tonga rural	25,132	29203.384	31,138	6.6%
Total	**28,084**	**32633.608**	**32,529**	**-0.3%**

By income type, cash income has increased by 18 percent (declined by 5 percent in urban areas, but increased by 30 percent in rural areas.

Table 196: Comparison of 2009 (real) and 2015 average HH income, by type and urban-rural

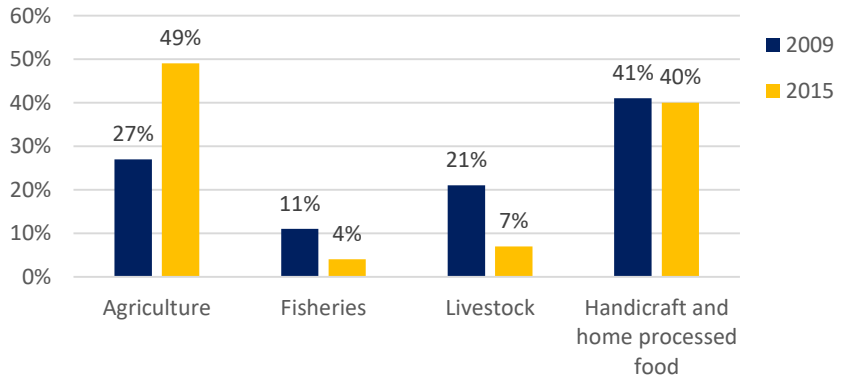
2009	Cash	Gifts	Subsistence	Imputed rents	Total
Tonga urban	33,461	3,919	944	5,874	44,198
Tonga rural	19,648	3,044	2,871	3,639	29,203
Total	22,807	3,245	2,430	4,151	32,632

2015	Cash	Gifts	Subsistence	Imputed rents	Total
Tonga urban	31,954	205	239	4,845	37,243
Tonga rural	25,473	446	1,634	3,585	31,138
Total	26,951	391	1,316	3,872	32,529

% change	Cash	Gifts	Subsistence	Imputed rents	Total
Tonga urban	-5%	-95%	-75%	-18%	-15.7%
Tonga rural	30%	-85%	-43%	-2%	6.6%
Total	18%	-88%	-46%	-7%	-0.3%

Looking at the composition of cash income from primary activities (Figure 11), it appears that cash income from agriculture has increased since 2009, handicraft and home-processed foods has remained stable while income from the sale of livestock and fisheries produce has declined.

Figure 11: 2009 and 2015 composition of income (cash) from primary activities



Looking at income by income category, the results imply that there has been a 40 percent increase in income derived from salaries and wages, which was mostly realised in rural areas. In addition to this, income from non-subsistence business activities has almost doubled, however subsistence income has almost halved.

Similarly to expenditure, much of the differences presented in the below table could be associated with methodological or classification differences between the two surveys and, as such, the results should be treated with caution. Overall, the results are indicative that HH income stayed stable since 2009. As with expenditure, it appears that urban HHs have had an overall decline in real income since the 2009 survey.

Table 196b: 2009 (nominal and real) comparison with 2015 average annual HH income, by income category and urban-rural

	TONGA URBAN				TONGA RURAL				NATIONAL			
	2009 nominal	2009 real	2015	% difference	2009 nominal	2009 real	2015	% difference	2009 nominal	2009 real	2015	% difference
Employment income												
Wages & Salaries	13,816	16,054	18,645	16%	7,126	8,280	12,757	54%	8,656	10,058	14,099	40%
Business	1,669	1,939	3,664	89%	513	596	1,068	79%	778	904	1,659	84%
Primary	2,926	3,400	2,100	-38%	3,973	4,617	4,852	5%	3,734	4,339	4,225	-3%
Subsistence	812	944	239	-75%	2,471	2,871	1,634	-43%	2,091	2,430	1,316	-46%
Total employment income	**19,223**	**22,337**	**24,648**	**10%**	**14,083**	**16,364**	**20,311**	**24%**	**15,259**	**17,731**	**21,299**	**20%**
Total capital income	**795**	**924**	**759**	**-18%**	**138**	**160**	**331**	**107%**	**288**	**335**	**429**	**28%**
Total transfer income	**292**	**339**	**312**	**-8%**	**129**	**150**	**355**	**137%**	**166**	**193**	**345**	**79%**
Total casual income	**1,753**	**2,037**	**263**	**-87%**	**268**	**311**	**390**	**25%**	**607**	**705**	**132**	**-81%**
Total remittances income	**10,917**	**12,686**	**6,416**	**-49%**	**7,382**	**8,578**	**5,920**	**-31%**	**8,192**	**9,519**	**6,033**	**-37%**
Total imputed rents income	**5,055**	**5,874**	**4,845**	**-18%**	**3,132**	**3,639**	**3,585**	**-2%**	**3,572**	**4,151**	**3,872**	**-7%**
Total HH income	**38,035**	**44,197**	**37,243**	**-15.7%**	**25,132**	**29,203**	**31,138**	**6.6%**	**28,084**	**32,634**	**32,529**	**-0.3%**

2. Intermediate expenditure

The income aggregates reported herein are all net of intermediate expenditure, however intermediate expenditure is collected in HIES and it is, as such, worth reporting. The table below reports the gross, intermediate and net income, by income category. Wages and salaries do not have intermediate expenditure, whereas business, agriculture, fisheries, livestock, handicrafts and subsistence do.

Table 197: Gross, intermediate and net annual HH income from employment activities (TOP)

	Cash (Gross)	In-kind (Gross)	Subsistence (Gross)	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Net income
Wages & salaries	246,114,339	.	.	-	-	-	246,114,339
Bonus & overtime	6,144,761	.	.	-	-	-	6,144,761
Housing allowance	714,460	.	.	-	-	-	714,460
Income in-kind	.	1,013,408	.	-	-	-	1,013,408
Non-subsistence business	58,404,658	.	.	-	.	-28,511,411	29,893,247
Agricultural activities	43,818,863	.	.	-	-6,051,722	.	37,767,141
Fisheries activities	6,635,671	.	.	-	-1,550,549	.	5,085,122
Livestock activities	3,376,528	.	.	-	-453,829	.	2,922,699
Handicraft activities	34,580,407	.	.	-	-4,249,745	.	30,330,662
Subsistence	.	.	28,999,733	-5,297,771	-	-	23,701,962
Total	**399,789,687**	**1,013,408**	**28,999,733**	**-5,297,771**	**-12,305,845**	**-28,511,411**	**383,687,801**

Net profit margins in business are estimated to be 50 percent (i.e., half of revenue is net profit), while the margins are much higher in agriculture, fisheries, livestock, handicrafts and subsistence. This is likely due to an underreporting or undervaluation of labour inputs, however net profit margins are around 90 percent.

The main intermediate expenditure items in business are undifferentiated, followed by salaries, fuel and cost of goods sold, which account for 43, 21, 9 and 7 percent of total intermediate business expenditure (refer Appendix to this section).

In agriculture, intermediate expenditure mainly consists of labour (30 percent), seeds and fertilizer (28 percent), rental of equipment (17 percent) and transportation (11 percent). There are some distinct differences by strata, which can be seen in the appendix to this chapter.

The main intermediate expenditure items in fisheries are fuel, accounting for 68 percent of total intermediate expenditure followed by purchase of equipment (16 percent). This is fairly consistent across each strata.

Animal feed makes up 63 percent of intermediate expenditure in the livestock industry, followed by purchase of animals (16 percent), fencing (9 percent) and labour (8 percent). This is fairly consistent across all islands.

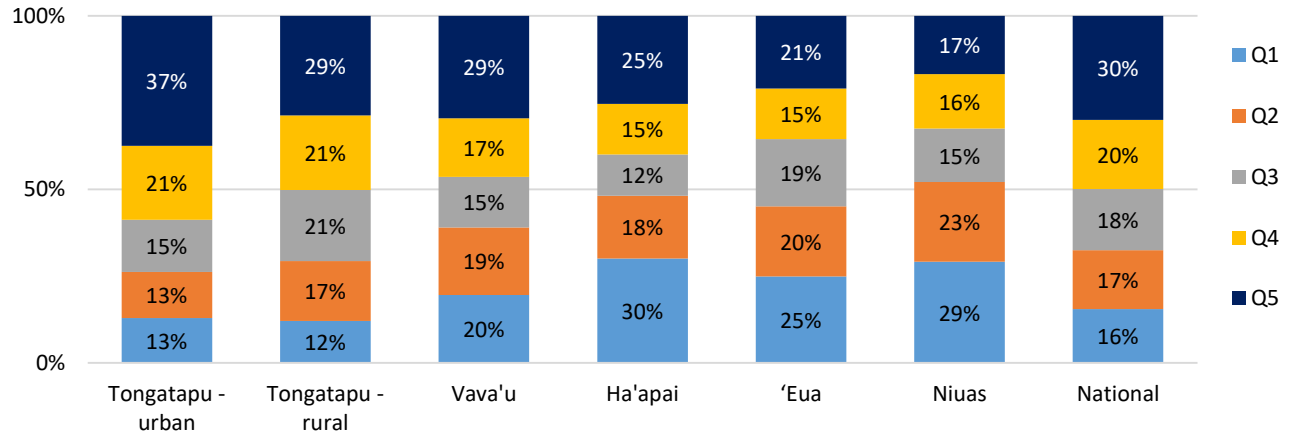
Two-thirds of intermediate expenditure for handicrafts and home processed foods is dedicated to transportation. Labour accounts for 24 percent, followed by materials, which make up 8 percent.

3. Income and expenditure distribution

In looking at the distribution of income and expenditure among HHs, we have already presented average and median income and expenditure by strata. To add to this analysis, we have categorised HHs according to their total income quintile. That is, we've ranked HHs by their level of total annual income and created five groups. The 20 percent of HHs with the lowest annual income are grouped into quintile 1, while the 20 percent of HHs with the highest income are put into quintile 5.

As this is a national income quintile, we can look at the proportion of HHs, by income quintile and strata (Figure 12). The national distribution of HHs is, naturally, an even distribution as the quintiles were derived on a national basis. When we look as Ongo Niua, it can be seen that almost half of all HHs in Ongo Niua are in quintile 1. In fact, 90 percent of HHs in Ongo Niua fall into quintile 3 or less. This is indicative of a much lower level of income in Ongo Niua when compared to national income levels. In general, the outer islands have a higher proportion of HHs in lower income quintiles than those in Tongatapu (both urban and rural). Again, this implies that Tongatapu-based HHs have higher income than those in the outer islands.

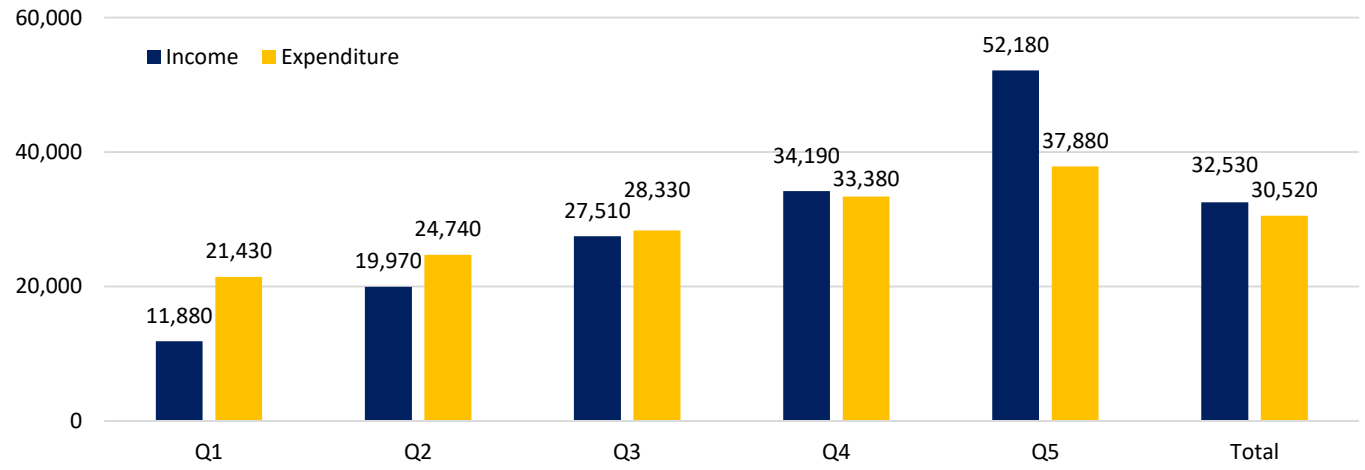
Figure 12: Proportion of HHs is each strata, by national income quintile



When we look at the average income and expenditure by quintile (Figure 15), it shows a large degree if inequality amongs the groups, especially when looking at the highest and lowest quintiles. The highest quintile has an average HH income of TOP 75,000, while the lowest quintile has an average income of TOP 8,500 per annum. There appears to be more equal distribution of expenditure, however average annual expenditure increases throughout the quintiles.

