



**TUVALU GOVERNMENT**  
MINISTRY OF FINANCE, ECONOMIC PLANNING & INDUSTRIES

# Household Income and Expenditure Survey (HIES) 2004/2005

## Final Report

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## **FOREWORD**

It is with great pleasure that I present the “Tuvalu Household Income and Expenditure Survey, 2004/05 Final Report”.

Tuvalu like any other country needs to have information on income and expenditures of our households. This kind of invaluable information is used by policy makers, planners and administrators to formulate policies and programmes for the improvement of the lives of our people.

I would like to thank Asian Development Bank for the financial support and Statistics Programme of the Secretariat Community for their technical assistance. Without their support, this survey would not have been carried out.

I would like to give my sincere thanks to the Government Statistician and his staff in the Central Statistics Division for their hard work in running the survey and writing this report.

Hon. Lotoala Metia  
**Minister of Finance, Economic Planning and Industries.**

## **ACKNOWLEDGEMENT**

The “Household Income and Expenditure Survey (HIES)” is the largest national survey carried out by the Central Statistics Division (CSD) of the Ministry of Finance, Economic Planning and Industries in accordance with international standards. The first survey was carried out in 1994 and this is the second, which provides statistical information on income and expenditure patterns of households in Tuvalu during 2004/05.

This report is the result of the collaborative and cooperative effort between CSD in Tuvalu and the Statistics Programme of the Secretariat of the Pacific Community (SPC), with financial assistance from Asian Development Bank.

I would like to express my gratitude and special thanks to the Government Statistician for his contribution in guiding the survey, from the design phase up to the writing of this report. My appreciation also goes to my colleagues in the CSD who helped me with the data entry, data editing and other duties.

I would also like to express my appreciation and gratitude to the supervisors and enumerators who have done excellent work in collecting the data for this survey. My grateful thanks are also extended to the steering committee and the review committee for their valuable knowledge in steering the survey and reviewing of this report.

Last but not least my appreciation and gratitude also goes to all households in Tuvalu who took part in this survey. I am confident that this report will enable policy makers to make wise and informed decisions to improve living standards in Tuvalu.

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Household Income and Expenditure Survey (HIES) 2004/05

# Contents

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## **PART I**

1. <b>Background</b> .....	1
2. <b>Purpose</b> .....	1
3. <b>Methodology</b>	
3.1 Selection of Sample.....	2
3.2 Eligibility of Households.....	3
3.3 Response Rates.....	3
3.4 Information Collected.....	4
3.5 Calculation of Survey Weights.....	5
3.6 Data Processing and Editing.....	6
3.7 Errors Associated with the Estimates.....	8
3.8 Comparison with External Data.....	10
4. <b>Discussions on Tuvalu HIES 2004/05 Results (Tabulations)</b>	
4.1 Demographic and Social Characteristics.....	15
4.2 Labour Force Status.....	18
4.3 Income.....	20
4.4 Expenditure.....	25
4.5 Dwelling Characteristics.....	26

**Note:** Data in tables might not add up to the total in the table (+/-1) because of rounding

## **PART II Tuvalu Household Income and Expenditure Survey (HIES) Tabulations**

### **Demographic Tabulations**

Table 1: Tuvalu Population of Residents in Private Households.....	29
Table 2: Residents Population By Age Group and Gender .....	30
Table 3: Ethnicity in Tuvalu.....	31
Table 4: Tuvalu Education Attainment.....	32

### **Workforce Table**

Table 5: Work Status.....	33
---------------------------	----

### **Income Table**

Table 6: Average Weekly Income: Income Source by Sex and Island Group.....	35
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### **Expenditure Tabulations**

Table 7A: Household Annual Expenditure by Group.....	37
Table 7B: Total Annual Expenditure By Expenditure Group.....	39
Table 7C: Average Household Expenditure By Expenditure Group.....	41
Table 7D: Average Household Expenditure By Group.....	42
Table 8: Weekly Item Group Expenditure.....	43
Table 9: Weekly Home Produced Food.....	53

### **Household Tabulations**

Table 10: Household Characteristics by Island Group.....	55
Table 11: House Amenities by Island Group.....	58

**Note:** Data in tables might not add up to the total in the table (+/-1) because of rounding.

## **Appendixes**

Appendix I	List of Steering and Review Committee.....	64
Appendix II	List of Supervisors, Data Entry Operators and Enumerators.....	65
Appendix III	List of Coders and Data Processor.....	67
Appendix IV	Tuvalu HIES 2004/05 Budget.....	68
Appendix V	Work Plan.....	70
Appendix VI	Household Control Form.....	73
Appendix VII	Personal Schedule (Questionnaire) .....	74
Appendix VIII	Household Schedule (Questionnaire).....	75
Appendix IX	Weekly Diary.....	90

## **1. Background**

Household Income and Expenditure Surveys are carried out in most parts of the world. They provide information on the living condition, income and expenditure patterns of people and households. The last such survey carried out in Tuvalu took place in 1994, some ten years ago. It was thus decided it was time for Tuvalu to undertake another survey of this nature.

In recognition of the traditional life style, this household survey carried out in Tuvalu during 2004/2005 also collected information on the quantity and value of home produced food and the exchange of goods between households. The survey therefore provides a picture of household participation in the economy and in society.

The survey was carried out over a period of 4 weeks in Funafuti from the 4<sup>th</sup> of November until the 1<sup>st</sup> of December, 2004. For the Outer Islands it also took a period of 4 weeks, from the 2<sup>nd</sup> of May until the 29<sup>th</sup> of May 2005. A total of 459 households from the eight islands of Tuvalu were interviewed.

The data was checked and edited by staff from the Central Statistics Division before the final tabulations and other analysis were produced for this report. This report not only contains the analysis undertaken on the data, but also includes information on the methodology adopted for the survey.

The data set with information on individual households is held by the Central Statistics Division and can be obtained for further analysis if required.

## **2. Purpose**

The main objectives of the survey were:

- To obtain weights for the revision of the Consumer Price Index (CPI) for Funafuti and the extension of the CPI to cover the Outer Islands.
- To provide data for the study of income distribution, food consumption and expenditure patterns.
- To provide information on the income and economic activity of men and women to facilitate studies of gender issues.

- To provide data to estimate the household sector contribution to the national accounts.
- To undertake some poverty analysis

The analysis in this report provides examples of the information useful for all these purposes. For the Consumer Price Index more detailed expenditure information is being obtained from the data set. For the poverty analysis, there are several reports base on data from this report that provide the current picture in Tuvalu in relation to social and economic indicators. It will contribute toward implementation and progress on National Millennium Development Goals (MDG) and the National Strategy for Sustainable Development (Te Kakeega II 2005-2015). It will benefit policy makers in developing and designing future policies and actions.

### 3. Methodology

#### 3.1 Selection of the Sample

Prior to the survey, it was agreed that a 30 per cent sample was sufficient to achieve suitable levels of accuracy for key estimates in the survey. Given the priority was on producing National estimates, this 30% was spread proportionally across islands (ie, each island received a 30 per cent sample. The selections under this approach were:

Island	Number of Dwellings	
	Population	Selected
1. Nanumea	139	42
2. Nanumaga	128	38
3. Niutao	165	50
4. Nui	128	38
5. Vaitupu	252	76
6. Nukufetau	130	39
7. Funafuti	692	208
8. Nukulaelae	70	21
<b>TOTAL</b>	<b>1704</b>	<b>512</b>

For selection purposes, each island was treated as a separate stratum, and independent samples were selected from each. The strategy of selecting the sample was to list each dwelling on the island according to their geographical position. From there, a systematic skip was run through the list in order to achieve the 30 per cent sample. This approach assured that the sample would be spread out across each island as much as possible and thus be more representative.

Although “Dwellings” were selected in the survey, information was collected from “Households”. The main difference between these two definitions is that it was expected that more than one household may belong to a dwelling (although it will be rare). A Dwelling was considered to have more than one Household if there were more than one group of people living in the dwelling that pooled their money and shared food together. For the selected dwellings in this survey, there were six cases identified on Funafuti and none on the Outer Islands.

### **3.2 Eligibility of Households/Persons**

The eligibility rules adopted for the survey were as follows:

**Household:** The household was considered in scope of the survey if they had been residing in Tuvalu for the last 12 months, or if they hadn't, they intend to reside in Tuvalu for at least the next 12 months.

**Person:** For a household considered in scope, the persons within that household were considered in scope (and thus asked the personal form) if they were present for at least one week of the diary-keeping period, and were aged 15 years or over.

### **3.3 Response Rates**

Response rates for the survey were generally good, although they were down a little for some islands. Responses were considered missing for households if the following occurred:

- 1) The dwelling selected in the survey was vacant
- 2) Contact could not be made with the household
- 3) The household was considered out-of-scope
- 4) The household refused to take part in the survey for various reasons
- 5) Incomplete survey material was returned from the household

In the case of the last point above, the household was still included if appropriate imputation techniques could be adopted for the household to account for the missing information. This generally occurred in the cases when only one diary was received, which was then used to estimate expenditure for the second week diary.

The final response rates were as follows:

Island	Number of Households				Response Rate
	Selected	Fully Responded	Refuse/ Incomplete	Vacant	
1.Nanumea	42	41	0	1	97.6%
2.Nanumaga	38	37	0	1	97.4%
3.Niutao	50	36	12	2	72.0%
4.Nui	38	30	8	0	78.9%
5.Vaitupu	76	76	0	0	100.0%
6.Nukufetau	39	39	0	0	100.0%
7.Funafuti	214	179	23	12	83.6%
8.Nukulaelae	21	21	0	0	100.0%
<b>TOTAL</b>	<b>518</b>	<b>459</b>	<b>43</b>	<b>16</b>	<b>88.6%</b>

### 3.4 Information Collected

In preparation for this survey, questionnaires were designed based on the HIES 1994 and other similar surveys that were undertaken by Pacific Island countries recently. These questionnaires were pre-tested before the final questionnaire was adopted.

The four main forms on which used to collect data were:

A **Personal Schedule** which asked for information on employment activity and income for persons 15 years and above.

A **Household Schedule** which recorded information about the dwelling including the structure and facilities available. Large expenses incurred over different recall periods were also collected which included household bills and payments for things such as vehicles, household furnishings, etc.

A **Household Diary** which recorded the expenditure on goods and services and the value of own produce consumed. Gifts given and received were also recorded day by day as well as gambling winnings were also recorded. Two identical weekly diaries were used to cover the survey period of a fortnight.

A **Household Control Form** which records details of each person, age, sex, ethnicity, marital status, educational attainment and activity status. This form also determines which individuals are in scope for the Personal Schedule.

### 3.5 Calculation of the Survey Weights

Given the sample was selected to represent each of the Islands making up Tuvalu; weights were applied to the data in order to generate estimates which reflected the characteristics of the population. Independent samples were selected in each Island (stratum), so weights were derived separately for each Island.