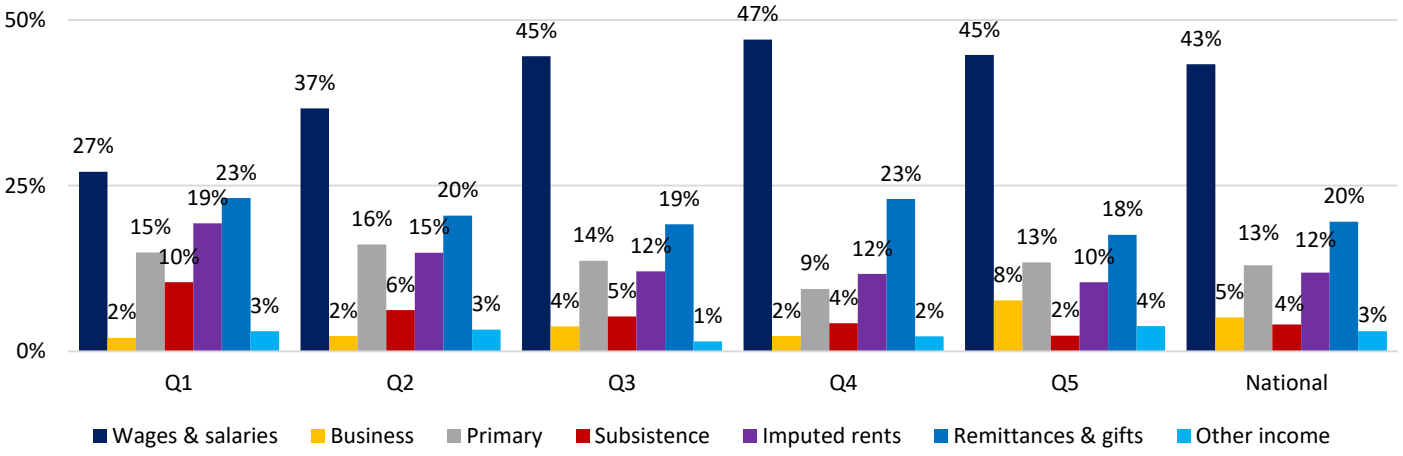
The below figure also shows that expenditure is higher than income for quintiles 1 to 3, while quintiles 4 and 5 show higher levels of income than expenditure (implied savings).

Figure 13: Average annual income and expenditure, by income quintile



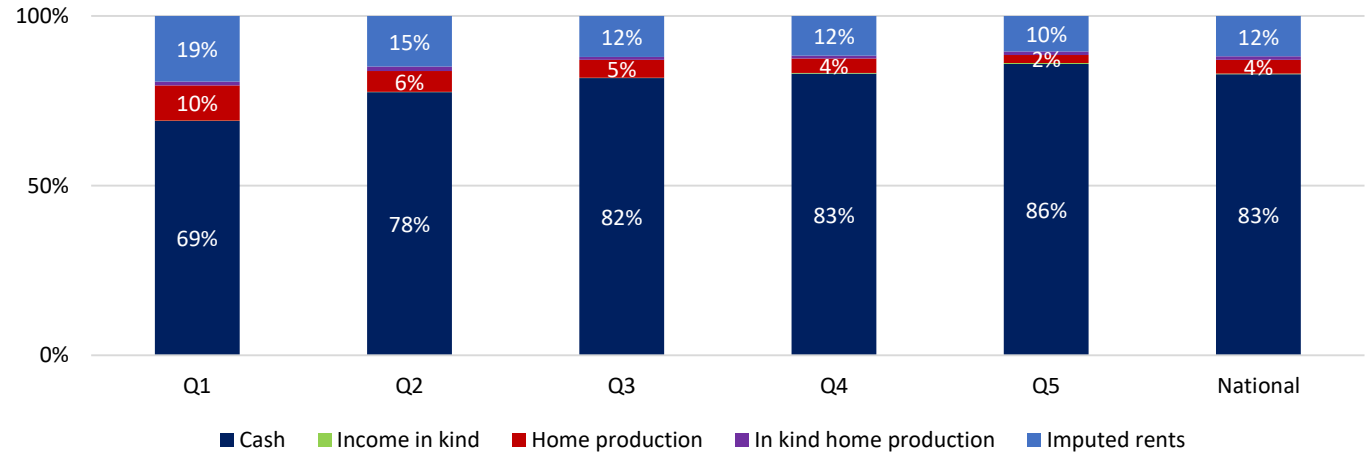
When we look at the composition of HH income, by income category, we can see that wages and salaries become an increaslingly significant contributor to total HH income as income quintile increases. The composition of HH income is far more diverse in lower quintiles as a higher proportion of income is derived from other sources, such as remittances and subsistence. The proportion of HH income derived from remittances is more significant than it is in higher income HHs, which demonstrates the importance of this income source in Tonga.

Figure 14: Composition of HH income, by income category and quintile



Looking at proportion of total HH income, by quintile, we can see that income from cash accounts for the majority of income across all quintiles. However, income from subsistence consumption is more significant in lower quintiles. Imputed rents income has a higher proportion of HH income in lower quintiles.

Figure 15: Composition of income, by income type and quintile



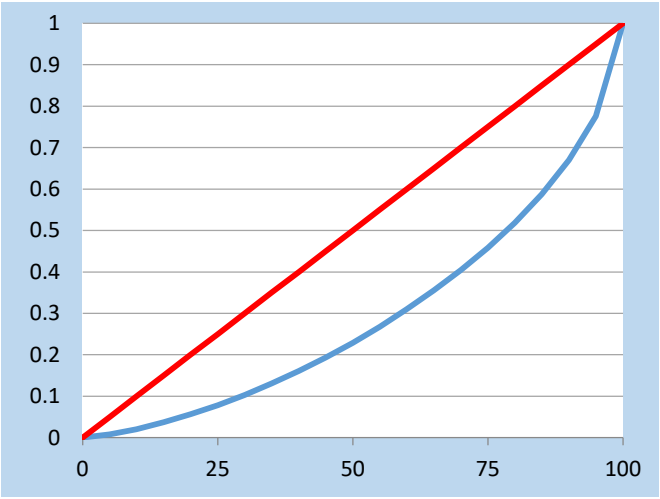
When we look at the composition of HH expenditure, by expenditure category, we do not see a significant difference between lower and upper quintiles (Table 198).

Table 198: Composition of HH expenditure, by income quintile

	Q1	Q2	Q3	Q4	Q5	National
Food And non-alcoholic beverages	38.00%	35.96%	37.08%	33.50%	27.36%	32.63%
Alcoholic Beverages, Tobacco and Narcotic	5.62%	6.04%	5.87%	5.59%	5.43%	5.64%
Clothing and Footwear	1.54%	1.42%	1.50%	1.35%	1.23%	1.36%
Housing, Water, Electricity, Gas	18.23%	19.61%	19.28%	18.95%	22.22%	20.23%
Furnishings, HH Equipment	2.28%	2.27%	2.25%	2.19%	2.32%	2.27%
Health	0.22%	0.21%	0.22%	0.19%	0.28%	0.24%
Transport	10.44%	12.26%	11.17%	15.69%	14.15%	13.33%
Communication	4.03%	4.21%	4.19%	4.34%	3.79%	4.06%
Recreation And Culture	0.89%	0.95%	0.83%	0.67%	0.64%	0.75%
Education	2.21%	1.61%	1.30%	1.47%	1.45%	1.54%
Restaurants And Hotels	1.42%	1.53%	2.03%	2.29%	2.66%	2.18%
Miscellaneous goods and services	3.83%	3.63%	3.44%	3.29%	3.46%	3.49%
Non-Consumption HH Expenditure	10.50%	9.96%	9.95%	9.83%	12.65%	10.99%
HH investment	0.80%	0.32%	0.89%	0.67%	2.36%	1.30%
Total	**100%**	**100%**	**100%**	**100%**	**100%**	**100%**

In the below figure, we present the cumulative distribution of income nationally (left) and by strata (right). The red diagonal line represents perfect distribution of income whereby each HHs has a perfectly equal share of income, so as the population increases by, say 20 percent, the cumulative income also increases by 20 percent. This, however is not the case in Tonga where an unequal distribution of income is present. Looking at the national figure (left), we can see that around 50 percent of the lowest income HHs account for 20 percent of national income. To put this another way, half of the highest income earning HHs account for 80 percent of national income. The top 20 percent income HHs (income quintile 5) account for around 45 percent of total HH income. This trend is similar across each strata.

Figure 16: Lorenz curve (income)



We can present this unequal distribution of income by using the Gini coefficient (Table199). A perfectly equal distribution of income would result in a Gini coefficient of 0. A national Gini coefficient of 0.4 is not extreme income inequality, it is a moderate degree of income inequality. The lower the Gini index, the more equal income is distributed across the population, so Ha'apai and 'Eua are thought to have a larger degree of income equality than other strata.

Table 199: Gini coefficient, by strata

Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	National
0.444	0.397	0.405	0.451	0.36	0.423	0.417

4. Additional analysis tables

Table 200: National annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	246,114	-	-	-	-	-	246,114
Bonus & overtime	6,145	-	-	-	-	-	6,145
Housing allowance	715	-	-	-	-	-	715
Income in-kind	-	1,013	-	-	-	-	1,013
Non-subsistence business	58,405	-	-	-	-	-28,511	29,893
Agricultural activities	43,819	-	-	-	-6,052	-	37,767
Fisheries activities	6,636	-	-	-	-1,551	-	5,085
Livestock activities	3,377	-	-	-	-454	-	2,923
Handicraft activities	34,580	-	-	-	-4,250	-	30,331
Subsistence	-	-	29,000	-5,298	-	-	23,702
Total	**399,790**	**1,013**	**29,000**	**-5,298**	**-12,306**	**-28,511**	**383,688**

Table 201: Tongatapu (urban) annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	74,496	-	-	-	-	-	74,496
Bonus & overtime	1,682	-	-	-	-	-	1,682
Housing allowance	8	-	-	-	-	-	8
Income in-kind	-	371	-	-	-	-	371
Non-subsistence business	28,214	-	-	-	-	-13,170	15,044
Agricultural activities	3,331	-	-	-	-760	-	2,571
Fisheries activities	1,395	-	-	-	-348	-	1,047
Livestock activities	411	-	-	-	-82	-	328
Handicraft activities	5,277	-	-	-	-599	-	4,678
Subsistence	-	-	1,858	-878	-	-	980
Total	**114,813**	**371**	**1,858**	**-878**	**-1,789**	**-13,170**	**101,205**

Table 202: Tongatapu (rural) annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	171,619	-	-	-	-	-	171,619
Bonus & overtime	4,463	-	-	-	-	-	4,463
Housing allowance	707	-	-	-	-	-	707
Income in-kind	-	642	-	-	-	-	642
Non-subsistence business	30,190	-	-	-	-	-15,341	14,849
Agricultural activities	40,487	-	-	-	-5,291	-	35,196
Fisheries activities	5,241	-	-	-	-1,203	-	4,038
Livestock activities	2,966	-	-	-	-372	-	2,594
Handicraft activities	29,304	-	-	-	-3,651	-	25,653
Subsistence	-	-	27,142	-4,420	-	-	22,722
Total	**284,977**	**642**	27,142	-4,420	**-10,517**	**-15,341**	**282,483**

Table 203: Vava'u annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	24,051	-	-	-	-	-	24,051
Bonus & overtime	1,076	-	-	-	-	-	1,076
Housing allowance	-	-	-	-	-	-	0
Income in-kind	-	56	-	-	-	-	56
Non-subsistence business	4,763	-	-	-	-	-3,182	1,581
Agricultural activities	10,002	-	-	-	-1,086	-	8,916
Fisheries activities	582	-	-	-	-113	-	469
Livestock activities	532	-	-	-	-125	-	407
Handicraft activities	7,334	-	-	-	-166	-	7,168
Subsistence	-	-	7,425	-449	-	-	6,975
Total	**48,339**	**56**	**7,425**	**-449**	**-1,489**	**-3,182**	**50,699**

Table 204: Ha'apai annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	9,098	-	-	-	-	-	9,098
Bonus & overtime	219	-	-	-	-	-	219
Housing allowance	-	-	-	-	-	-	-
Income in-kind	-	1	-	-	-	-	1
Non-subsistence business	433	-	-	-	-	-265	168
Agricultural activities	3,691	-	-	-	-15	-	3,676
Fisheries activities	145	-	-	-	-76	-	69
Livestock activities	325	-	-	-	-6	-	319
Handicraft activities	1,928	-	-	-	-90	-	1,838
Subsistence	-	-	3,379	-242		-	3,137
Total	**15,838**	**1**	**3,379**	**-242**	**-186**	**-265**	**18,526**

Table 205: 'Eua annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	74,496	-	-	-	-	-	74,496
Bonus & overtime	1,682	-	-	-	-	-	1,682
Housing allowance	8	-	-	-	-	-	8
Income in-kind	-	371	-	-	-	-	371
Non-subsistence business	28,214	-	-	-	-	-13,170	15,044
Agricultural activities	3,331	-	-	-	-760	-	2,571
Fisheries activities	1,395	-	-	-	-348	-	1,047
Livestock activities	411	-	-	-	-82	-	328
Handicraft activities	5,277	-	-	-	-599	-	4,678
Subsistence	-	-	1,858	-878	-	-	980
Total	**114,813**	**371**	**1,858**	**-878**	**-1,789**	**-13,170**	**101,205**

Table 206: Ongo Niua annual HH employment income, including intermediate expenditure (TOP)

	Cash	In-kind	Subsistence	Int exp (Subsistence)	Int exp (Primary)	Int exp (Business)	Total
Wages & salaries	1,622	-	-	-	-	-	1,622
Bonus & overtime	7	-	-	-	-	-	7
Housing allowance	1	-	-	-	-	-	1
Income in-kind	-	37	-	-	-	-	37
Non-subsistence business	13	-	-	-	-	-3	11
Agricultural activities	459	-	-	-	-7	-	452
Fisheries activities	39	-	-	-	-13	-	26
Livestock activities	28	-	-	-	-2	-	26
Handicraft activities	776	-	-	-	-5	-	770
Subsistence	-	-	775	-18	-	-	757
Total	**2,945**	**37**	**775**	**-18**	**-28**	**-3**	**3,708**

Table 207: Annual intermediate expenditure, by income category and strata (TOP)

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	'Eua	Ongo Niua	Total
Business - Salaries	-1,202	-4,520	-312	-	-	-	-6,034
Business - Goods for resale	-175	-473	-2,001	-107	-34	-	-2,790
Business - Electricity	-506	-205	-347	-30	-2	-	-1,089
Business - Water	-232	-10	-1	-13	-	-	-256
Business - Communication	-28	-	-	-	-	-	-28
Business - Fuel	-684	-1,293	-26	-15	-	-3	-2,021
Business - Raw materials	-409	-4	-68	-	-	-	-482
Business - Repair and maintenance of assets	-42	-349	-3	-1	-5	-	-401
Business - Building rental	-949	-122	-133	-	-	-	-1,204
Business - Equipment rental	-1,394	-943	-2	-9	-	-	-2,348
Business - Registration / licenses	-327	-243	-5	-16	-	-	-591
Business - Other / Unlisted	-7,222	-3,679	-285	-74	-8	-	-11,268
Agriculture - Transportation of goods	-185	-689	-80	-9	-54		-1,018
Agriculture - Labour	-411	-1,666	-505		-182	-16	-2,780
Agriculture - Fencing and enclosure	-26	-69	-294	-4	-18	-7	-417
Agriculture - Rental of equipment	-195	-1,272	-36	-19	-19	-	-1,541
Agriculture - Seedling, seeds and fertilizer	-188	-1,957	-404	-1	-	-	-2,551
Agriculture - Other	-6	-654	-7	-	-	-	-667
Agriculture - Unlisted	-30	-46	-16	-	-	-	-93
Fisheries - Purchase of fishing equipment	-231	-128	-7	-	-25	-	-391
Fisheries - Transportation of catch	-6	-80	-29	-14	-45	-1	-176
Fisheries - Labour	-33	-	-	-	-13	-	-46
Fisheries - Ice	-36	-15	-27	-3	0	-	-82
Fisheries - Fuel	-65	-769	-95	-228	-341	-12	-1,510
Fisheries - Other	-4	-	-8	-	-1	-	-13
Fisheries - Unlisted	-38	-12	-20	-	-4	-	-73
Livestock - Animal feed	-335	-444	-55	-43	-6	-	-883
Livestock - Fencing and enclosure	-4	-27	-70	-15	-	-4	-121
Livestock - Transpiration of animals and goods	-1	-21	-11	-1	-	-	-33
Livestock - Purchase of animals	-	-193	-6	-	-	-	-200
Livestock - Labour	-	-23	-80	0	-2	0	-105
Livestock - Veterinary	0	-7	-1	-	-	-	-8
Livestock - Other	-26	-	-1	-	-	-	-27
Handicrafts - Materials for making handicrafts	-111	-218	-35	-1	-26	-2	-392
Handicrafts - Transportation of goods	-687	-2,261	-121	-90	-172	-4	-3,333
Handicrafts - Labour	-47	-1,040	-31	-	-25	-	-1,144
Handicrafts - Unlisted	-	-	0	-	-	-	0
TOTAL	**-15,837**	**-23,434**	**-5,121**	**-693**	**-982**	**-48**	**-46,115**

Table 208: Distribution of intermediate expenditure within each income category, by strata

	Tongatapu - urban	Tongatapu - rural	Vava'u	Ha'apai	‘Eua	Ongo Niua	Total
Business - Salaries	9%	38%	10%	-	-	-	21%
Business - Goods for resale	1%	4%	63%	40%	69%	-	10%
Business - Electricity	4%	2%	11%	11%	4%	-	4%
Business - Water	2%	0%	0%	5%	-	-	1%
Business - Communication	0%	-	-	-	-	-	0%
Business - Fuel	5%	11%	1%	6%	-	100%	7%
Business - Raw materials	3%	0%	2%	-	-	-	2%
Business - Repair and maintenance of assets	0%	3%	0%	0%	10%	-	1%
Business - Building rental	7%	1%	4%	-	-	-	4%
Business - Equipment rental	11%	8%	0%	3%	-	-	8%
Business - Registration / licenses	2%	2%	0%	6%	-	-	2%
Business - Other / Unlisted	55%	31%	9%	28%	16%	-	40%
Agriculture - Transportation of goods	18%	11%	6%	27%	20%	-	11%
Agriculture - Labour	39%	26%	38%	-	67%	70%	31%
Agriculture - Fencing and enclosure	2%	1%	22%	12%	7%	30%	5%
Agriculture - Rental of equipment	19%	20%	3%	58%	7%	-	17%
Agriculture - Seedling, seeds and fertilizer	18%	31%	30%	3%	-	-	28%
Agriculture - Other	1%	10%	1%	-	-	-	7%
Agriculture - Unlisted	3%	1%	1%	-	-	-	1%
Fisheries - Purchase of fishing equipment	56%	13%	4%	-	6%	-	17%
Fisheries - Transportation of catch	1%	8%	16%	6%	10%	8%	8%
Fisheries - Labour	8%	-	-	-	3%	-	2%
Fisheries - Ice	9%	1%	15%	1%	0%	-	4%
Fisheries - Fuel	16%	77%	51%	93%	79%	92%	66%
Fisheries - Other	1%	-	4%	-	0%	-	1%
Fisheries - Unlisted	9%	1%	11%	-	1%	-	3%
Livestock - Animal feed	92%	62%	25%	73%	75%	-	64%
Livestock - Fencing and enclosure	1%	4%	31%	25%	-	100%	9%
Livestock - Transpiration of animals and goods	0%	3%	5%	2%	-	-	2%
Livestock - Purchase of animals	-	27%	3%	-	-	-	15%
Livestock - Labour	-	3%	36%	0%	25%	0%	8%
Livestock - Veterinary	0%	1%	0%	-	-	-	1%
Livestock - Other	7%		0%	-	-	-	2%
Handicrafts - Materials for making handicrafts	13%	6%	19%	1%	12%	33%	8%
Handicrafts - Transportation of goods	81%	64%	65%	99%	77%	67%	68%
Handicrafts - Labour	6%	30%	17%		11%		23%
Handicrafts - Unlisted	-	-	0%				0%

APPENDIX 1: DEFINITIONS AND CLASSIFICATIONS

1. Expenditure

This section provides information on the formation of the expenditure categories and their hierarchal structure, including the adoption of the classification of individual consumption by purpose (COICOP) for classifying HH consumption expenditure, and definitions of expenditure types.

Formation of the expenditure categories

In order to best classify the expenditure data to provide the most meaningful and easily interpretable results to readers, the format of the expenditure categories was based on Resolution 1 from the Seventeenth International Conference of Labor Statisticians. This resolution proposes the following breakdown for classifying expenditures, which is how the HH expenditure aggregates are presented in the report:

1. Consumption expenditure:
    a. HH consumption expenditure: the value of consumer goods and services acquired, used or paid for by a HH through direct monetary purchases, own-account production, barter or as income in-kind for the satisfaction of the needs and wants of its members.
    b. other consumption expenditure: the value of consumer goods and services acquired or used by the HH through transfers from the government, non-profit institutions or other HHs.
2. Non-consumption expenditure: expenditures incurred by a HH as transfers made to the government, non-profit institutions and other HHs, without acquiring any goods or services in return for the satisfaction of the needs of its members.
3. Investment: covers expense items incurred by HH members for financial security or accumulation of significant assets, such as a house (including improvements of the house) and machinery.

A description of each of the above expenditure categories is provided below.

Consumption expenditure

For tabulation purposes, the report separates consumption expenditure into 12 divisions conforming to COICOP guidelines. This results in the formation of, and categorisation of all expenditure items into, the following 12 divisions (and their hierarchal sub-sets):

1. Food and non-alcoholic beverages
2. Alcoholic beverages, tobacco and narcotics
3. Clothing and footwear
4. Housing, water, electricity, gas and other fuels
5. Furnishings, HH equipment and routine HH maintenance
6. Health
7. Transport
8. Communication
9. Recreation and culture
10. Education
11. Restaurants and hotels
12. Miscellaneous goods and services

Following the COICOP hierarchy, all consumption expenditures are categorised following the below structure:

1. Category (1 to 12 above)
    1.1. Group
        1.1.1. Class
            1.1.1.1. Sub-class
                1.1.1.1.1. Commodity

Non-consumption expenditure

The non-consumption expenditure category is divided into sub-categories of importance to the Pacific region. The five main subcategories include:

1. Cash donations to ceremonies and special events (e.g., weddings, funerals, birthdays)
2. Cash donations to HHs
3. Cash donations to church
4. Cash donation to other (e.g., school, association, community)
5. Taxes and fines

The above sub-categories within the non-consumption expenditure category, as mentioned above, are HH expenditures that are not associated with the acquisition of a good or a service. With exception of taxes and fines, non-consumption expenditure is mostly associated with charity or support provided to other HHs, religious or community organisations.

Investment expenditure

The investment expenditure category is divided into sub-categories of irregular, asset accumulation associated expenditure, including:

1. Land purchase
2. House purchase and/or major alteration of dwelling
3. Purchase of plant of equipment (incl. boats)
4. Amortisation of a mortgage (loan repayments)

These expenditure sub-categories are irregular and are treated differently to consumption expenditure in the system of NA, even though the expenditure was incurred in exchange for a good or service.

Formation of the expenditure types

To add further value to the data set and expenditure analysis, HH expenditure is also categorised by expenditure type. Five expenditure types have been used, which include:

1. Cash purchases – goods and services that were paid for with cash (or equivalent, such as EFTPOS) and consumed by the HH being interviewed
2. Home production (subsistence) – the gross value of goods that were home produced and consumed by the HH being interviewed (this is the opportunity cost of consuming the home produced and consumed goods), otherwise known as subsistence value
3. Cash gifts – goods and services that were cash-purchased (or equivalent) and gifted to another HH
4. Home produced gifts – goods that were home produced and gifted to another HH
5. Imputed rents - the estimated value of the services that an owner-occupied dwelling delivers the HH (as reported by the HH, but with some adjustments where deemed necessary)
6. In-kind – the value of in-kind income that is provided by the employer (and therefore, consumed by the HH and, as such, also reported as expenditure to balance this income and expenditure type)

2. Income

This section provides information on the formation of the income categories and their hierarchal structure, including the adoption of the Pacific classification of income (PACCOI) for classifying HH income, and definitions of income types.

Formation of the income categories

As with expenditure, the main consideration to the categorisation of different HH income sources was to present the data in a logical and easily interpretable structure. As such, six income categories have been used, which are set out below.