The weights can be simply calculated as the estimated population of households in scope for the survey, divided by the number of responding households for each island. Whilst determining the number of responding households for each island was straight forward, estimating the number of households in scope for the survey was more difficult. For each island, the estimated number of households in scope for the survey was determined as follows:

A list of all dwellings on the island was constructed for selection purposes. From the selected dwellings, the number of households in each was determined (generally 1). A response status for each selected household was then determined. These response statuses included:

#### In scope for the survey

- Fully responding household
- Partially responding household (imputation could be used)
- Partially responding household (can't be used)
- Non-contact, Refusals, Death in Family, etc

#### Out of scope for the survey

- Household had not lived in Tuvalu for more the 12 months, and did not intend to live in Tuvalu for the next 12 months
- Vacant dwellings

Given we did not know how many households were in scope for the survey, we had to estimate this value from the information we have (Census 2002). We could assume that the following two ratios would roughly be equivalent:

$$\frac{\textit{Population : Dwelling}}{\textit{Population : In\_Scope\_Households}} = \frac{\textit{Sample : Dwelling}}{\textit{Sample : In\_Scope\_Households}}$$

Therefore the estimated were the number of households in scope (*Population: In\_Scope\_Hoseholds*) for the survey as being:

$$= \frac{\text{Sample : In_Scope_Households}}{\text{Sample : Dwellings}} \times \text{Population : Dwelling}$$

The weight for each island will then be equal to:

$$\text{Weight} = \frac{\text{Population : In_Scope_Households}}{\text{Re sponding _ Sample : In_Scope_Households}}$$

The resulting weights for each island were

Island	Households in scope of Survey		Weight
	Population	Sample	
1. Nanumea	42	41	3.31707317
2.Nanumaga	38	37	3.37837378
3.Niutao	50	36	4.38888889
4.Nui	38	30	4.26666667
5.Vaitupu	76	76	3.31578947
6.Nukufetau	39	39	3.33333333
7.Funafuti	214	179	3.78531073
8.Nukulaelae	21	21	3.33333333

**NB:** The weight for Funafuti is slightly different as two households were treated as outliers. The weight for these two households was set to 1.00, and the weights for the remaining households were calculated by subtracting 2 from the population and sample figures.

### 3.6 Data Processing and Editing

The data entry system used for the processing of the survey was CSPRO (version 2.5), which had also been used for the recent population census. The data entry application was developed by the Secretariat of the Pacific Community (SPC).

Given the complexity of the questionnaires, the data entry system was divided into three components: one for each type of questionnaire. A separate data entry application was developed for the household schedule, personal schedule (including household control form) and the household diary.

The data entry applications were designed to use skip logic to mimic the skips in the questionnaires. All classification items had range checks as well as lookup reference checks for large classifications (e.g. industry, occupation & commodity items). Additional logic was included in the design to provide the operator with a warning for large dollar amounts. To ensure structural integrity the operators were prompted to verify the primary key identifiers before proceeding with the questionnaire items.

Three PCs were used for the data entry operations – one for each application. Four data entry operators were recruited and two staff of the Statistics Office processed the approx. 460 household questionnaires for Tuvalu. Each operator worked a four-hour shift over a five-week period.

Before beginning the data processing, each data entry operator was trained in a specific data entry application. Instructions were provided in how to operate the system and what to do if they encountered a problem during the data entry operations. Coding staff were available to assist the operators when they came across invalid or incomplete data. The operators verified their work by checking the entered data against the questionnaires. The training was provided by the SPC statistics adviser (Mr. Gregory Keeble) who also supervised the data entry operations.

The questionnaires were processed by batch with each village entered into a separate data file. Once completed the batch was backed-up onto a master PC and checked for structural integrity. A record of the number of questionnaires entered was kept and matched with the master household listing. Any missing questionnaires were noted on the listing and entered into the batch file if the questionnaire was present.

On the field, supervisors have to ensure the forms have been completed satisfactorily. Supervisors have to ensure that all information on the front of the forms has been completed (island number, village number, dwelling number, person number, etc). All questions in the Household Control Form have been completed. Also they must check that all related problems are to be written on the back of each schedule.

The data editing phase of the survey used MS-Excel to perform outlier and consistency checks. A set of edit specifications was prepared based on the recommendations of previous HIES surveys. The editing of the data was performed by the Statistics Office staff with the assistance of the SPC statistics adviser. The HIES data editing was conducted in two parts:

Firstly, the diaries were checked by staff after each batch was completed for unusual dollar amounts. The unit prices were calculated and then checked against the same items across households. Any outlier values were checked against the diary and corrections made where necessary. A log of all the changes was made.

Secondly, consistency checks between data items in the personal and household questionnaires were performed after all batches were appended into a master file. These checks were performed using MS-Excel 'autofilter' and 'vlookup' commands. Where inconsistencies in the personal or household data were found, these were either corrected by coding staff or, if unknown, a visit was made to the household to obtain the missing or incorrect information. A log of these changes was kept.

Once all data had been edited according to the edit specifications the data files were loaded into an Access database and made ready for data aggregation and tabulation.

### **3.7 Errors Associated with the Estimates**

All estimates generated from a sample survey are subject to error. The two main forms of errors are:

**Non-Sample Error:** All other errors which may arise during the conduct of the survey

**Sample Error:** The error associated with enumerating only a sample of households from the population instead of all households

#### ***Non-Sample Error***

Non-sample errors cannot be readily measured. The types of non-sampling errors that may exist for this survey include:

- The exclusion of some dwellings from the sample frame
- The fact that some expenditures are seasonal and the survey covered only a short part of the year
- The vagaries of shipping to Tuvalu which can result in periods of shortage for some items
- Incorrectly recorded responses due to communication problems between interviewer and respondent

Coverage for the survey appeared to be in line with what would be expected. Comparisons between the age structure for the results of this survey and those in the 2002 National Census showed little differences.

For many of the other types of non-sampling error, some of which are listed above, it is extremely difficult to measure the magnitude of its impact.

### **Sample Error**

To gauge the impact of the sample error on the estimates produced throughout this publication, **Relative Standard Errors (RSEs)** were produced for key estimates. The RSE is simply the Standard Error generated for the estimate, divided by the estimate itself (expressed as a percentage). To get a feel for how the RSE can provide an indication of the quality of an estimate a guide to its interpretation is as follows:

RSE < 5%	The estimate is considered very good
5% < RSE < 10%	The estimate is considered good and can be used with reasonable confidence
10% < RSE < 25%	The estimate is considered usable, but with care
RSE > 25%	The estimate is not considered very usable

The formula adopted to compute the SEs listed below assumed that the sample design within each stratum was a simple random sample. Although this wasn't the case (systematic sampling was applied), this is considered an acceptable approximation, and will generally overstate the standard errors slightly.

The RSE generated for key estimates from the survey included the broad income and expenditure variables, for Funafuti, Outer Islands and Tuvalu as a whole. The results of this analysis were:

#### **Expenditure RSE**

<b>Category</b>	<b>Outer Islands</b>	<b>Funafuti</b>	<b>Tuvalu</b>
Food	5.58%	4.51%	3.82%
Housing	11.75%	6.37%	8.62%
Household Operation	5.86%	4.91%	4.32%
Clothing and Footwear	13.36%	9.95%	8.38%
Transport	14.59%	14.15%	11.65%
Tobacco & Alcohol	15.21%	9.56%	10.62%
Miscellaneous	9.48%	9.31%	7.04%
<b>Total Annual Expenditure</b>	<b>5.52%</b>	<b>3.28%</b>	<b>3.83%</b>

#### **Income RSE**

<b>Category</b>	<b>Outer Islands</b>	<b>Funafuti</b>	<b>Tuvalu</b>
Wages & Salary	7.69%	5.07%	4.17%
Business	32.32%	19.90%	16.83%
Agriculture	23.23%	22.70%	15.91%
Fishing	41.00%	50.84%	37.14%
Handicrafts	14.62%	21.60%	11.98%
Small Scale Activities	19.43%	24.99%	16.32%
Remittances (OS)	10.27%	11.31%	7.34%
Other Income	5.01%	10.31%	4.20%
<b>Total Income</b>	<b>3.74%</b>	<b>3.98%</b>	<b>2.64%</b>

### **3.8 Comparison with External Data**

External data such as import data, government payroll and provident fund can be used to measure how accurate data from the survey are. Some of the items being selected are, wages and salary, electricity, alcohol and tobacco, miscellaneous

#### **Wages and Salary**

Provident Fund by law collects 10% for every resident in Tuvalu who is working for wages and salary. On top of that 10%, the employer has to add another 10% on top of the employee 10% contribution. Therefore PF collect 20% of the total person and wages for each year.

For the year 2004 the PF record a total contribution of \$3,202,125.56 from its 3665 members.

Divided by 2 to get the 10% for all member's total salary, comes to \$1,601,062.70. If multiply this number by 10 to get the total wages and salary for the year 2004, it will come to \$16,010,627.

Divided by 12 months to get an estimate for one month will come to **\$1,334,218.90 (gross)**. This survey estimates a figure of **\$837,438.48 (gross)** for wages and salary. This is a difference of about \$496,780.50 (<32.23%). As predicted, people are not eager to reveal the full amount of their wages

and salary. Moreover there were only **2052** people recorded in the survey compare to the **3665** members in the TNPF as being working for wages and salary (including produce to sell).

### **Electricity**

Electricity information collected from the HIES included electricity bills, connection fees and re-connection fees. The values for these items were as follows:

Electricity fees	\$651,419
Connection fees	\$66,499
Re-connection fees	\$6,129
<i>Total</i>	<i>\$724,047</i>

The electricity fees only were compared to the Tuvaluan Electricity Corporation (TEC) figure for the 2004 calendar year. The value provided by TEC was \$654,502, which matches very well with the \$651,419 obtained from the HIES.

### **Alcohol and Tobacco**

#### Beer

Between the period 1/7/2004 and 30/6/2005 it was recorded by customs officials that 104,902 litres of beer was imported into Tuvalu. Given all of this is expected to be cans of full strength beer from Australia (375ml), then it can be estimated that approximately 279,739 (104,902 / 0.375) cans of beer were imported. Not all the beer is expected to be purchased by Tuvaluan households. Visiting ex-pats and Government funded functions would consume these stocks as well. It was estimated by the staff from the CSD, based on local knowledge, that Tuvaluan households would purchase approximately 80% of the imported beer.

The price of a can of beer in Tuvalu ranges from \$1.85 to \$2.30, and can be averaged at approximately \$2.00, given people generally go for the lower price. Therefore it can be estimated that household expenditure on beer for the period 1/7/2004 – 30/6/2005 was:

$$279,739 * 0.8 * \$2.00 = \$447,582$$

From the HIES, it was estimated that approximately \$63,960 was spent by households on the purchase of beer.

### Wine

Between the period 1/7/2004 and 30/6/2005 it was recorded by customs officials that 6,973 litres of wine (normal and sparkling) was imported into Tuvalu. It is expected that a large amount of this wine would be consumed by both ex-pats and by government functions, leaving an estimated 40% being purchased by Tuvaluan residents. Given the estimated average price per litre for wine being sold to locals would be around \$15, the total estimate for household expenditure on wine for the period 1/7/2004 – 30/6/2005 would be:

$$6,973 * 0.4 * \$15.00 = \$41,838$$

From the HIES, it was estimated that approximately \$5,424 was spent by households on the purchase of wine.

### Spirits

Between the period 1/7/2004 and 30/6/2005 it was recorded by customs officials that 5,799 litres of spirits (whisky, rum, gin & other) was imported into Tuvalu. It is expected that a large amount of these spirits would be purchased by locals (approximately 90%). Given the estimated average price per litre for spirits being sold to locals would be around \$25, the total estimate for household expenditure on spirits for the period 1/7/2004 – 30/6/2005 would be:

$$5,799 * 0.9 * \$25.00 = \$130,477$$

From the HIES, it was estimated that approximately \$10,222 was spent by households on the purchase of spirits.

### Cigarettes

Between the period 1/7/2004 and 30/6/2005 it was recorded by customs officials that 4,065,000 cigarette rolls were imported into Tuvalu. The brands of cigarettes vary with Dunhill, Benson & Hedges and Rothmans being the most popular. The vast majority of cigarettes imported would be purchased by Tuvaluan household members, with the 2002 population census indicating that of the 2,470 people who reported to be a smoker, 2,423 were Tuvaluan residents.

The price of cigarettes in Tuvalu varies depending on the size of the pack, and the store from which the purchase is made. It can however be estimated that around 22.5c is paid

per cigarette. We can therefore conclude that household expenditure on cigarettes for the period 1/7/2004 – 30/6/2005 was approximately:

$$4,065,000 * (2,423 / 2,470) * 0.225 = \$897,221$$

From the HIES it was estimated that approximately \$357,813 was spent by households on the purchase of cigarettes.

Alcohol and tobacco is expected to be under-estimate for these kinds of surveys. The reason is because it is a sensitive topic for everyone. When filling one's diary, a person will not always write down the exact number of beers he drank or cigarette he smoke during the day.

### **Miscellaneous**

Aside from the alcohol and tobacco, it was desirable to select a group of other items to determine, particularly for the diary, how much under-reporting was taking place on average. The items targeted for comparison were a mixture, with the two main criteria being i) they were reasonably significant expenditures, and ii) a suitable, similar definition for the item could be achieved from both sources.

The summary of the comparisons can be found in the table below. The table provides the commodity description, the annual estimate achieved from the HIES, an estimated value for the period 1/7/2004 – 30/6/2005 from customs, and the difference and direction of the difference for the two. In the case of the customs figures, creative techniques were adopted to produce an estimate of how much it was expected households would pay for each item during the one year reference period. Different techniques adopted included:

- i) Taking the total quantity for the commodity and multiplying by the average price households would pay for it in the stores.
- ii) Adding the values provided by customs for FoB, Duty and Sales Tax, and bumping up by a factor to allow for store owners margins (around 1.6)

In each case a factor allowing for what proportion of the commodity would be purchased by households (as opposed to Business and Government) was applied.

<b>Commodity</b>	<b>HIES</b>	<b>Customs Est</b>	<b>Difference</b>	<b>Direction</b>
<b>Apples</b>	\$16,158	\$27,585	70.7%	more
<b>Corned beef</b>	\$227,168	\$855,349	276.5%	more
<b>Chicken</b>	\$737,201	\$641,590	13.0%	less
<b>Cabin biscuit</b>	\$372,102	\$407,905	9.6%	more
<b>Sugar</b>	\$609,651	\$452,055	25.9%	less
<b>Rice</b>	\$828,432	\$673,230	18.7%	less
<b>Coffee</b>	\$63,217	\$566,198	795.6%	more
<b>Toilet paper</b>	\$41,559	\$64,240	54.6%	more
<b>Nappies</b>	\$79,724	\$132,614	66.3%	more

As can be seen from the results above, fairly significant discrepancies appeared for most items, with the difference between the two going each way (ie, the source providing the larger figure was not always the same). There are numerous reasons for these discrepancies which include:

- a) Stock shortages of these items during the survey period
- b) Under-reporting by households for these items
- c) Poor quality customs data for various reasons

## **4 Discussion on Tuvalu HIES 2004/05 Tabulations**

This section discusses the results of the Tuvalu HIES 2004/05. Where possible, comparisons are made and changes in the social, demographic and economic situation of households over the last decade are discussed. Population Census 2002 is also used for discussing the composition of the population as it is more reliable.

This report contain 14 main tables: 4 demographic tables, 1 workforce table, 1 income table, 5 expenditure tables and 3 household tables. All these tables are found in Part II of this report. Also there are 14 tables for poverty analysis in Part III.

### **4.1 Demographic and Social Characteristics**

**Age and Gender:** The estimate total number of households for Tuvalu HIES 2004/05 was 1,671 and the total population for residents in private households is 9,061. There 671 households on Funafuti and 1000 in the Outer Islands. Total usual resident is 8,914 with 4,311 males and 4,603 females (about 107 females per 100 males). Resident population only includes usual residents and visitors present during the survey. Usual residents include only residents who are present and temporarily absent (school, seaman) during the survey (visitors are not included).

For the Tuvalu HIES 1994, the estimated total number of households was 1,528 and the total population for residents in private households was 9,319. When compared to this survey, the total numbers of household have increase from 1,528 to 1,671. This is an increase of 143 households or 9.4% increase. For the 1991 Census, the estimated total number of households was 1,483 and the total population for residents in private households is 9,043. If compared to this survey there is an increase of 188(12.7%) private households and an increase of 18(0.2%) residents.

There is a decrease of 258 people or -2.8% when compare total residents population in the HIES 1994 with this survey. This total residents population for the HIES 1994 is considered not reliable because, the more recent population census in 2002 recorded a figure of 9,561 residents which is more close to this survey figure. There is no difference in the average household size for the Census 1991, HIES1994, Census 2002 and this survey with 6 persons per household (nearest decimal point).

**Residents in Tuvalu Since 1991**

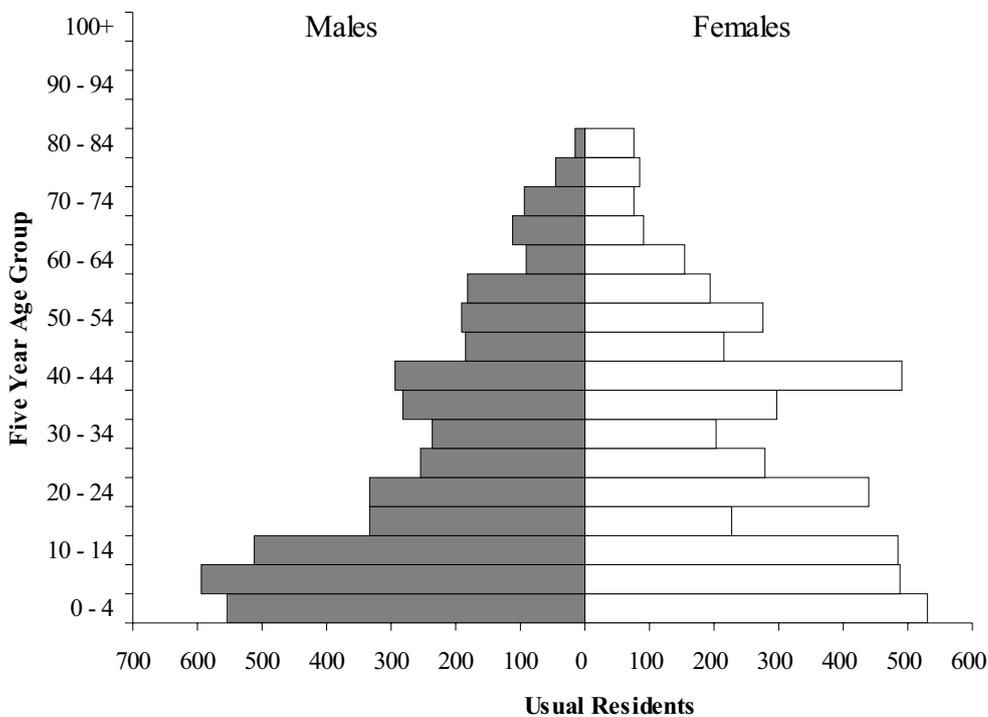
Source	Male	Female	Total
<i>Tuvalu Census 1991</i>	4,376	4,667	9,043
<i>Tuvalu Census 2002</i>	4,726	4,832	9,561
<i>Tuvalu HIES 2004/05</i>	4,404	4,658	9,061

The **ratio by sex** (male: female) for the 1991 and 2002 Census is 0.94 and 0.98 respectively. More males are present than females for the latest census.

This survey ratio by sex is 0.95 and if compared to the Census 2002 there is a decreasing number of males per female.

One reason is that more men are going for overseas jobs such as working on overseas boat as seafarers.

**Tuvalu Usual Residents, HIES 2004/05**



**Source:** *Tuvalu Household Income and Expenditure Survey, 2004/05*

A distinctive feature of the pyramid is the indent of the 15-34- year age groups, meaning that these age groups are much smaller than younger and older groups. The reason for this is because they attend school either in Motufoua Secondary School or overseas. The slight narrowing of the population bar of the 0-4 year olds compared to the 5-9 year olds points to a possible decline in fertility (a reduction of the annual births) in recent years. Family planning awareness programme by the TuFHA (Tuvalu Family Health Association) and the health department have its effect on this decline. This feature is witnessed by the 1994 Household Income and Expenditure Survey and the

Tuvalu Population Census in 2002; respectively they have 1349 and 1156 children in this age group. This is a reduction of nearly 20%. Note however that, since the weighting is based on households rather than population, it is likely that these changes in population are due to sampling method rather than actual population.

A common way to describe a population's age structure is via the **dependency ratio**, which describes the economically dependent component of a country's population as a proportion of its productive component. Internationally this is expressed as the ratio of the young (0-14) plus the old (60+), to the population of working age (15-59).

In the 1991 Census, the dependency ratio is 80 and both the 2002 Census and the Tuvalu HIES 2004/05, the dependency ratio is 82. This means that for every 100 persons of working age, there were 80 persons in the dependent age groups in 1991 and 82 for both 2002 Census and Tuvalu HIES 2004/05. The dependency ratio has increased since 1991, meaning that more people in the old and young age group are dependent on people in the working age group.

**Ethnicity:** Tuvalu population is very homogeneous, 95% being of Tuvaluan descent and another 3.6% being part Tuvaluan descent. Only 135 persons or 1.4% were of foreign descent; they mainly I-Kiribati or other Pacific Islanders. There are more people of Tuvaluan descent in the outer islands than Funafuti – 97% and 94% respectively.

**Ethnicity in Tuvalu,**

<b>Ethnicity</b>	<b>Funafuti</b>	<b>Outer Islands</b>	<b>Total</b>
Tuvaluan	3990	4630	8621
Part-Tuvaluan	197	108	305
I-Kiribati	26	72	98
Other	20	18	37
<b>Total</b>	<b>4234</b>	<b>4828</b>	<b>9061</b>

**NB:** Numbers are rounded therefore total may not be exact.

**Source:** Tuvalu Household Income and Expenditure Survey, 2004/05

**Highest Education Attainment:** The education level of a population is a key indicator of the development and quality of life of a country. Education plays an important role in development through its links with demographic, as well as economic and social factors. There is a complex relationship between educations, fertility; morbidity and mortality- that is better educated couples tend to have fewer children, their children healthy status improves and their survival rates tend to increase.

When comparing the 1991 and 2002 Population Census, there is a decrease in the number of people (15+) without formal education (from 33.74% to 22.4%). However this is not the case if we compare the two HIES survey. As shown below, there is an increase in the number of people without formal education. It is recommended to use the Census figures as they are more reliable. This survey is primarily a survey of income and expenditure and any comparison of population between surveys may be due to sampling error rather than actual differences. However it is still useful if we want to compare income and expenditure according to people highest education attainment. This is discussed later in the poverty analysis section.

#### Tuvalu Highest Education Attainment (15+)

Education Level	Funafuti	Outer Islands	Total
Primary	1104	1969	3073
Secondary	974	778	1752
Tertiary	355	174	529
None	276	151	428
NS	38	0	38
Other	26	22	48
<b>Total</b>	<b>2773</b>	<b>3095</b>	<b>5868</b>

**NB:** (1) Numbers are rounded therefore total may not be exact. (2) NS - Not Stated

**Source:** Tuvalu Household Income and Expenditure Survey, 2004/05

95%. Generally the costs of a student sent to school have risen through the years therefore more parents cannot afford to send their children to school.

In the 1994 HIES, it recorded a figure of 7.2% of people 15 years and over who have no education at all. It increases to 7.3% in the 2004/05 HIES. There is an increase of about 0.1% in the number of people without attending formal school.

About 91% have some formal education from primary upward (Table 2). This is a decrease of 4% when comparing to the 1994 HIES figure of

As expected there are more people with secondary and tertiary education in Funafuti compare to the Outer Islands. As an urban area, this is where most people find good jobs through good qualification are at.

#### 4.2 Labour Force Status

Two indicators can be used to describe labour force for the Tuvalu HIES 2004/05.

- The **labour force participation rate** is calculated by dividing the number of persons 15 years and older who are economically active (in the labour force) by the total number of people of those ages.

Economically active persons included those who are formally employed, people who did other paid or unpaid work during the time define in the survey - (such as fishing, agriculture, handicraft making), and those who were unemployed but were actively looking for work.

People who are not economically active are students, people who are retired, disable or engaged in full-time home duties.

- The **unemployment rate** is calculated by dividing the number of unemployed people by the number of people in the labour force.