Employment income

Includes monetary or in-kind receipts in return for participation in economic activities in an employment-related capacity. This income category consists of three general components, as follows:

1. Employee benefits – mainly comprises of cash-based wages and salaries for time worked plus any bonuses, gratuities, commissions, tips or directors feed, and it also includes in-kind (non-cash) income, such as goods and services provided as employee benefits.
2. Self-employment – is income as a result of self-employment activities, such as dividends paid to HHs for their ownership in a business (but excluding shareholder dividends from enterprises for which they are not responsible for day-to-day management of), net income from the sale of primary produce (agriculture, fisheries, livestock, handicrafts), and the estimated net value of own-account subsistence production that is consumed by the HH.
3. Subsistence – note that the net estimated value of home produced and consumed goods are classified as employment income, despite no cash being exchanged.

Property (capital) income

Is defined as receipts that arise from the ownership of assets that are provided to others to use. These are returns, usually monetary, from financial assets (interests and dividends not included in 1b), from non-financial assets (e.g., housing rents) and from royalties (return for services of patented or copyright material). Interest receipts are payments received from accounts with banks, building societies, credit unions and other financial institutions, certificates of deposit, government bonds or loans, securities, debentures and loans to non-HH members. Dividends are receipts from investment in an enterprise in which the investor does not work. Pensions and annuities in the form of dividends from voluntary private insurance schemes are also included. Rents are payments received for the use of both unproduced assets (i.e., natural resources), such as land, and for produced assets, such as houses. Rents should be recorded net of expenses (i.e., they should be recorded and collected separately from other consumption expenditures, so they can be treated as both income and expenditure). Royalties are receipts from writings and rights to make use of inventions (i.e. patented or copyrighted materials).

Transfer income

Are receipts for which the recipient does not give anything to the donor directly in return. Transfers can consist of cash, goods or services. The components of transfer income, and their description, are:

1. Social security – allowances generated from government-sponsored social insurance schemes, such as unemployment and disability benefits.
2. Superannuation / pension – employer-sponsored social insurance schemes, including retirement benefits, education allowances and medical benefits.
3. Child support – allowances generated from government-sponsored child support schemes, including one-off payments (e.g., baby bonus) and ongoing government (or other) child support assistance, including child-care support. It also included payments from a previous spouse to assist with living expenses of children.
4. Alimony – support paid to a previous spouse (spousal maintenance) during marriage separation or upon divorce.
5. Grants, scholarships and other grants – cash paid to the HH to support, for example, HH living, investment, health, travel or education. This is only reported if the cash is paid to the HH, not directly to the institution (e.g., government pays directly to the school).
6. Other transfer income – refers to transfer income not elsewhere classified (NEC).

Casual receipts

HH income covers all receipts received by the HH (or individual HH members) at annual, or more frequent, intervals. It can include income from the sale of property or major assets (e.g., vehicles), inheritance, gambling winnings, or any receipts NEC.

Gifts and remittances

In the Pacific, many gifts (cash, cash purchased goods or home-produced goods) are received by HHs, whether from another HHs (inside or outside of Tonga) or from community groups. This is an important income source and, as such, has its own income category. Cash remittances are classified as being for: church gift; traditional ceremony; funeral; birthday or wedding; living support; undifferentiated or other. Cash purchased gifts are categorised by COICOP division, while home-produced gifts are classified by industry and specific-product. All the remittances refer to cash remittances received.

Imputed rents

Is the income derived from the consumption services that an owner-occupied (or live for free) dwelling delivers to the HH. These services consists of the net estimated value of housing services and the value of services from access to HH durables. In other words, imputed rents are the estimated net rental amount that an OO HH estimates that it would receive if the dwelling was rented on the commercial market (with some adjustment for improbably estimates, where possible). These services fall under the general production boundary of the system of NA.

Formation of the income types

To add further value to the analysis, the questionnaire was structured in such a way that allows differentiation between income types, or how the income was realised by the HH. The income types that we differentiate by, include:

1. Cash income
2. Subsistence income
3. Home produced gifts
4. Imputed rents
5. In-kind income

Further explanations for each are provided below.

Cash income

Cash income accounts for most of the income that HHs receive because the majority of HH income is sourced from wages and salaries. All receipts from wages and salaries, business, agriculture, fisheries, livestock, handicrafts, property, transfer and casual income are cash-type income sources.

Subsistence income

Subsistence income only covers the net value of home produced and consumed goods. If the HH sells the home produce it is categorized as a cash income because cash was generated from the sale.

Home produced gifts

Any home produced (e.g., agricultural, fisheries and livestock harvests) and gifted items are reported as both income and expenditure. On the income and expenditure side, both are reported as gross values as the income derived from home produced goods received for free is valued at the market equivalent (i.e., if the goods were purchased), while the expenditure is valued as the opportunity cost of selling (e.g., the expense of gifting is the income lost from not selling that good at market prices).

It should be noted that cash-purchased gifts are not reported in the income aggregates, only the expenditure categories. This is to avoid double counting of income. The value of cash-purchased gifts is collected and included in the HIES data set, however the methodology for understanding the income category from which the cash purchase was made is too complex (e.g., to avoid double counting, we would need to deduct each cash income category by the value of the cash purchased gifts from the cash income category that financed the purchase of that gift – the current collection methodology does not allow this and this is not considered to be a significant issue).

Imputed rents

Imputed rents, treated as both income (e.g., the gross value of the services delivered to the OO HH) and expenditure (e.g., the opportunity cost of not selling those services, or the cost of consuming those services) are non-cash income and expenditure items, but they're important to include to ensure that the value of these services are reported (and used in national account estimates) and to ensure that the income and expenditure of OO HHs is comparable to that of renting HHs.

In-kind income

In-kind income is the estimated value of non-monetary employee benefits, such as, food, transport, communication, health and education. In-kind income is reported as both income and expenditure. The income is the value of the goods and services that are provided by the employer and the expenditure is associated with the consumption of these goods and services.

3. Standard classifications

The Pacific regional standardised HIES methodology adopts the following standardised classifications.

Consumption expenditure

Consumption expenditure is classified using the Pacific classification of individual consumption according to purpose (Pac-COICOP), which is based on the international COICOP classification system that was developed by the United Nations Statistics Division. The Pac-COICOP hierarchal structure is the same, but at lower levels (sub-class and commodity), it includes goods and services that are commonly consumed (and in some cases, uniquely) in the Pacific region.

Income classification

Income is classified using the regionally standardised Pacific classification of income (PACCOI), which was designed by SPC in consideration of Pacific income sources. The income categories follow the main PACCOI divisions, which are further disaggregated following the following structure:

1. Category (6 in total)
    1.1. Group
        1.1.1. Class
            1.1.1.1. Sub-class

Industry classification

All productive activities are classified according to the international standard industrial classification (ISIC). It is important to note that the level of disaggregation is limited given: HIES is a survey; limited opportunity and need to build field worker capacity to collect detailed industry information; and HH participation in industries in the Pacific – particularly, those related to primary production – are often informal and mixed. Due to the sample size and limited capacity of the enumerators and, despite numerous efforts to recode the data set, disaggregation beyond ISIC group (3-digits) is not recommended.

Occupation classification

The international standard classification of occupations (ISCO) that was developed at the Seventeenth International Conference of Labour Statistical (ICLS) at International Labour Office (ILO) is applied to classify occupations in HIES. Similar disaggregation issues exist with those of ISIC and it is on this bases that HIES data only be disaggregated by sub-major groups (2-digits).

CSPro HIES database

The data entry system, the dictionary and HIES database were designed using CSPro. Although there are some coding differences between countries, the database structure is regionally standardised, which allows for cross-country comparisons.

4. Definitions

This section provides information on the definitions and terms used within the report to assist with interpretation.

HH head

The HH head is nominated by the HH members and, with exception of the HH head having to be an adult, there are no criteria for selection of the HH head. That is, the HH head is not necessarily the main income earner or the person responsible for management of HH finances. In the Pacific, the oldest person or the man who own the HH if often, due to cultural reasons, selected as being the HH head. Considering this, the use of HH head as a variable to determine differences in income or expenditure by, for example, age or gender of HH head, doesn't make a lot of sense due to the lose criteria of nominating the HH head.

Despite this, some tabulations are provided that look at variation in income and expenditure by characteristics of the HH head. HH composition is often a more useful classification to use when comparing income and expenditure of different HH structures.

Gross and net income

All employment income figures are reported as net. Property, transfer, casual, gifts and remittances, and imputed rents are reported as gross, although is it assumed that there are few transaction costs associated with these income sources (perhaps with exception of property and imputer rents income), so the gross figures are assumed to closely resemble the net figures.

Subsistence

Subsistence income and expenditure refers to the value of home-produced goods that are consumed by the HH. Subsistence income is reported as net, as the income realised by consuming these goods is net of their cost of production, while the expenditure is reported as gross because of the opportunity cost of consuming the good rather than selling it.

Average HH and per capita

Unless otherwise specified, averages are calculated as the numerator divided by the total number of HHs or persons respectively.

Attempts have been made to report the total number of HHs or persons reporting an item.

Quintile

A quintile represents one-fifth of the population (HHs) grouped by their total expenditure. Quintile 1 represents 20% of the HHs with the lowest expenditure, while quintile 5 represents 20% of the HHs with the highest expenditure.

APPENDIX 2: SAMPLING ERRORS

The tables in this section present the RSEs for the income and expenditure aggregates. It is beyond the scope of this report to present sampling errors at a finer level of disaggregation, however it should be noted that, as specified in Section 6, there is an increased degree of error with finer levels of disaggregation, especially where income and expenditure categories have few transactions and the sample is relatively small (e.g., Ongo Niua).

As a general guide, the below thresholds can be used to help with interpretation of the RSEs and to guide the robustness of each aggregated income and expenditure estimate.

Table 209: Data quality thresholds

RSE	Classification
< 5%	Very good
5% to < 10%	Good
10% to < 20%	Usable
20% to <30%	Use with caution
30% +	Potential for high degree of error

1. Relative sampling errors for expenditure aggregates

Table 210 presents the standard error and the RSE for the total expenditure aggregates, by strata. In accordance to the data quality thresholds presented above, it can be seen that total RSE of 3 percent (i.e., national HH expenditure estimates) are very good. As this is disaggregated by strata, the total annual HH expenditure estimates, by strata, have a range of 4 to 13 percent, making the strata disaggregated total annual HH expenditure estimates within being good (Tongatapu urban and rural, and Vava'u and Ha'apai) and usable ('Eua and Ongo Niua).

Table 210: Total HH expenditure, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	137,000,000	5,462,000	4.0%	126,000,000	147,000,000
Tongatapu - rural	273,000,000	14,400,000	5.3%	245,000,000	302,000,000
Vava'u	77,600,000	4,231,000	5.5%	69,200,000	86,000,000
Ha'apai	32,900,000	2,889,000	8.8%	27,200,000	38,600,000
'Eua	23,200,000	2,422,000	10.4%	18,500,000	28,000,000
Ongo Niua	5,900,000	739,000	12.5%	4,441,000	7,362,000
Total	**549,600,000**	**16,400,000**	**3.0%**	**517,000,000**	**582,000,000**

RSEs for total HH consumption expenditure, by strata, have a lower degree of error than the total expenditure, which can be attributable to a lower proportion of HHs reporting investment and non-consumption expenditure, than those reporting consumption expenditure. The national RSE for total annual HH consumption expenditure is 2.9 (very good) and ranging from 3.7 to 9.1 percent (good), by strata.

Table 211: Total HH consumption expenditure, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	121,000,000	4,443,000	3.7%	113,000,000	130,000,000
Tongatapu - rural	243,000,000	12,600,000	5.2%	218,000,000	267,000,000
Vava'u	66,800,000	3,779,000	5.7%	59,400,000	74,300,000
Ha'apai	26,200,000	1,674,000	6.4%	22,900,000	29,500,000
'Eua	20,400,000	1,854,000	9.1%	16,700,000	24,000,000
Ongo Niua	4,958,000	410,000	8.3%	4,150,000	5,700,000
Total	**482,000,000**	**14,100,000**	**2.9%**	**454,000,000**	**510,000,000**

Non-consumption expenditure RSE's are higher, indicating a lower precision in estimates, especially when disaggregated by strata. Overall, national non-consumption expenditure estimates have an RSE of 6 percent, which is good, however RSE's by strata range from 8 (good) to 56 percent (potential for a high degree of error). Caution should be heeded to in the use of non-consumption expenditure estimates in Ha'apai, 'Eua and Ongo Niua.

Table 212: Total HH non-consumption expenditure, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	12,700,000	1,068,000	8.4%	10,600,000	14,800,000
Tongatapu - rural	28,400,000	2,665,000	9.4%	23,100,000	33,700,000
Vava'u	8,994,000	1,201,000	13.4%	6,600,000	11,400,000
Ha'apai	6,645,000	1,689,000	25.4%	3,300,000	10,000,000
'Eua	2,785,000	693,000	24.9%	1,400,000	4,200,000
Ongo Niua	906,000	511,000	56.4%	0	1,900,000
Total	**60,400,000**	**3,644,000**	**6.0%**	**53,200,000**	**67,600,000**

In terms of cash expenditure, the RSE indicate that the HH expenditure estimates, by strata, are all usable or better (Table 213).

Table 213: Total HH cash expenditure, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	114,000,000	4,952,000	4.3%	104,000,000	124,000,000
Tongatapu - rural	226,000,000	12,400,000	5.5%	202,000,000	250,000,000
Vava'u	57,800,000	3,825,000	6.6%	50,300,000	65,400,000
Ha'apai	25,700,000	2,483,000	9.7%	20,800,000	30,600,000
'Eua	16,200,000	1,870,000	11.5%	12,500,000	19,900,000
Ongo Niua	4,274,000	688,000	16.1%	2,914,000	5,634,000
Total	**443,974,000**	**14,200,000**	**3.2%**	**416,000,000**	**472,000,000**

In terms of subsistence expenditure, the RSE indicate that the HH expenditure estimates, by strata, are all usable or better (Table 214).

Table 214: Total HH subsistence expenditure, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	2,331,000	286,000	12.3%	1,765,000	2,897,000
Tongatapu - rural	15,000,000	1,629,000	10.9%	11,800,000	18,300,000
Vava'u	9,535,000	1,080,000	11.3%	7,400,000	11,700,000
Ha'apai	3,745,000	470,000	12.5%	2,817,000	4,673,000
'Eua	3,541,000	409,000	11.6%	2,732,000	4,350,000
Ongo Niua	851,000	132,000	15.5%	590,000	1,112,000
Total	**35,002,000**	**2,076,000**	**5.9%**	**30,900,000**	**39,100,000**

In terms of HH expenditure on COICOP division 1 (Food and non-alcoholic beverages), the RSE indicate that the HH expenditure estimates, by strata, are all usable or better (Table 215).

Table 215: Total HH cash expenditure on COICOP division 1, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	36,700,000	1,593,000	4.3%	33,600,000	39,900,000
Tongatapu - rural	71,300,000	3,954,000	5.5%	63,500,000	79,100,000
Vava'u	21,500,000	2,168,000	10.1%	17,200,000	25,700,000
Ha'apai	8,260,000	564,000	6.8%	7,145,000	9,374,000
'Eua	5,509,000	655,000	11.9%	4,216,000	6,803,000
Ongo Niua	1,199,000	119,000	9.9%	964,000	1,434,000
Total	**145,000,000**	**4,862,000**	**3.4%**	**135,000,000**	**154,000,000**

2. Relative sampling errors for income aggregates

Table 215 presents the standard error and the RSE for the total income aggregates, by strata. In accordance to the data quality thresholds presented above, it can be seen that total RSE of 4.6 percent (i.e., national HH income estimates) are very good. As this is disaggregated by strata, the total annual HH income estimates, by strata, have a range of 5 to 11 percent, making the strata disaggregated total annual HH expenditure estimates within being good (Tongatapu urban and rural, and Vava'u and 'Eua) and usable (Ha'apai and Ongo Niua).

Table 216: Total HH net income, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	153,000,000	6,943,000	4.5%	139,000,000	167,000,000
Tongatapu - rural	305,000,000	22,900,000	7.5%	260,000,000	351,000,000
Vava'u	74,200,000	3,581,000	4.8%	67,100,000	81,200,000
Ha'apai	27,500,000	2,960,000	10.8%	21,700,000	33,400,000
'Eua	21,200,000	1,979,000	9.3%	17,300,000	25,100,000
Ongo Niua	4,859,000	478,000	9.8%	3,914,000	5,803,000
Total	**586,000,000**	**24,500,000**	**4.2%**	**538,000,000**	**634,000,000**

Looking at RSEs for cash income, it can be seen that national aggregates are very good and, disaggregated by strata, they range from good (Vava'u and Tongatapu) to usable ('Eua, Ongo Niua and Ha'apai).

Table 217: Total HH net cash income, by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	131,000,000	6,616,000	5.1%	118,000,000	144,000,000
Tongatapu - rural	261,000,000	21,200,000	8.1%	219,000,000	303,000,000
Vava'u	54,800,000	3,121,000	5.7%	48,700,000	61,000,000
Ha'apai	20,500,000	2,628,000	12.8%	15,300,000	25,700,000
'Eua	14,300,000	1,600,000	11.2%	11,200,000	17,500,000
Ongo Niua	3,249,000	405,000	12.5%	2,448,000	4,050,000
Total	**485,000,000**	**22,600,000**	**4.7%**	**441,000,000**	**530,000,000**

RSEs for wages and salaries income indicate that the estimates at both the national and sub-national level are precise, with a national RSE of 2.4 percent and all strata being classified as being good or better.

Table 218: Total net wages and salary cash income (incl. bonus and allowance), by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	76,200,000	3,568,000	4.7%	69,100,000	83,200,000
Tongatapu - rural	134,000,000	15,000,000	11.2%	105,000,000	164,000,000
Vava'u	25,100,000	2,716,000	10.8%	19,800,000	30,500,000
Ha'apai	9,317,000	1,428,000	15.3%	6,495,000	12,100,000
'Eua	6,447,000	1,419,000	22.0%	3,643,000	9,252,000
Ongo Niua	1,630,000	406,000	24.9%	828,000	2,431,000
Total	**253,000,000**	**15,800,000**	**6.2%**	**222,000,000**	**284,000,000**

There's a higher degree of error surrounding primary cash income from agriculture, fishing, livestock and handicrafts as fewer HHs derive this form of income than those who derive income from wages and salaries. The national RSE is 8 percent – good – however when we calculate the RSE by strata the below table shows a relatively high degree of error, which ranges from usable (Ongo Niua, Vava'u, 'Eua, Tongatapu) to high potential for error in Ha'apai.

Table 219: Total net primary cash income (agriculture, fishing, livestock and handicrafts), by strata

	Total annual amount	SE	RSE	Total amount 95% Interval	
Tongatapu - urban	8,624,000	1,649,000	19.1%	5,366,000	11,900,000
Tongatapu - rural	37,700,000	5,113,000	13.6%	27,600,000	47,800,000
Vava'u	17,000,000	2,014,000	11.8%	13,000,000	20,900,000
Ha'apai	5,902,000	2,554,000	43.3%	855,000	10,900,000
ʻEua	5,664,000	682,000	12.0%	4,317,000	7,011,000
Ongo Niua	1,275,000	135,000	10.6%	1,008,000	1,541,000
Total	**76,165,000**	**6,318,000**	**8.3%**	**63,600,000**	**88,600,000**

APPENDIX 3: FIELD WORK REFERENCE TABLES AND MAPS

Table 220: 2015/2016 HIES enumeration round schedule

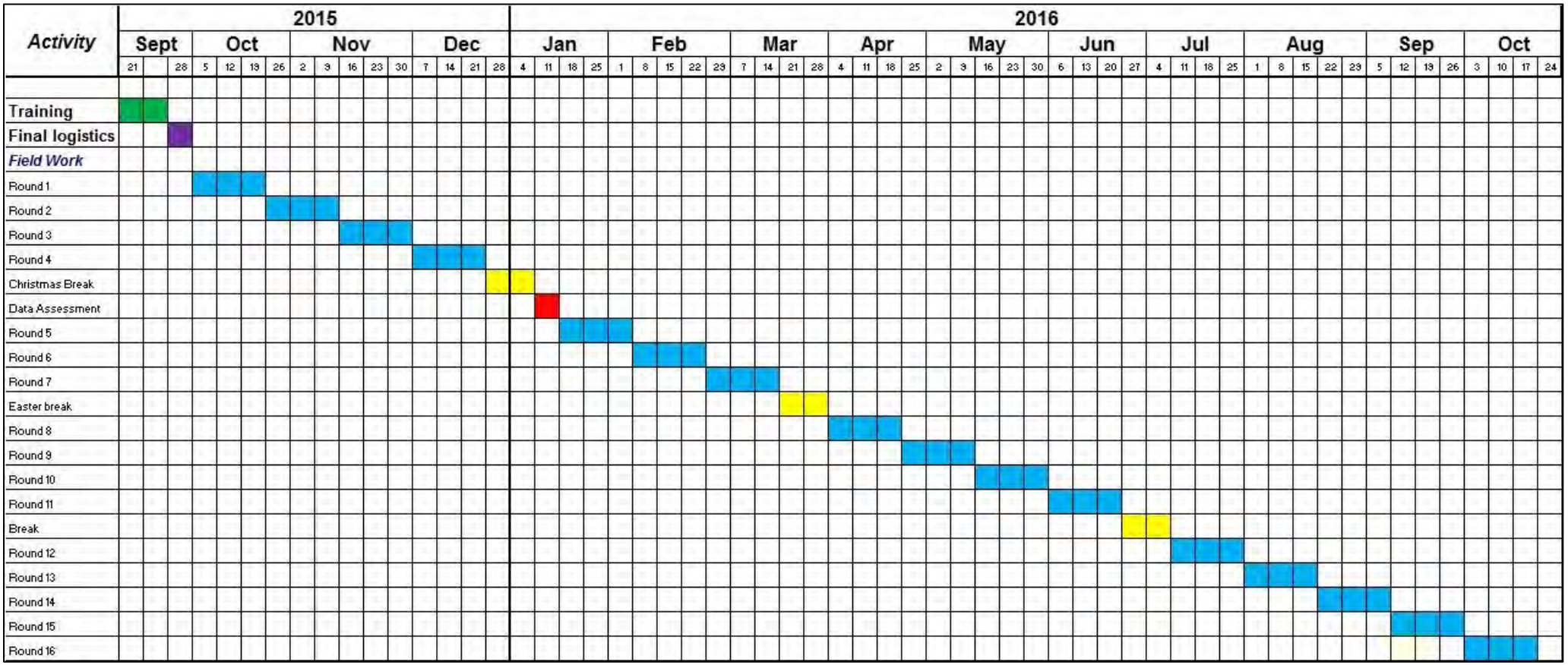


Table 221: 2015/2016 HIES team itinerary (number represents census block ID)