#### Work Status by Funafuti and Outer Islands (15+)

Work Status	Funafuti	Outer Islands	Total
<b>Employed</b>			
FT Wages or Salary	1141	532	1673
PT Wages or Casual	164	132	296
Sell Produce	42	41	83
Own Consumption	216	1332	1547
<b>Total</b>	<b>1562</b>	<b>2037</b>	<b>3599</b>
<b>Unemployed</b>	<b>511</b>	<b>191</b>	<b>703</b>
<b>Not Working</b>			
Domestic Duties	307	723	1030
Attending Education	95	4	99
Other	136	136	272
<b>Total</b>	<b>538</b>	<b>864</b>	<b>1401</b>
<b>Not Stated</b>	<b>163</b>	<b>3</b>	<b>166</b>
<b>Total</b>	<b>2773</b>	<b>3095</b>	<b>5868</b>

Base on the table (left), labour force participation rate for Tuvalu is 73% (4,302), while the unemployment rate is 16% (703).

Funafuti has a higher labour force participation rate of 75% (2,073) compare to the Outer Islands with 72% (2,228). This means that there are more people in Funafuti who are economically active compare to the Outer Islands.

**NB:** Numbers are rounded therefore total may not be exact.

Funafuti has a high unemployment rate of 25% (511) compare to the Outer Islands with 8.5% (191). This means that there are more people in Funafuti who are unemployed compare to the Outer Islands.

Unemployment rate for this survey is considered very high and therefore not reliable to make decision. (Compare to 6.5% for Tuvalu in 2002 Census). However participation rate is considered to be a reliable figure (58.2% for Tuvalu in 2002 Population Census). Time periods for the data collection of this survey is "quite" different from the Census time periods. For the Population Census, economic activity is recorded for the previous week, where as in the HIES economic activity is collected for different periods depending on the type of activity – i.e. last 7 days for wages and salary, last month for business, and during the past 12 months for subsistence activities.

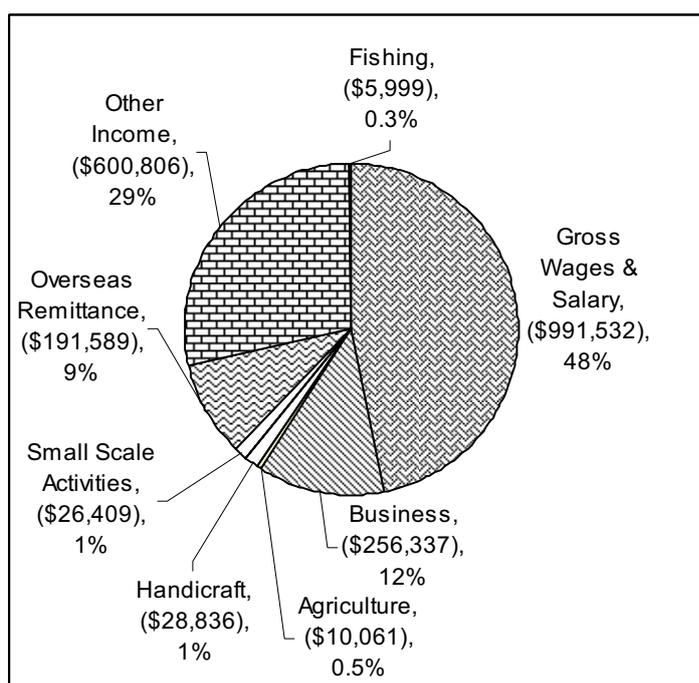
### 4.3 Household Monthly Income

During the Tuvalu HIES 2004/05, income was collected according to the 8 income sources.

- 1) Wages and Salary
- 2) Business
- 3) Agriculture
- 4) Fishing
- 5) Handicrafts
- 6) Small Scale Activities
- 7) Remittances
- 8) Other Income

Home produced, Gifts Received and Winnings are included in other income. These are regarded as household income.

#### Household Monthly Income



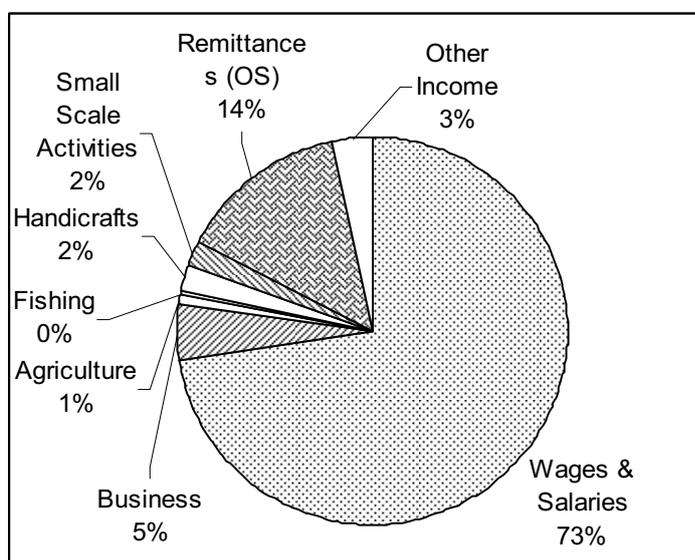
Total household monthly *net* income for this survey is \$1,811,205 and *gross* income of \$2,111,568. *Gross wages and salary* is the highest household monthly income source with 48% (\$991,532) of the total monthly income. The second highest source of income is *other income* with 29% (\$606,806). This includes *irregular income, income from rents, interest or bonuses or any other income*. The third highest source of income is business with 12% (\$256,337). *Remittances* from overseas (seaman & relatives) is the next highest source of income with

9% (\$191,589). The lowest source of income is fishing with 0.3% (\$59,99) of the total household monthly income.

The national average monthly *gross* income per household is \$1,263 or \$315.91 per week. The *net* income (average monthly) per household for Tuvalu is \$1,083.90 or \$270.98 per week. For Funafuti the average monthly *net* income is \$1,343.70 or \$335.93 per week. In the Outer Islands the

average monthly *net* income is \$909.15. Base on the average annual inflation rate between 1994 and 2004 of 2.71% (0.0271), the average household *gross* monthly income for Tuvalu in the 1994 HIES is \$521.60 or \$130.40 per week and the *net* monthly income (average household) is \$425.68 (\$106.42 per week). For Funafuti the average household monthly *net* income is \$192.01 and the average household *gross* monthly income of \$236.96. In the Outer Islands the average household monthly *net* income is \$61.73 and *gross* income is of \$69.42. When comparing *net* household monthly household income for Tuvalu in the two HIES, there is an increase of \$658. There is an increase in the average household income from overseas seaman from \$23.21 (inflation rate applied) in the 1994 HIES compare to \$28.66 for this HIES.

### Source of Personal Weekly Income



The total weekly personal *gross* income from this HIES is \$311,769 with 3,766 people<sup>1</sup> receiving income. Like household income, wages and salary remain the largest source of weekly personal *gross* income with \$225,983 (73%) and with a total of 1,341 people receiving it. The next highest source of weekly personal *gross* income is remittances from overseas with \$43, 947 (14%) and with a total of 852 people receiving it. The third highest source of income is

business, with \$14,655 (4.7%) and with a total of 184 people receiving it. The lowest source of personal income is fishing with \$1,377 (0.004%) and with a total of 49 people receiving it. This number is contrary to fact that there are many<sup>2</sup> commercial fishermen in Tuvalu.

Average personal *gross* income per week is \$82.77 (Tuvalu). In the 1994 HIES, the average personal *gross* income for each week is \$33.53 (inflation rate applied) – 2.5 times lower compare to this HIES. In Funafuti the average personal *gross* income per week is \$124.27 – 2.3 times higher when compare to the 1994 HIES average personal weekly *gross* income of \$53.73 (inflation rate applied) for Funafuti. In the Outer Islands the average personal *gross* income per week is \$50.14 – 2.5 times higher compare to the 1994 HIES of \$20.23<sup>3</sup> for the Outer Islands. Men have a higher average personal *gross* weekly income than women (1.5 times higher). The average weekly income

<sup>1</sup> Age: 15+

<sup>2</sup> Own opinion

<sup>3</sup> Inflation Rate is applied for *all* (except when stated) comparison to the 1994 HIES.

for males is \$100.83 and for females it is \$68.86 (Tuvalu). On Funafuti, the average male *gross* weekly income is \$154.36 and \$100.29 for a female. In the Outer Islands, the average male gross weekly income is \$57.30 and \$44.77 for a female. Handicrafts, remittances (overseas) and other income are income sources where women have a higher average weekly income than men. The average female weekly income from handicraft is \$19.93 and from remittances (overseas) it is \$55.97. In the 1994 HIES the average female weekly income from handicraft is \$10.25 and \$35.35 from remittance (overseas). The average male weekly *gross* income from wages and salary is \$175.24 and \$159.93 for a female – a difference of \$15.31. In the 1994 HIES, the average male weekly *gross* income from wages and salary is \$75.09 and \$65.95 for a female – a difference of \$9.14. Therefore the gap between average male and female income from wages and salary has increase in the last ten years by 67%. The gap between male and female average weekly income from business is small where a male weekly income is \$79.92 and \$79.28 for a female. For the 1994 HIES, there was a gap of \$55.98 where male average weekly income from business is \$80.60 and only \$24.62 for a female.

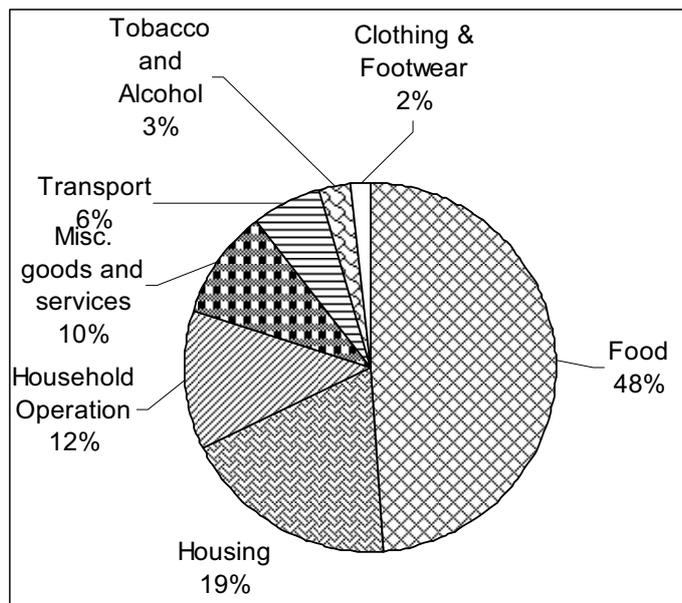
#### 4.4 Household Annual Expenditure

Annual household expenditure was collected into the following 7 main components (divisions).

- 1) Food
- 2) Housing
- 3) Household Operation
- 4) Transport
- 5) Tobacco and Alcohol.
- 6) Clothing and Footwear.
- 7) Miscellaneous goods and services

These components can be broken down into smaller groups and sub groups.

**Graph 5: Total Household Annual Expenditure by Expenditure Group.**



Total household annual expenditure from this survey is \$21,869,648. This is about \$1,822,470 per month or \$420,570 per week.

Food is the highest expenditure component, representing all most half of all expenditure (48%). Total household weekly expenditure on food is \$205,644.66. The second highest (19%) household expenditure is housing which includes the following: house rents, house loan, building materials (nail, cement,

window frames, water tanks, plywood, paint, etc). Total weekly household expenditure on housing is \$79,075.89 (annual - \$4,111,946). The next highest household expenditure component is household operation which include furniture, furnishing (light fittings, curtains, pillow case, etc), equipment and utensils. Total weekly expenditure on household operation is \$51,219.69 (annual - \$2,663,424). Miscellaneous goods and service is the next highest with 10% of the total household expenditure. Miscellaneous goods and services include: medical, cosmetics, toiletries (bathing soap, tooth past, sanitary pads), personal goods (school books), stationeries, computers, educational services (school fees), leisure services (DVD hire, dance admission), etc. Total weekly household expenditure on miscellaneous goods and services is \$39,979.79. Transport is the next

highest (6%) with a total weekly household expenditure of \$26,443.85. Next is Tobacco and Alcohol with a total weekly household expenditure of \$10,744.44. Clothing and footwear is the lowest component of household expenditure with \$7,461.85.

Total household annual expenditure on Funafuti is \$12,003,724 (55% of total) and on the Outer Islands it is \$9,865,924 (45% of total). Household food expenditure is higher in the Outer Islands with \$122,882.74 per week compare to Funafuti with \$82,761.92. However there is no difference for an average household expenditure on food on Funafuti and Outer Islands. The average household weekly expenditure for both Funafuti and Outer Islands is \$123<sup>4</sup>. Total household annual expenditure on housing in Funafuti is \$2,921,577 and Outer Islands with \$1,190,369. Average household annual expenditure on housing is \$4,348 on Funafuti and \$1,192 in the Outer Islands. Total household operation expenditure on Funafuti is \$1,832,694 (average of \$2,727 per annum) and \$830,730 (average of \$829 per annum) in the Outer Islands. Total annual household expenditure on miscellaneous goods and services on Funafuti is \$1,364,293 (\$2,727 per annum per household) and \$714,657 (\$829 per annum per household) for the Outer Islands. About 75% of the total household expenditure on transport is being spent on Funafuti. Annual household expenditure on transport in Funafuti is \$1,025,842 (\$1,527 per annum per household) and \$349,238 (\$348 per annum per household) in the Outer Islands. For tobacco and alcohol, about 65% of the total household expenditure on tobacco and alcohol is being spent on Funafuti. Annual household expenditure on tobacco and alcohol for Funafuti is \$364,401 (\$541 per annum per household) and \$195,310 (\$195 per annum per household) for the Outer Islands. Household expenditure on clothing and footwear is \$3,698.04 per week (\$5 per week per household) for Funafuti and \$3,763.81 (\$4 per week per household) for the Outer Islands.

The average household weekly expenditure on food in the 1994 HIES is \$8.59. The average household weekly expenditure on food for this HIES is \$123.06 (14.3 times higher than in 1994). For housing in the 1994 HIES, the average household weekly expenditure is \$8.60. This is 5.5 times lower than this HIES average household housing expenditure of \$47.32 per week. For transport in the 1994 HIES, the average household weekly expenditure weekly expenditure is \$8.52. The average household weekly expenditure on transport for this HIES is \$15.83 (nearly double the amount in the 1994 HIES). In the 1994 HIES, the average household weekly expenditure for alcohol and tobacco is \$2.48. For this 2004/05 HIES, the average household weekly expenditure for alcohol and tobacco is \$6.43 -more than double the amount in 1994.

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<sup>4</sup> Not exactly the same, but equal to the nearest whole number.

#### 4.5 Home Produced

Home produced is regarded as income. These are foods which are made within a household or being consumed by household members from agriculture, hunting or fishing<sup>5</sup>. The following are the 6 categories for Home Produced:

1. Fruits (banana, coconut, breadfruit, pandanus, pawpaw, toddy, etc)
2. Vegetables (cabbage, cucumber, pumpkin, potatoes, taro, pulaka, etc)
3. Meat (pork, kaipea, Uu, etc)
4. Poultry (chicken, birds, ducks, etc)
5. Fish (tuna, bonito, reef fish, etc)
6. Other home produce food (coconut cream, falaoa fakavaivai, etc)

Total household home produced is \$89,313 per week where 84% (\$75,299 per week) is being consumed in the Outer Islands. The average income from household home produced food per week is \$53.44 per week. In the Outer Islands the average household weekly income from home produced is \$75.37 per household. For Funafuti the average household weekly income from home produced is \$20.88.

Fish is the highest group of home produce where 39.6% of all home produced is from it. Tuna fish is the highest where 61% (\$21,564 per week) of fish being “home produce” is tuna. In the Outer Islands, households consume \$28,035 of fish per week and Funafuti consumes only \$7,291(21% of total fish). Fruit is the second highest group of home produce where 24.9% of all home produced is fruit. Total weekly household income from fruits is \$22,217 with toddy being the highest under fruit with \$7,730 and breadfruit the next highest with \$5,946. Outer Islands consumed \$18,378 (82.7%) of fruit compare to Funafuti with only \$3,839. Vegetable is the third highest group of home produce where 17.9% (\$15,993) of all home produced is vegetables. Most of the vegetables are being consumed or produced in the Outer Islands – 95% (\$15,235) of total vegetables. The highest food item under vegetables is pulaka<sup>6</sup> with total household weekly income of \$11,156. Outer Islands consumed \$10,890 (97.6%) of pulaka per household per week. The two lowest group of home produced is meat and poultry with meat being the highest of the two with \$11,457 and poultry with \$3,852 per week per household.

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<sup>5</sup> Household recorded the amount they consume and estimate the cost of each of the items (food) e.g. banana can be worth \$0.50. If a household have a high value for a specific item, it will be scale down base on price specified from the Central Statistics Division (a list of items and their value is available, base on price from Outer Islands and on Funafuti – CPI and other sources).

<sup>6</sup> Plant belongs to the taro plant family – bigger than taro.

#### 4.6 Dwelling Characteristics

When comparing the 1994 HIES, 2002 Census and this 2004/05 HIES on percentages of private dwellings having corrugated iron roof. On average 91%, of all households in Tuvalu have corrugated roof in this survey. This is not the same compared to 2002 Census with 83.9% and the 1994 HIES of 70% - there is an increase in the number of households with corrugated iron roof. In Funafuti there are more thatched roof in 1994 HIES with 7.2% compare to 2.3% for this survey. The same trend in the Outer Islands where in the 1994 HIES, 42% of households have thatched roof compare to this HIES with 18%. More households have changed their thatched roof to corrugated iron roof.

With electricity being supplied to the Outer Islands, types of lighting used have increase from 0.7% in the 1994 HIES to 92% in this HIES. Households now purchase more electrical appliances than before. For example on the Outer Islands 2.6% of households have refrigerators in the 1994 HIES, compare to 18% for this HIES. Electric fan is another example where in the 1994 HIES, there was no households with electrical fans in the Outer Islands compare to this HIES with 57%. Kerosene remains the main cooking fuel in the Outer Islands. In the 1994 HIES almost half (45%) of all households are using kerosene as the main cooking fuel in the Outer Islands which is nearly the same (46%) for this HIES.

Direct supply of water is regarded as an “*improved water supply*” due to the fact water is being carried into the house through pipes. *Water supply from outside tank* uses a container (bucket) to fill water before being carried into the house. For Funafuti there is little change for direct water supply, 30.2% in 1994 HIES and 33.5% for this survey. In the 1994 HIES for the Outer Islands, only 6% of all households have direct supply of water into their houses compare to this HIES with 12.3%. Therefore more (proportionally, more than double) households have access to an improved water supply in this recent HIES compare to the 1994 HIES.

In the 1994 HIES, 30.2% of households in Funafuti have flush septic tanks toilets. This number (percentage) has increase in this HIES to 66.8%. For the Outer Islands in the 1994 HIES, 11.7% of households have flush septic tanks compare to this HIES with 25%. Generally more (proportionally double the amount) households have improved their access to good sanitation. There is a decrease in percentage in the number of households with no toilets when comparing the 1994 HIES to this HIES. For the Outer Islands in the 1994 HIES, 26.4% of households have no toilets compare to this HIES with 9.6%.

No. of Residents	No. of Households	Average size of Household	Source
9319	1528	6	Tuvalu HIES 1994
9561	1568	6	Census 2002
9061	1671	5	Tuvalu HIES 2004/05

Size of household shows number of people living in each household during the survey. Changes in demographic, social and economic patterns influence it. Comparing average size for three different source of information, average

size of household for this survey is slightly less than the other two earlier sources – 5 compared to 6 for the Tuvalu HIES 1994 and Tuvalu Population Census 2002.

The reason for this is due to migration and more houses being built (population increases, and overcrowding means more buildings are built).

# ***Tuvalu HIES 2004/05 Tabulations***

*“Statistics may be defined as a – body of methods for making wise decisions in the face of uncertainty”*

***W.A. Willis***

**Table 1: Tuvalu Resident Population in Private Households By Age Group and Islands, HIES 2004/05**

<b>5 Year Age Group</b>	<b>Nanumea</b>	<b>Nanumaga</b>	<b>Niutao</b>	<b>Nui</b>	<b>Vaitupu</b>	<b>Nukufetau</b>	<b>Funafuti</b>	<b>Nukulaelae</b>	<b>Total</b>
0-4	76	101	92	94	153	47	486	50	1098
5-9	70	81	48	85	172	83	505	47	1092
10-14	80	91	40	77	159	53	469	33	1002
15-19	46	10	40	38	90	40	298	3	566
20-24	46	47	61	60	56	23	493	13	801
25-29	40	41	48	34	70	17	299	7	555
30-34	23	27	26	21	53	30	246	17	444
35-39	40	51	53	17	70	40	292	37	599
40-44	63	61	53	51	146	47	351	20	792
45-49	33	17	40	26	53	10	221	10	409
50-54	40	37	44	34	93	33	179	13	473
55-59	23	27	40	47	63	33	125	23	381
60-64	10	20	22	17	50	40	79	10	248
65-69	20	7	44	17	36	3	76	0	203
70-74	30	20	26	9	36	10	38	3	173
75-79	17	3	18	17	20	3	57	0	135
80 +	3	14	13	9	27	3	19	3	91
<b>Total</b>	<b>660</b>	<b>655</b>	<b>707</b>	<b>653</b>	<b>1346</b>	<b>517</b>	<b>4234</b>	<b>290</b>	<b>9061</b>

**NB:** (1) Numbers are rounded therefore total may not be exact.

(2) Resident include visitors but exclude those temporarily out.

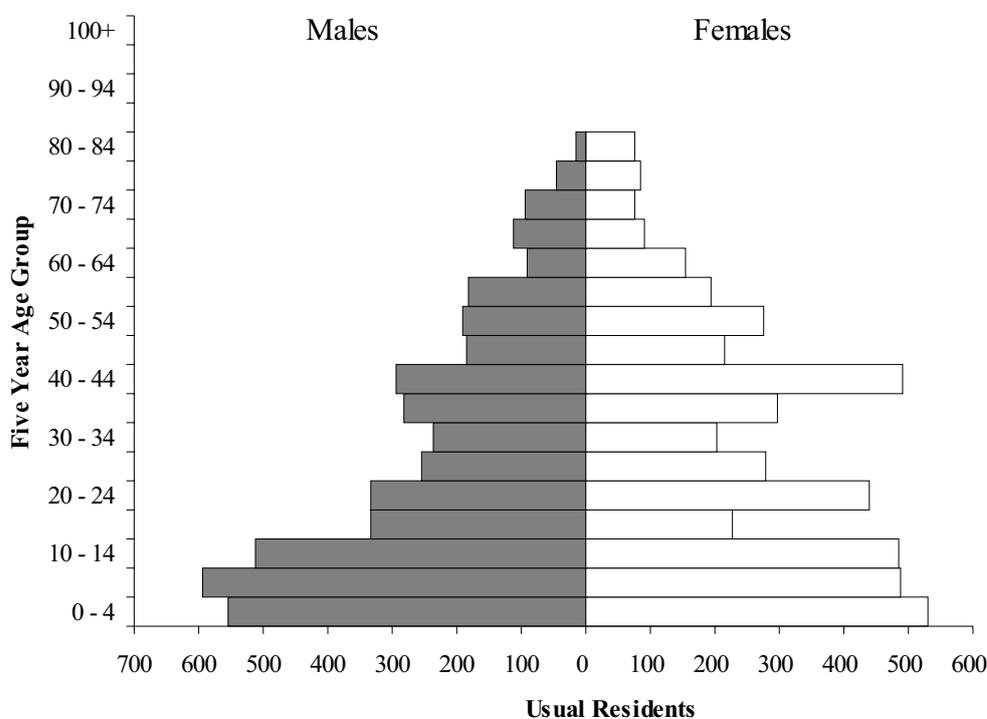
**Table 2: Usual Residents By Age Group and Gender, HIES 2004/05**

5 Year Age Group	Funafuti			Outer Islands			Tuvalu		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	221	261	482	334	269	603	555	530	1085
5-9	248	254	502	346	234	580	594	487	1082
10-14	235	235	469	277	250	526	511	484	996
15-19	168	131	298	165	98	263	333	228	561
20-24	212	274	486	121	166	287	333	439	772
25-29	155	140	295	100	138	238	255	278	533
30-34	151	95	246	86	108	194	237	203	440
35-39	130	159	289	153	139	292	283	298	581
40-44	130	222	351	164	269	434	294	491	785
45-49	99	121	221	85	93	177	184	214	398
50-54	65	110	175	125	166	291	190	276	466
55-59	72	49	121	111	145	256	183	195	377
60-64	30	49	79	61	104	165	91	153	244
65-69	57	19	76	56	72	127	113	90	203
70-74	15	19	34	79	55	135	95	74	169
75-79	19	34	53	26	52	78	45	86	131
80 +	4	15	19	11	61	72	15	76	91
<b>Total</b>	<b>2010</b>	<b>2185</b>	<b>4196</b>	<b>2301</b>	<b>2418</b>	<b>4718</b>	<b>4311</b>	<b>4603</b>	<b>8914</b>

**NB:** (1) Numbers are rounded therefore total may not be exact.

(2) Usual Residents exclude visitors and those temporarily absent.