Island Group	TEAM		Training (2 weeks)	Round1	Round2	Round3	Round4	Round5	Round6	Round7	Round8	Round9	Round10	Round11	Round12	Round13	Round14	Round15	Round16
1. Tongatapu	TEAM 1.1	Nuku'Alofa 1	TRAINING IN NUKU ALOFA	Tongatapu urban 1101040	Tongatapu urban 1201020	Tongatapu urban 1101070	Tongatapu urban 1201060	Tongatapu urban 1201080	Tongatapu urban 1101120	Tongatapu urban 1101140	Tongatapu urban 1101160	Tongatapu urban 1201162	Tongatapu urban 1201210	Tongatapu urban 1101191	Tongatapu urban 1101260	Tongatapu urban 1101300	Tongatapu urban 1101330	Tongatapu urban 1101360	Tongatapu urban 1201110
	TEAM 1.2	Nuku'Alofa 2		Tongatapu urban 1102030	Tongatapu urban 1102042	Tongatapu urban 1102052	Tongatapu urban 1102070	Tongatapu urban 1102090	Tongatapu urban 1102121	Tongatapu urban 1102130	Tongatapu urban 1102160	Tongatapu urban 1102180	Tongatapu urban 1102230	Tongatapu urban 1101390	Tongatapu urban 1101411	Tongatapu urban 1101420	Tongatapu urban 1102210	Tongatapu urban 1101212	Tongatapu urban 1101230
	TEAM 1.3	Nuku'Alofa 3		Tongatapu rural 1306021	Tongatapu rural 1308030	Tongatapu rural 1604011	Tongatapu rural 1607010	Tongatapu rural 1307020	Tongatapu rural 1307080	Tongatapu rural 1308072	Tongatapu rural 1309040	Tongatapu rural 1609020	Tongatapu rural 1610041	Tongatapu rural 1701010	Tongatapu rural 1703010	Tongatapu rural 1707022	Tongatapu rural 1711010	Tongatapu rural 1601021	Tongatapu rural 1601041
	TEAM 1.4	Nuku'Alofa 4		Tongatapu rural 1301060	Tongatapu rural 1301090	Tongatapu rural 1302012	Tongatapu rural 1304020	Tongatapu rural 1403010	Tongatapu rural 1404030	Tongatapu rural 1405010	Tongatapu rural 1407010	Tongatapu rural 1501020	Tongatapu rural 1501070	Tongatapu rural 1504010	Tongatapu rural 1507010	Tongatapu rural 1509020	Tongatapu rural 1510020	Tongatapu rural 1206021	Tongatapu rural 1401060
	TEAM 1.5	Nuku'Alofa 5		Tongatapu urban 1201260	Tongatapu rural 1105031	Tongatapu urban 1201040	Tongatapu rural 1203012	Tongatapu urban 1201132	Tongatapu urban 1201140	Tongatapu urban 1201190	Tongatapu urban 1201241	Tongatapu urban 1201290	Tongatapu urban 1201310	Tongatapu rural 1202010	Tongatapu rural 1202042	Tongatapu rural 1202080	Tongatapu rural 1203051	Tongatapu rural 1203072	Tongatapu rural 1204022
2. Vava'u	TEAM 2.1	Vava'u 1		Vava'u 2101013	Vava'u 2201010	Vava'u 2401010	Vava'u 2101050	Vava'u 2101090	Vava'u 2101131	Vava'u 2101150	Vava'u 2103012	Vava'u 2305010	Vava'u 2301010	Vava'u 2503010	Vava'u 2502010	Vava'u 2306020	Vava'u 2403020	Vava'u 2603010	Vava'u 2501020
	TEAM 2.2	Vava'u 2		Vava'u 2101030	Vava'u 2201021	Vava'u 2401030	Vava'u 2101070	Vava'u 2101102	Vava'u 2101141	Vava'u 2102020	Vava'u 2203010	Vava'u 2305030	Vava'u 2302010	Vava'u 2503022	Vava'u 2505020	Vava'u 2402020	Vava'u 2404020	Vava'u 2401050	Vava'u 2105010
3. Ha'apai	TEAM 3.1	Ha'apai 1		Ha'apai 3101020	Ha'apai 3102010	Ha'apai 3104010	Ha'apai 3206010	Ha'apai 3101050	Ha'apai 3102020	Ha'apai 3202010	Ha'apai 3203020	Ha'apai 3101070	Ha'apai 3102040	Ha'apai 3204010	Ha'apai 3302010	Ha'apai 3304010	Ha'apai 3306010	Ha'apai 3401020	Ha'apai 3403010
4. Eua	TEAM 4.1	Eua 1		Eua 4101030	Eua 4207010	Eua 4103010	Eua 4101051	Eua 4101020	Eua 4102010	Eua 4101061	Eua 4104010	Eua 4105010	Eua 4105030	Eua 4201010	Eua 4202010	Eua 4203010	Eua 4205010	Eua 4208010	Eua 4209010
5. Niuas	TEAM 5.1	Niuas 1		Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas	Niuas
				no census blocks selected in Niuatoputapu - 1 stage selection															