**Tuvalu Usual Residents, HIES 2004/05**

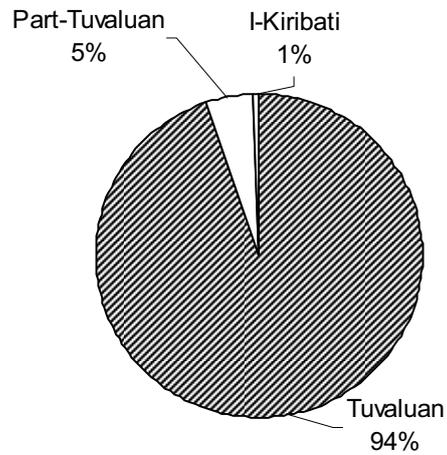


**Table 3: Ethnicity in Tuvalu HIES 2004/05**

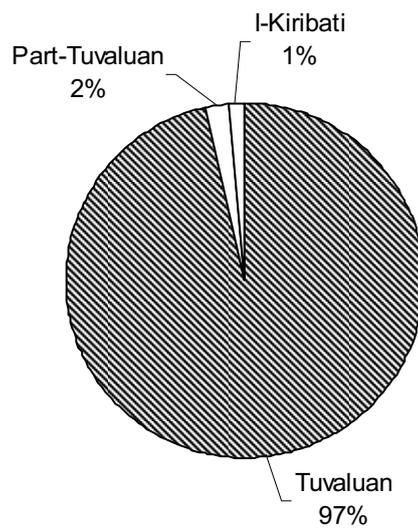
<b>Ethnicity</b>	<b>Funafuti</b>	<b>Outer Islands</b>	<b>Total</b>
Tuvaluan	3990	4630	8621
Part-Tuvaluan	197	108	305
I-Kiribati	26	72	98
Other	20	18	37
<b>Total</b>	<b>4234</b>	<b>4828</b>	<b>9061</b>

**NB:** Numbers are rounded therefore total may not be exact.

**Graph 3A: Ethnicity in Funafuti  
HIES 2004/05**



**Graph 3B: Ethnicity in the Outer Islands  
HIES 2004/05**

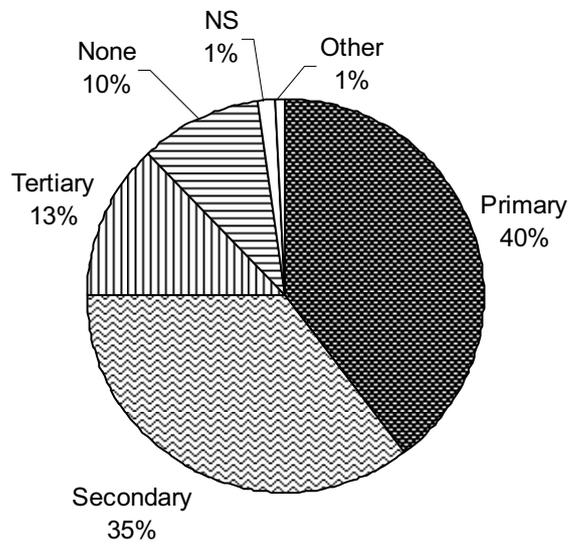


**Table 4: Tuvalu Highest Education Attainment HIES 2004/05  
(15 years and above)**

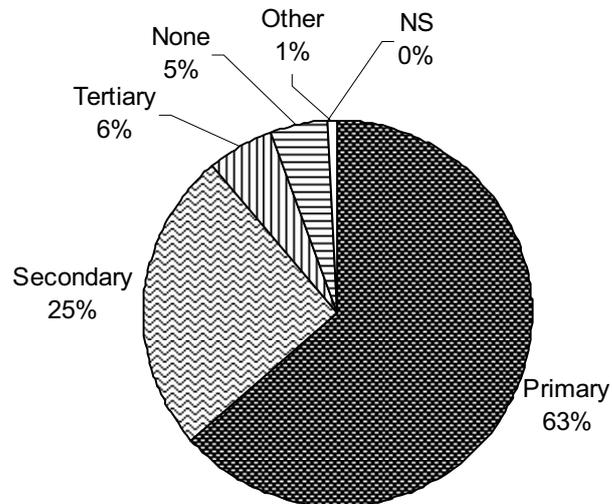
Education Level	Funafuti	Outer Islands	Total
Primary	1104	1969	3073
Secondary	974	778	1752
Tertiary	355	174	529
None	276	151	428
NS	38	0	38
Other	26	22	48
<b>Total</b>	<b>2773</b>	<b>3095</b>	<b>5868</b>

**NB:** (1) Numbers are rounded therefore total may not be exact.  
(2) NS - Not Stated

**Graph 4A: Estimate Funafuti Education Attainment  
HIES 2004/05**



**Graph 4B: Estimate Outer Islands Education Attainment  
HIES 2004/05**



**Table 5A: Work Status HIES 2004/05 (15 years and above)**

Work Status	Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae	Total
<b>Employed</b>									
FT Wages or Salary	53	74	79	47	202	47	1141	30	1673
PT Wages or Casual	7	17	35	17	27	30	164		296
Sell Produce		10	18		10	3	42		83
Own Consumption	282	142	294	115	298	147	216	53	1547
<b>Total</b>	<b>342</b>	<b>243</b>	<b>426</b>	<b>179</b>	<b>537</b>	<b>227</b>	<b>1562</b>	<b>83</b>	<b>3599</b>
<b>Unemployed</b>	<b>86</b>	<b>3</b>	<b>75</b>	<b>17</b>		<b>10</b>	<b>511</b>		<b>703</b>
<b>Not Working</b>									0
Domestic Duties		88	4	179	292	83	307	77	1030
Attending Education			4				95		99
Other	3	47	18	21	33	13	136		272
<b>Total</b>	<b>3</b>	<b>135</b>	<b>26</b>	<b>201</b>	<b>325</b>	<b>97</b>	<b>538</b>	<b>77</b>	<b>1401</b>
<b>Not Stated</b>	<b>3</b>						<b>163</b>		166
<b>Total</b>	<b>435</b>	<b>382</b>	<b>527</b>	<b>397</b>	<b>862</b>	<b>333</b>	<b>2773</b>	<b>160</b>	<b>5868</b>

**NB:** Numbers are rounded therefore total may not be exact.

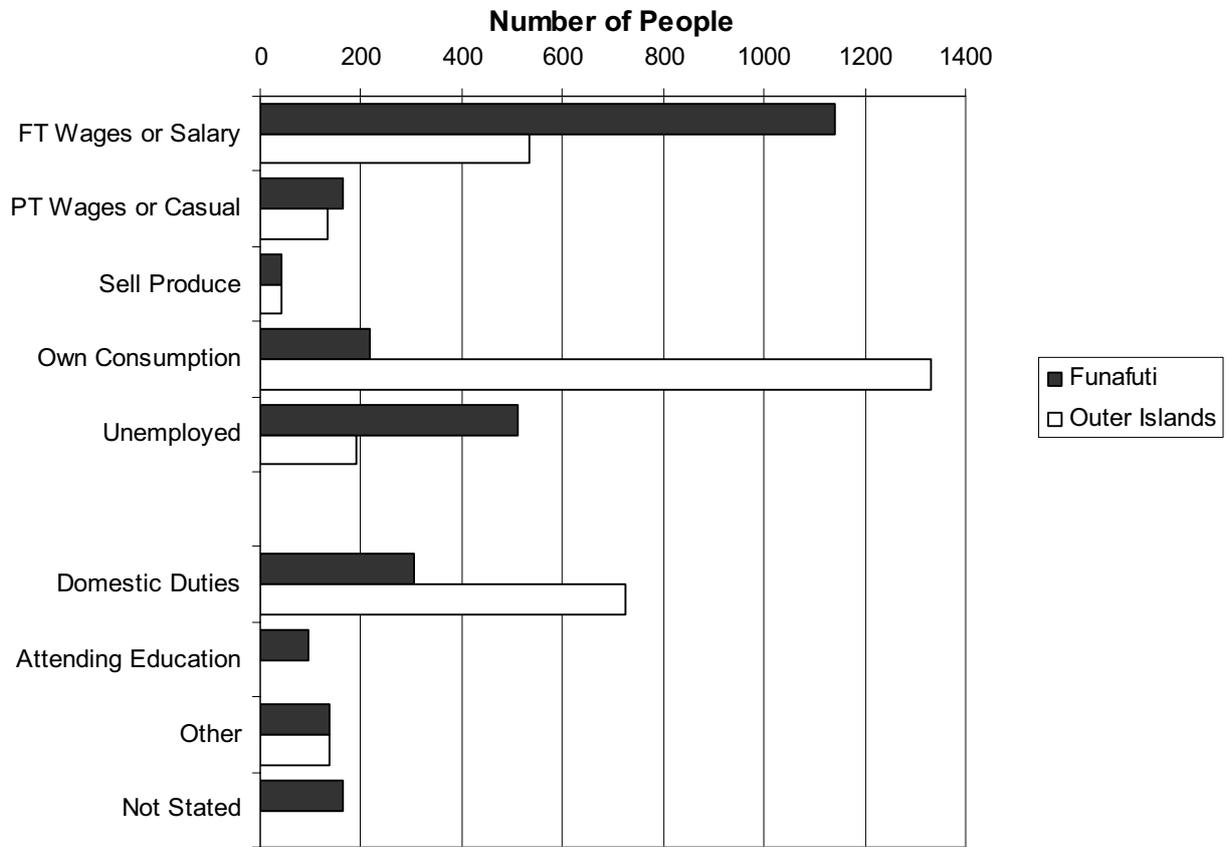
**Note:** FT - Full Time, PT -Part Time

**Table 5B: Work Status By Funafuti and Outer Islands (15 years and above).**

Work Status	Funafuti	Outer Islands	Total
<b>Employed</b>			
FT Wages or Salary	1141	532	1673
PT Wages or Casual	164	132	296
Sell Produce	42	41	83
Own Consumption	216	1332	1547
<b>Total</b>	<b>1562</b>	<b>2037</b>	<b>3599</b>
<b>Unemployed</b>	<b>511</b>	<b>191</b>	<b>703</b>
<b>Not Working</b>			
Domestic Duties	307	723	1030
Attending Education	95	4	99
Other	136	136	272
<b>Total</b>	<b>538</b>	<b>864</b>	<b>1401</b>
<b>Not Stated</b>	<b>163</b>	<b>3</b>	<b>166</b>
<b>Total</b>	<b>2773</b>	<b>3095</b>	<b>5868</b>

**NB:** Numbers are rounded therefore total may not be exact.

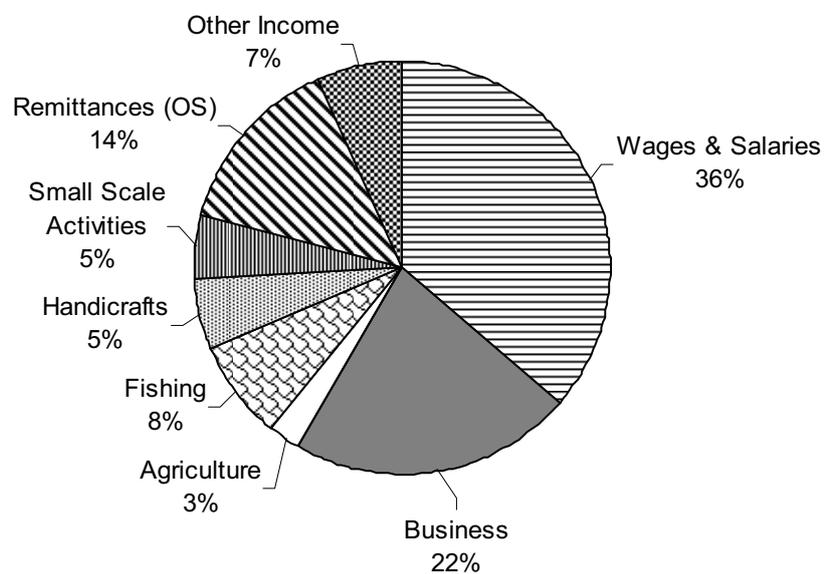
**Graph 5: Work Status By Funafuti and Outer Islands  
HIES 2004/05**



**Table 6: Average Weekly Personal Income Sources By Outer Islands and Gender**  
**HIES 2004/05**

Income Source	Funafuti			Outer Islands			Tuvalu		
	M	F	T	M	F	T	M	F	T
<b>Wages &amp; Salaries (\$)</b>									
Total Income (Gross)	95,894	66,476	162,370	36,025	27,589	63,613	131,918	94,065	225,983
Number of Persons	429	368	797	324	220	544	753	588	1,341
Ave. Gross Income	224	181	204	111	125	117	175	160	169
Ave. Net Income	172	144	159	91	99	94	137	127	133
<b>Business (\$)</b>									
Total Income	9,140	1,916	11,055	2,280	1,319	3,599	11,419	3,235	14,655
Number of Persons	83	20	103	60	21	80	143	41	184
Average Income	110	96	107	38	63	45	80	79	80
<b>Agriculture (\$)</b>									
Total Income	518	410	929	1,386	201	1,587	1,904	611	2,516
Number of Persons	53	42	95	102	56	158	155	98	252
Average Income	10	10	10	14	4	10	12	6	10
<b>Fishing (\$)</b>									
Total Income	979		979	398		398	1,377		1,377
Number of Persons	15		15	34		34	49		49
Average Income	65		65	12		12	28		28
<b>Handicrafts (\$)</b>									
Total Income		2,084	2,084		4,315	4,315		6,399	6,399
Number of Persons		79	79		242	242		321	321
Average Income		26	26		18	18		20	20
<b>Small Scale Activities (\$)</b>									
Total Income	647	2,734	3,382	554	2,136	2,689	1,201	4,870	6,071
Number of Persons	19	83	102	33	180	213	52	263	315
Average Income	34	33	33	17	12	13	23	19	19
<b>Remittances (OS) (\$)</b>									
Total Income	5,317	15,472	20,788	9,311	13,848	23,159	14,628	29,319	43,947
Number of Persons	102	258	361	226	265	492	329	524	852
Average Income	52	60	58	41	52	47	45	56	52
<b>Other Income (\$)</b>									
Total Income	1,015	3,455	4,469	1,846	4,506	6,352	2,861	7,960	10,821
Number of Persons	34	72	106	125	220	346	159	292	452
Average Income	30	48	42	15	20	18	18	27	24

**Graph 6: Source of Personal Income by Percentage, HIES 2004/05**

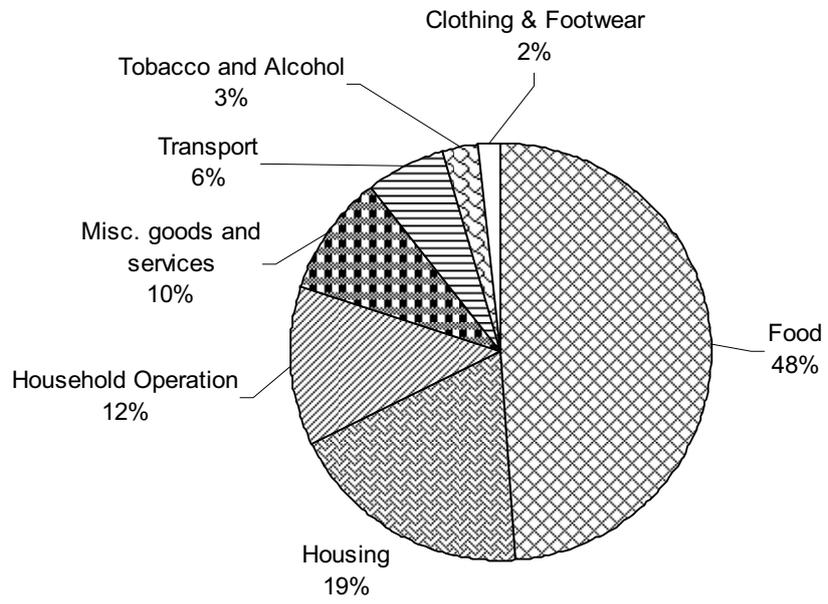


**Table 7A: Household Annual Expenditure By Expenditure Group HIES 2004/05**

Expenditure Group	Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaeae	Total
Bills	48,148	72,740	84,275	63,949	143,491	73,653	1,183,782	43,630	1,713,668
Rent	118,220	102,405	118,342	154,880	283,977	84,480	1,754,583	101,920	2,718,808
Licence Fees	3,480	966	2,304	8,085	16,629	730	100,161	2,970	135,325
Insurance	0	3,243	0	0	9,944	0	151,223	2,000	166,410
Education	8,581	26,574	702	18,671	64,641	9,667	460,633	13,003	602,474
Health	0	14	527	34	0	213	39,768	0	40,556
House Purchase	2,140	0	37,196	58,005	4,257	0	527,275	11,833	640,706
Contractor Costs	0	0	878	341	1,326	0	78,500	0	81,046
Household Maintenance	4,893	2,223	15,493	5,252	31,099	11,727	409,996	24,293	504,976
Vehicles	20,848	3,041	10,731	0	14,507	22,600	526,987	17,183	615,896
Furnitures	2,402	973	790	2,381	11,824	10,593	45,731	1,440	76,133
Appliances	19,969	0	25,807	0	38,728	26,200	356,999	0	467,703
Other major Expenses	0	946	0	853	27,866	34,173	113,862	9,733	187,434
Holiday Expenses	292	1,074	0	2,321	10,309	10,617	148,627	4,273	177,513
<b>Total Household</b>	<b>\$228,972</b>	<b>\$214,199</b>	<b>\$297,044</b>	<b>\$314,773</b>	<b>\$658,599</b>	<b>\$284,653</b>	<b>\$5,898,127</b>	<b>\$232,280</b>	<b>\$8,128,648</b>
Cash and Food	291,707	448,272	369,657	264,893	642,900	271,981	3,418,262	98,701	5,806,374
Home Produced Food	450,119	680,113	650,381	496,730	1,030,670	383,138	730,635	235,269	4,657,055
Gift of Cash and Food	3,710	352	0	8,381	38,121	1,247	127,689	1,251	180,752
Business Food	182	0	0	1,001	5,100	0	27,034	16,024	49,341
<b>Total Food</b>	<b>\$745,718</b>	<b>\$1,128,738</b>	<b>\$1,020,038</b>	<b>\$771,006</b>	<b>\$1,716,791</b>	<b>\$656,366</b>	<b>\$4,303,620</b>	<b>\$351,245</b>	<b>\$10,693,522</b>
Cash Non-Food	109,700	223,621	114,591	90,120	228,643	105,823	1,512,324	70,382	2,455,204
Gift Non-Food	50,279	11,221	0	40,861	88,517	10,463	250,625	84,923	536,888
Business Non-Food	182	0	0	6,318	2,230	0	39,029	7,625	55,384
<b>Total Non-Food</b>	<b>\$160,161</b>	<b>\$234,841</b>	<b>\$114,591</b>	<b>\$137,299</b>	<b>\$319,390</b>	<b>\$116,286</b>	<b>\$1,801,977</b>	<b>\$162,931</b>	<b>\$3,047,477</b>
<b>Total Annual Expenditure</b>	<b>\$1,134,850</b>	<b>\$1,577,778</b>	<b>\$1,431,674</b>	<b>\$1,223,078</b>	<b>\$2,694,780</b>	<b>\$1,057,305</b>	<b>\$12,003,724</b>	<b>\$746,456</b>	<b>\$21,869,647</b>

**NB:** Numbers are rounded therefore total may not be exact.

**Graph 7A: Total Annual Expenditure By Expenditure Group  
HIES 2004/05**

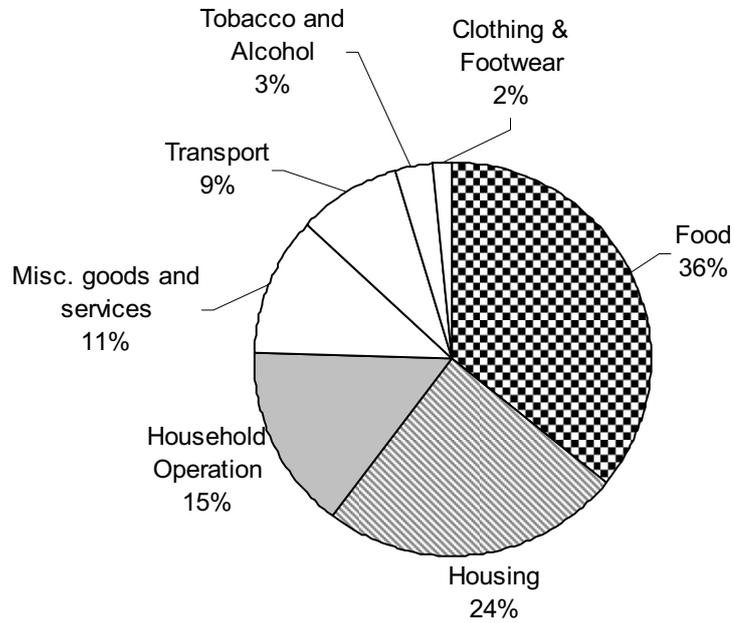


**Table 7B: Total Annual Expenditure For Outer Islands and Funafuti By Expenditure Group HIES 2004/05**

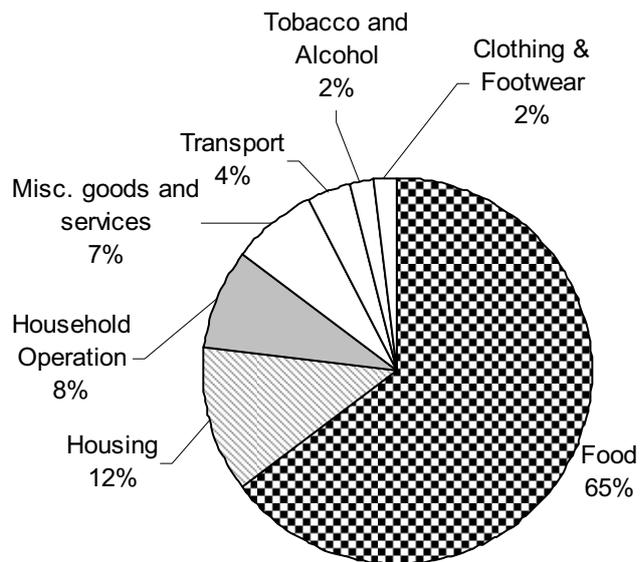
<b>Expenditure Group</b>	<b>Funafuti</b>	<b>Outer Islands</b>	<b>Total</b>
Food	4,303,620	6,389,902	10,693,522
Housing	2,921,577	1,190,369	4,111,946
Household Operation	1,832,694	830,730	2,663,424
Misc. goods and services	1,364,293	714,657	2,078,949
Transport	1,025,842	349,238	1,375,080
Tobacco and Alcohol	363,401	195,310	558,711
Clothing & Footwear	192,298	195,718	388,016
<b>Total</b>	<b>\$12,003,724</b>	<b>\$9,865,924</b>	<b>\$21,869,648</b>