Figure 17: Tongatapu team 11 block enumeration schedule

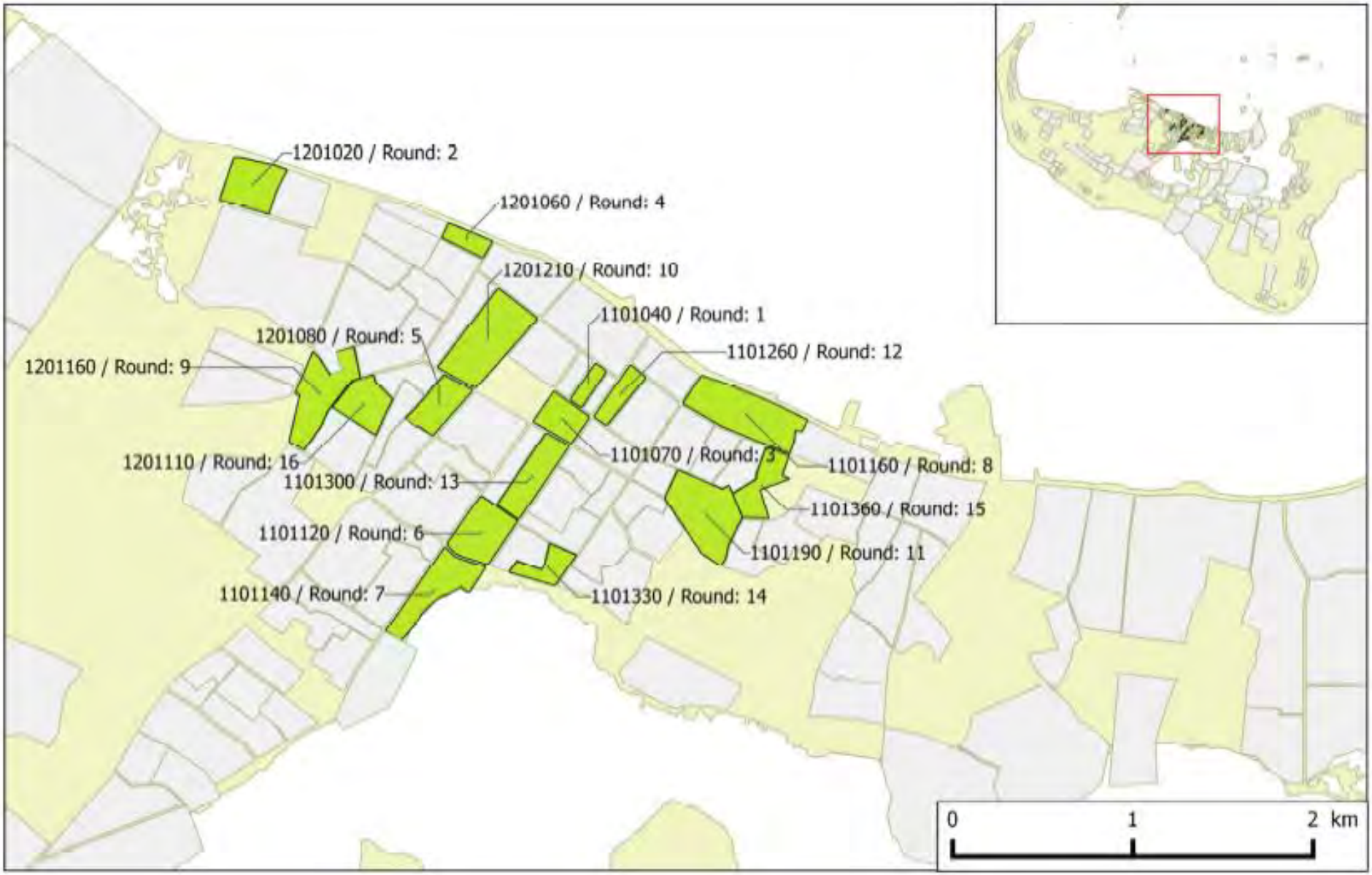


Figure 18: Tongatapu team 12 block enumeration schedule

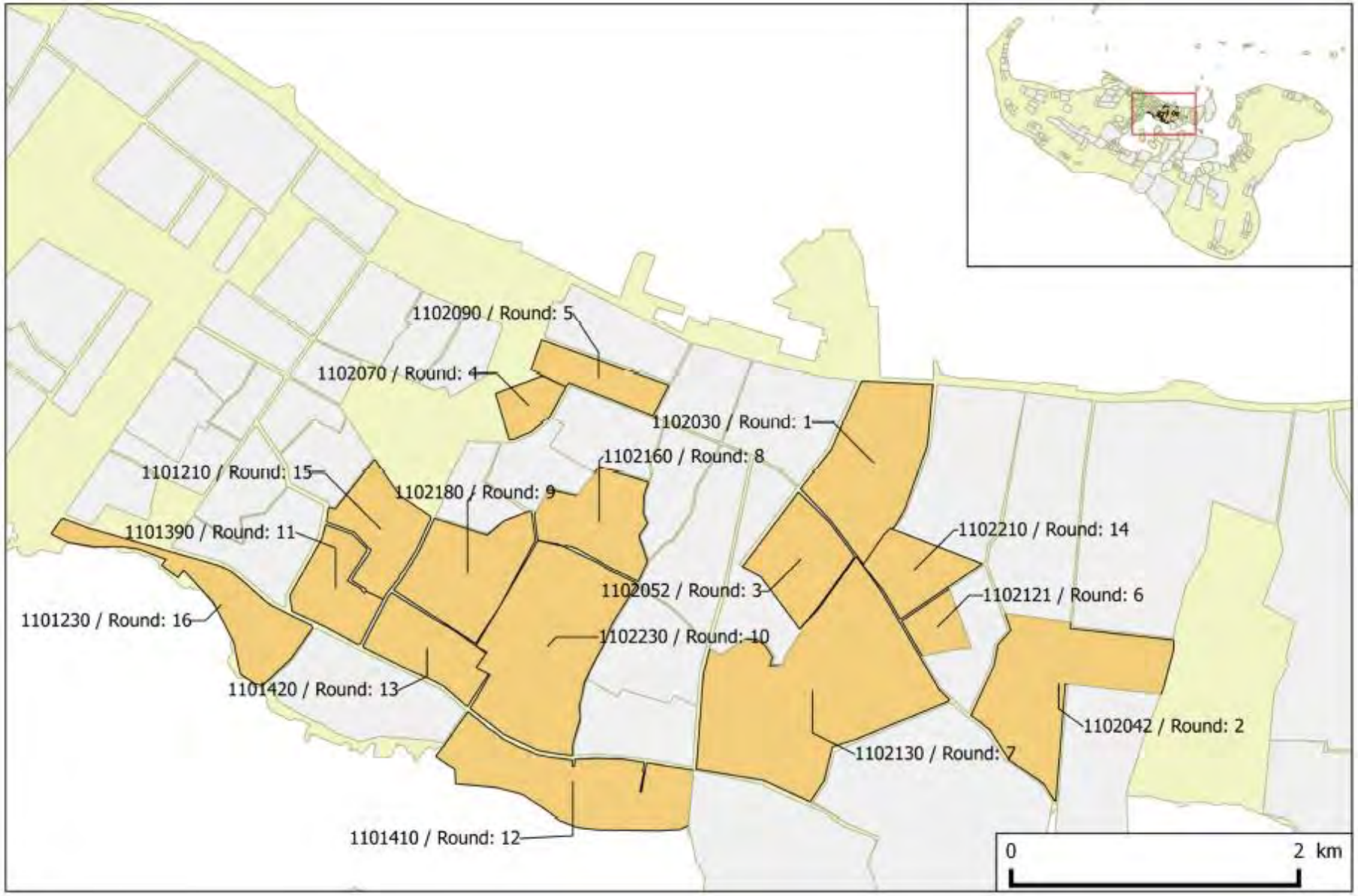


Figure 19: Tongatapu team 13 block enumeration schedule

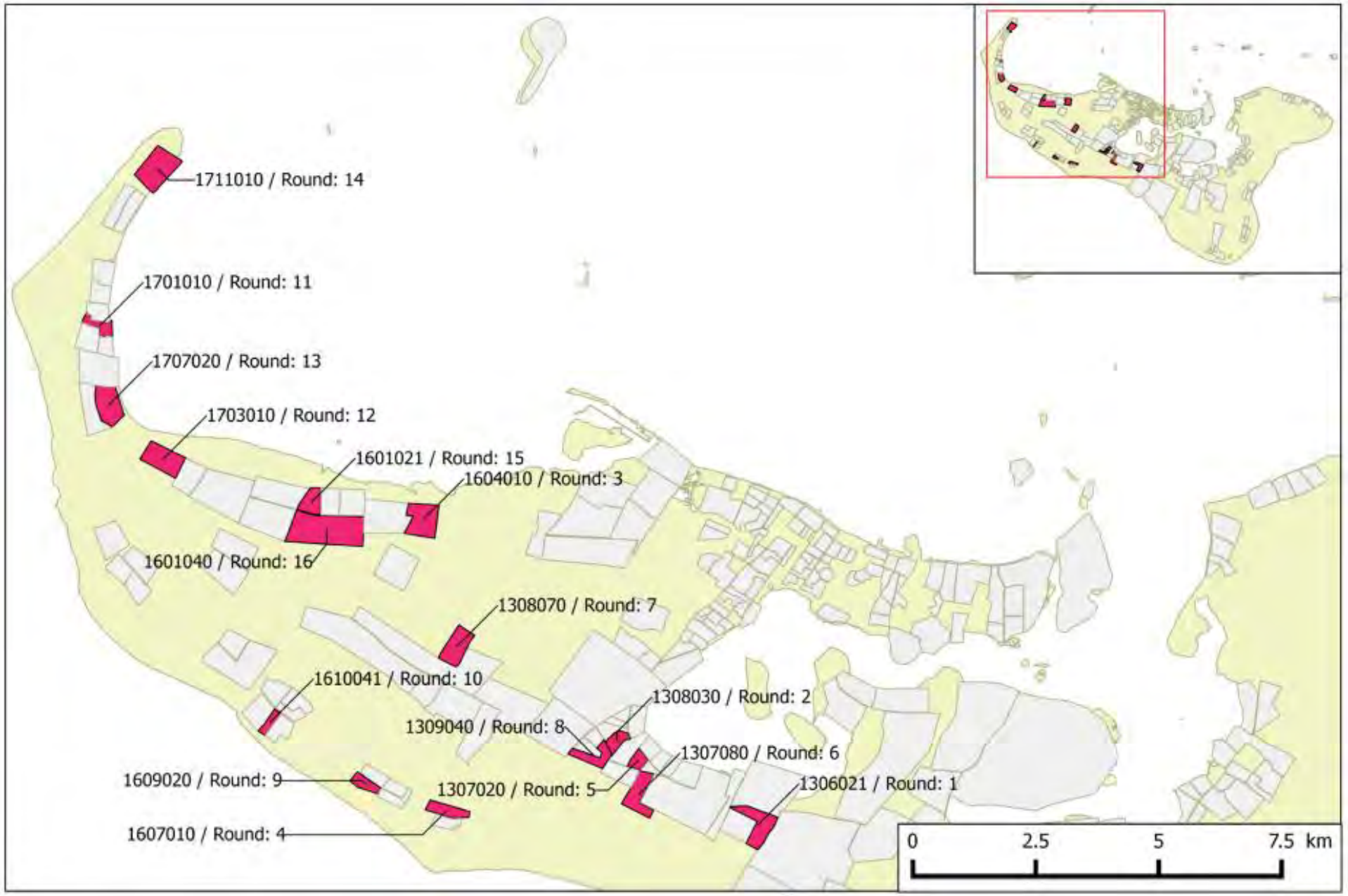


Figure 20: Tongatapu team 14 block enumeration schedule

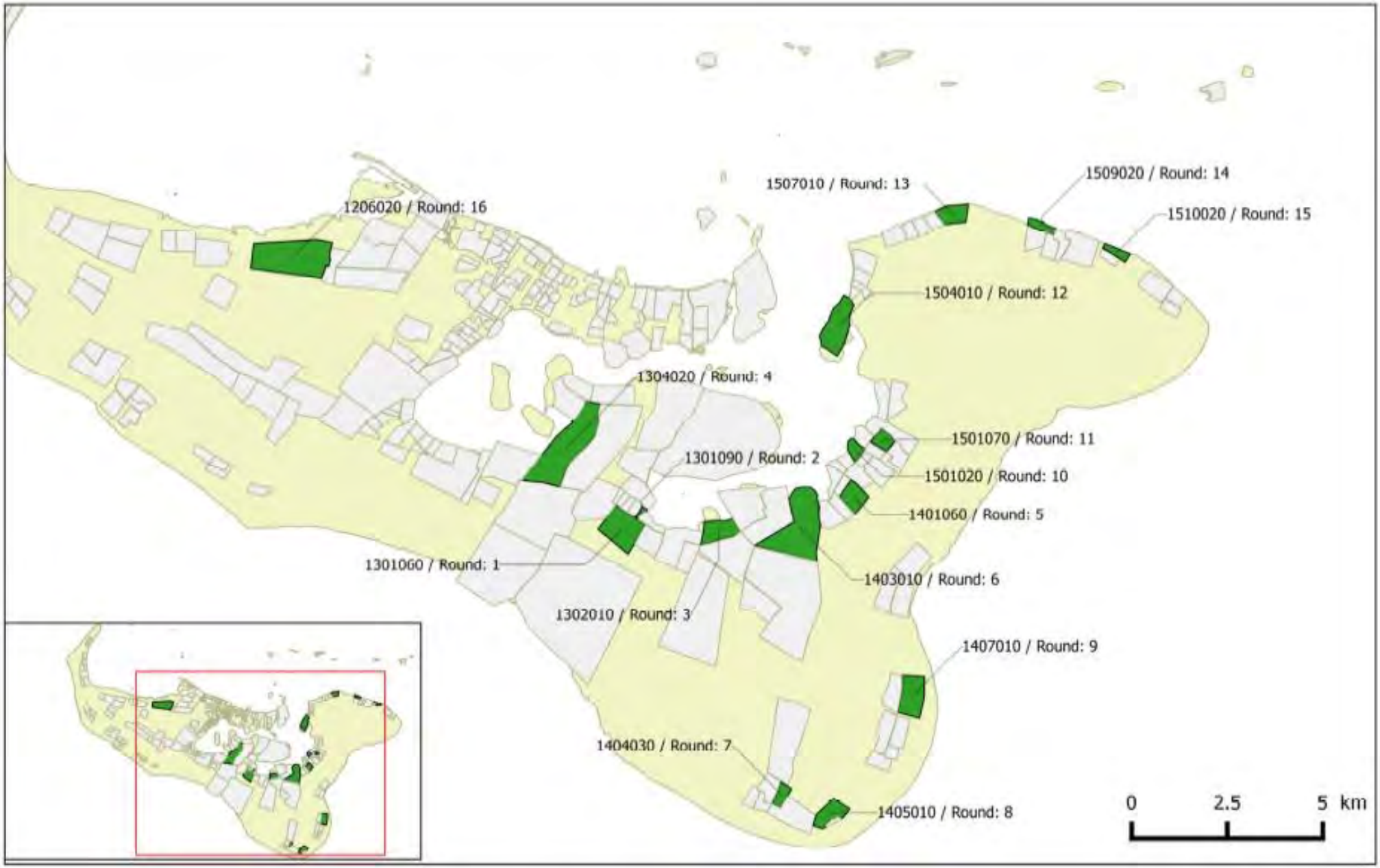


Figure 21: Tongatapu team 15 block enumeration schedule

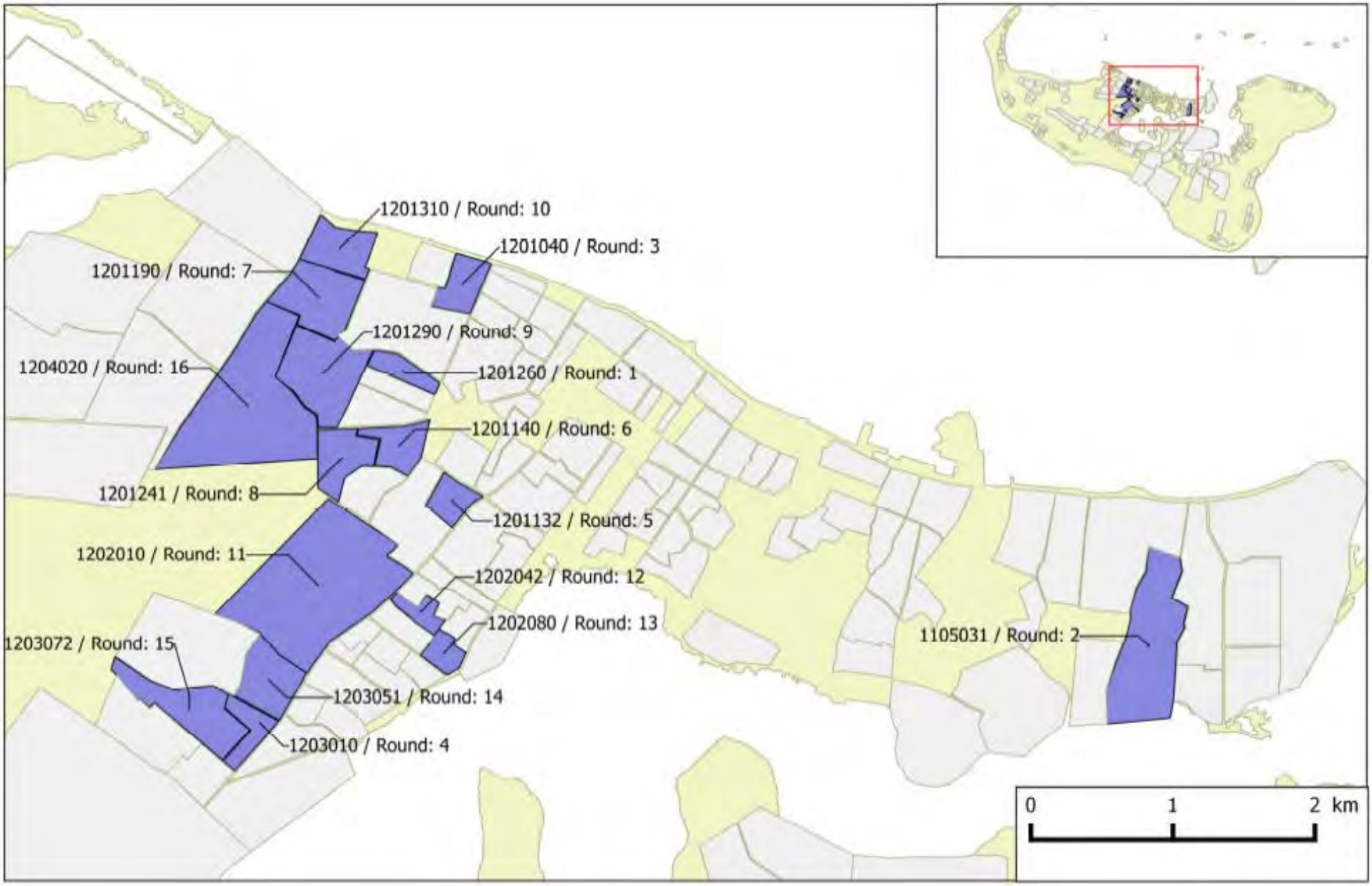


Figure 22: Vava'u team 21 block enumeration schedule

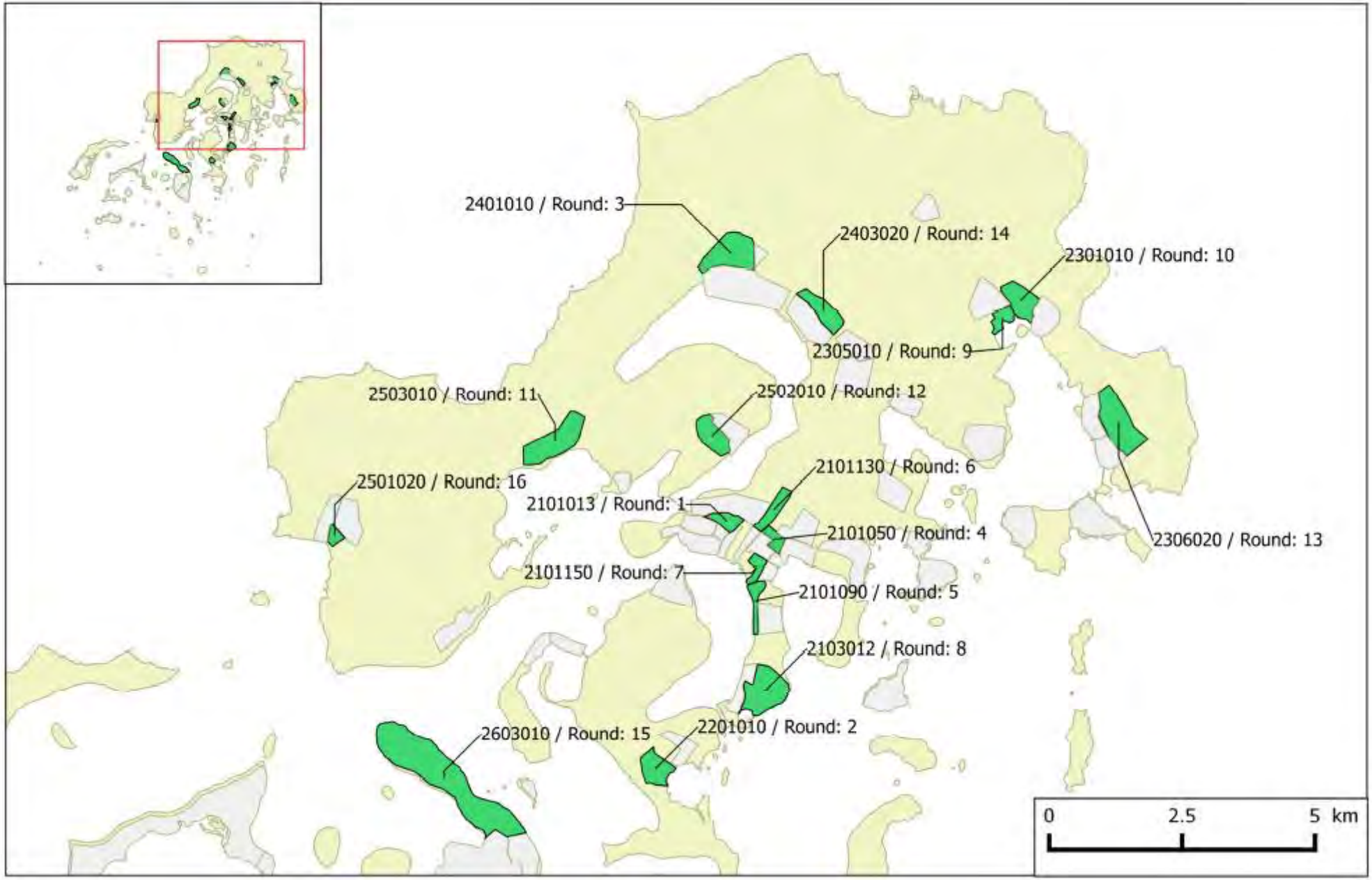


Figure 23: Vava'u team 22 block enumeration schedule

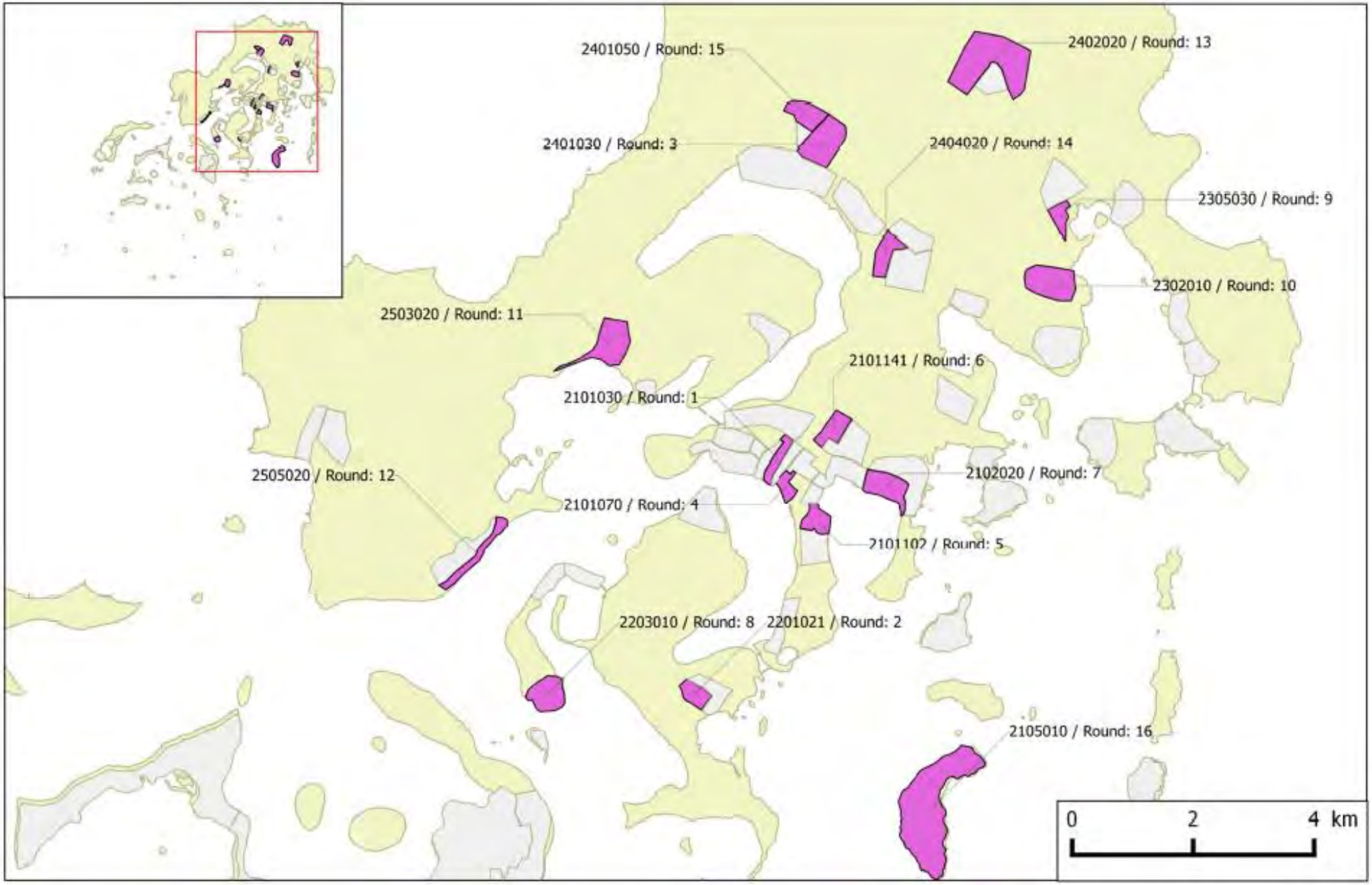


Figure 24: Ha'apai team 31 block enumeration schedule

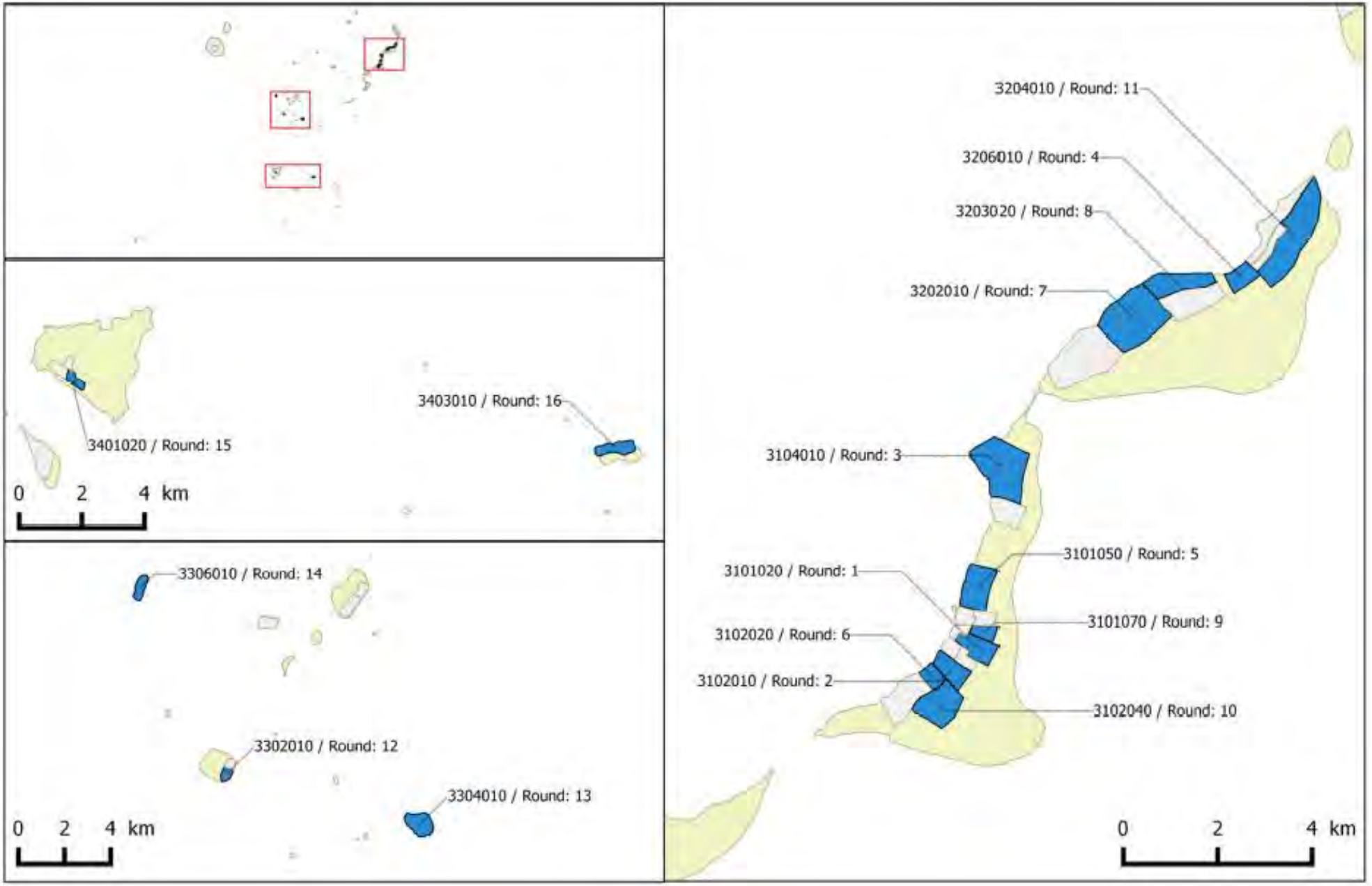
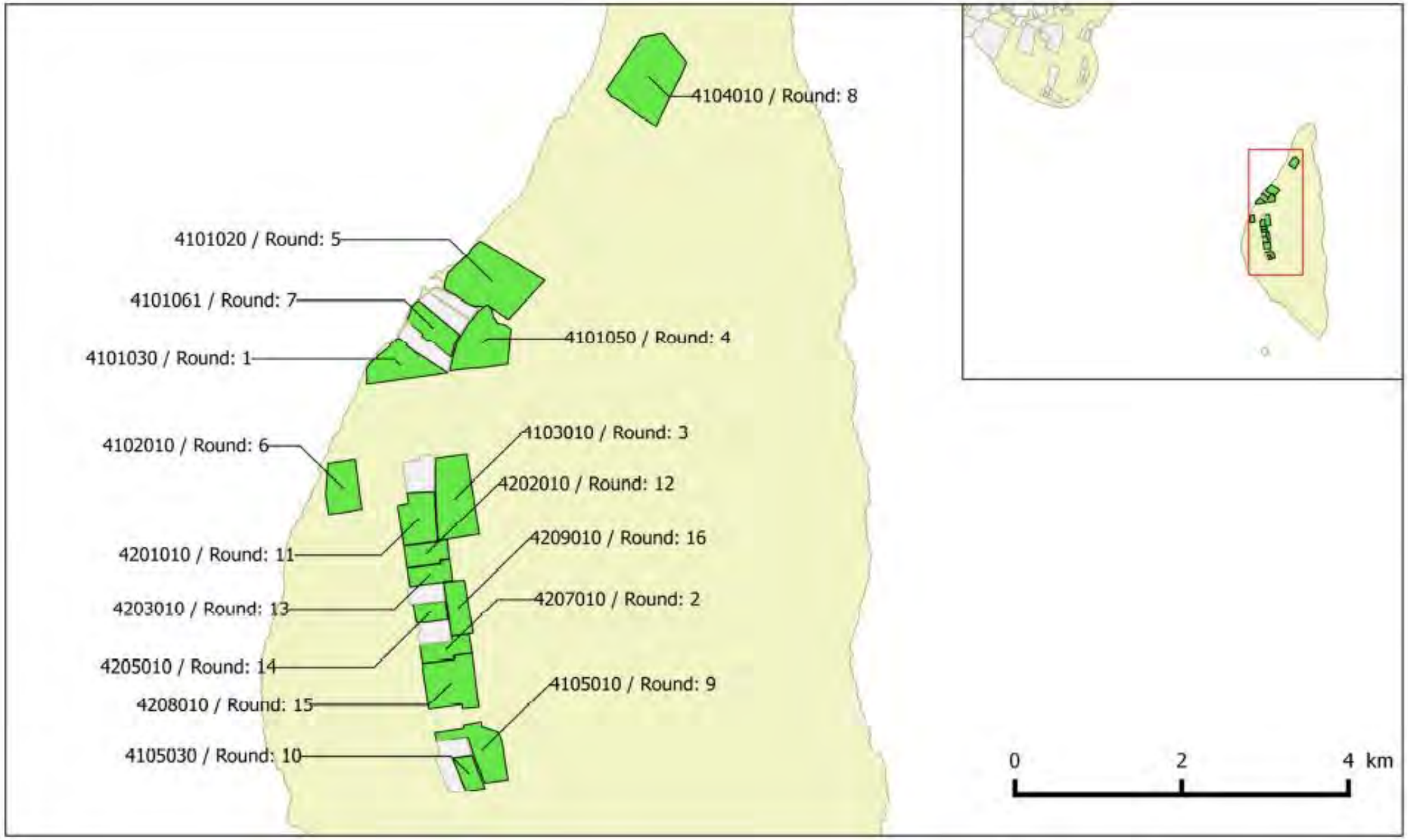


Figure 25: ‘Eua team 41 block enumeration schedule



APPENDIX 4: RESOURCES

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