**NB:** Numbers are rounded therefore total may not be exact.

**Graph 7B1: Funafuti Total Expenditure By Expenditure Group HIES 2004/05**



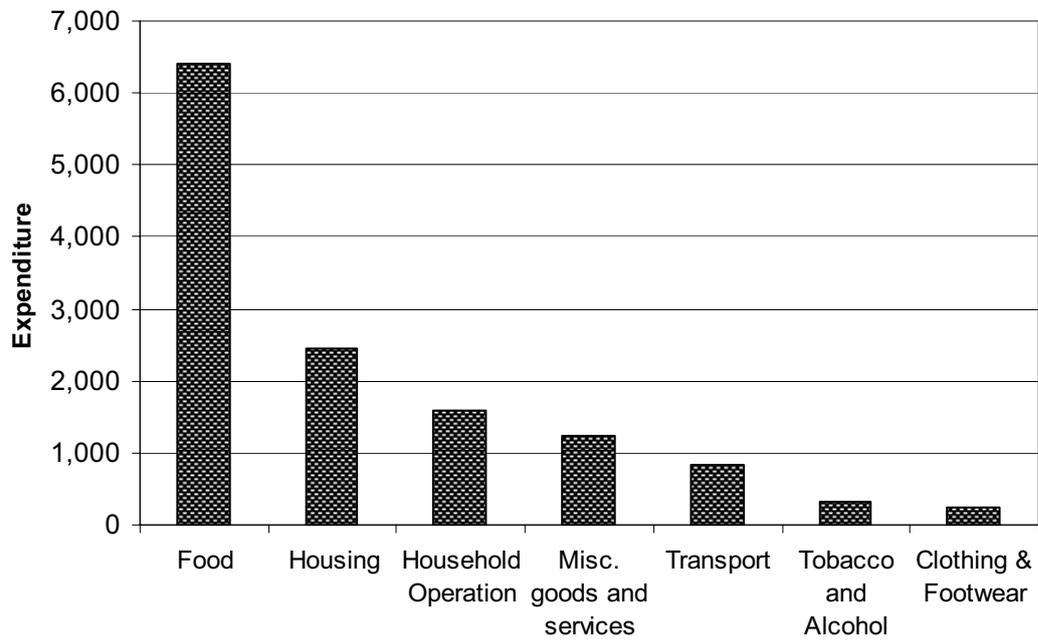
**Graph 7B2: Outer Islands Total Expenditure By Expenditure Group HIES 2004/05**



**Table 7C: Average Expenditure (\$) By Expenditure Group  
HIES 2004/05**

<b>Expenditure Group</b>	<b>Annual</b>	<b>Weekly</b>
Food	6,399	123
Housing	2,461	47
Household Operation	1,593	31
Misc. goods and services	1,244	24
Transport	822	16
Tobacco and Alcohol	334	6
Clothing & Footwear	232	4

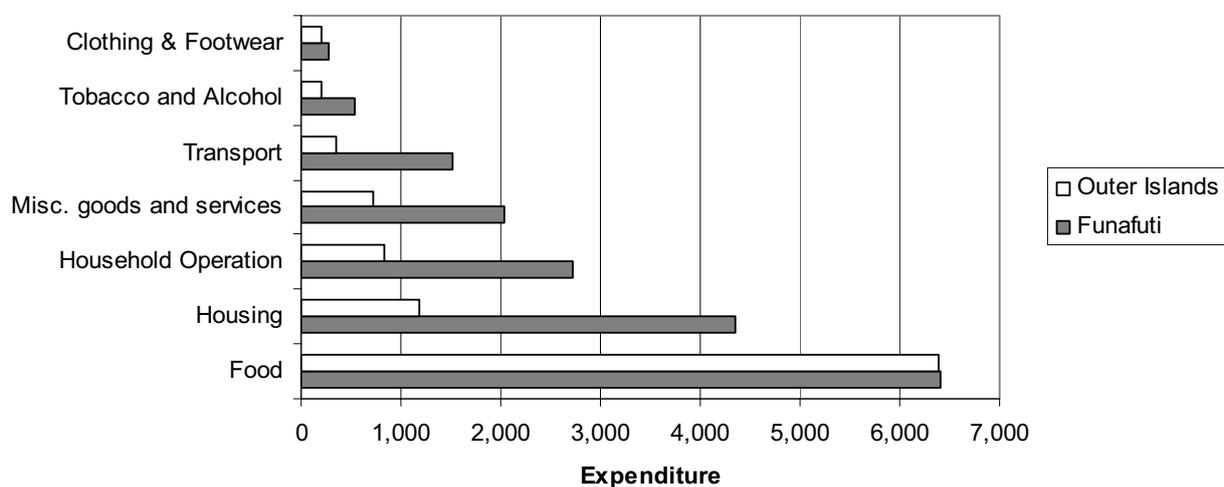
**Graph 7C: Average Household Annual Expenditure, HIES 2004/05**



**Table 7D: Average Expenditure (\$) For Funafuti and Outer Islands By Group HIES 2004/05**

Expenditure Group	Funafuti		Outer Islands	
	Annual Expenditure	Weekly Expenditure	Annual Expenditure	Weekly Expenditure
Food	6,404	123	6,396	123
Housing	4,348	83	1,192	23
Household Operation	2,727	52	829	16
Misc. goods and services	2,030	39	715	14
Transport	1,527	29	348	7
Tobacco and Alcohol	541	10	195	4
Clothing & Footwear	286	5	196	4

**Graph 7D: Average Annual Expenditure For Funafuti and Outer Islands By Expenditure Group, HIES 2004/05**



**Table 8: Total Weekly Expenditure on Items (\$) HIES 2004/05**

FOOD AND NON - ALCOHOLIC BEVERAGES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>FRUITS</i>						
11101 Apples	266	0	266	44	0	44
11103 Bananas	6	0	6	6	0	6
11106 Coconut (dry nut)	437	0	437	10	0	10
11107 Toddy (raw, boil)	218	0	218	88	0	88
11108 Toddy Syrup (Kaleve kula)	23	0	23	5	0	5
11109 Lemon	0	0	0	0	0	0
11111 Oranges	149	0	149	21	0	21
11112 Pawpaws	4	0	4	7	0	7
11113 Peaches	2	0	2	0	0	0
11114 Pears	295	0	295	0	0	0
11115 Pineapples	13	0	13	12	0	12
11118 Watermelon	144	0	144	0	0	0
11119 Tinned Fruit Salad	37	0	37	3	0	3
11121 Tinned Pears	2	0	2	0	0	0
11122 Tinned Pineapples	16	0	16	10	0	10
11124 Fruit Juices	49	0	49	0	0	0
11125 Other fresh fruits n.e.c	113	0	113	0	0	0
11127 Other tinned and bottled fruits n.e.c	11	0	11	0	0	0
11128 Breadfruit	115	0	115	8	0	8
11129 Pandanus (fala kai)	279	0	279	0	0	0
11150 Fruits or fruit products n.e.c	2	0	2	0	0	0
<b>TOTAL</b>	<b>\$2,180</b>	<b>\$0</b>	<b>\$2,180</b>	<b>\$214</b>	<b>\$0</b>	<b>\$214</b>
<i>VEGETABLES</i>						
11202 Cabbage	255	0	255	0	0	0
11203 Cassava	538	0	538	68	0	68
11204 Carrots	136	0	136	0	0	0
11206 Cucumber	6	0	6	0	0	0
11207 Pumpkin	40	0	40	0	0	0
11210 Potatoes	444	0	444	30	0	30
11211 Taro	377	0	377	31	0	31
11212 Pulaka	237	0	237	40	0	40
11213 Utanu	1	0	1	13	0	13
11214 Onions and chives	580	0	580	99	0	99
11216 Tomatoes	11	0	11	0	0	0
11217 Other fresh vegetables	66	0	66	0	0	0
11218 Frozen Vegetables (include mixed vege.)	160	0	160	12	0	12
11219 Tinned and bottled vegetables	6	0	6	0	0	0
11221 Vegetable Juices	6	0	6	0	0	0
11223 Tinned Tomato	17	0	17	0	0	0
11225 Chinese Cabbage	108	0	108	0	0	0
11228 Capsicum	5	0	5	0	0	0
11234 Chilli	7	0	7	0	0	0
11238 Garlic	185	0	185	5	0	5
<b>TOTAL</b>	<b>\$3,183</b>	<b>\$0</b>	<b>\$3,183</b>	<b>\$300</b>	<b>\$0</b>	<b>\$300</b>
<i>MEAT AND MEAT PRODUCTS</i>						
12101 Beef fresh	0	0	0	4	0	4
12102 Lamb chops	499	0	499	60	0	60
12103 Meat in brine	492	0	492	762	0	762
12105 Pork fresh	12	0	12	25	0	25
12106 Sausages	1,578	0	1,578	6	0	6
12108 Other fresh/frozen meat	0	0	0	37	0	37
12109 Tinned Corned Beef	2,272	0	2,272	2,088	0	2,088
12110 Tinned Lamb Tongue	0	0	0	12	0	12
12113 Tinned Luncheon Meat	987	0	987	257	0	257
12116 Kaipea/ Tupa (Crabs)	28	0	28	0	0	0
12118 Lamb necks	525	0	525	197	0	197
12119 Tinned pork	11	0	11	6	0	6
12130 Other tinned meat	111	0	111	92	0	92
12150 Other meat n.e.c	13	0	13	10	0	10
<b>TOTAL</b>	<b>\$6,530</b>	<b>\$0</b>	<b>\$6,530</b>	<b>\$3,556</b>	<b>\$0</b>	<b>\$3,556</b>

FOOD AND NON - ALCOHOLIC BEVERAGES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>POULTRY</i>						
12201 Chicken	2,318	0	2,318	637	0	637
12202 Chicken (chicken parts)	8,694	0	8,694	2,500	0	2,500
12207 Turkey	152	0	152	0	0	0
12208 Turkey Parts	627	0	627	278	0	278
12209 Tinned Poultry	241	0	241	575	0	575
<b>TOTAL</b>	<b>\$12,031</b>	<b>\$0</b>	<b>\$12,031</b>	<b>\$3,989</b>	<b>\$0</b>	<b>\$3,989</b>
<i>FISH (incl. shell fish)</i>						
12301 Tuna/ Bonito	3,754	0	3,754	2,844	0	2,844
12302 Flying fish	113	0	113	46	0	46
12303 Reef Fish	1,205	0	1,205	311	0	311
12304 Other fish	254	0	254	21	0	21
12309 Tinned sardines	25	0	25	0	0	0
12310 Tinned Mackerel	155	0	155	395	0	395
12311 Tinned Tuna	20	0	20	0	0	0
12312 Other Tinned Fish	658	0	658	501	0	501
12316 Dried Fish	25	0	25	0	0	0
12317 Salt Fish	227	0	227	363	0	363
12350 Other shell fish n.e.c	23	0	23	0	0	0
<b>TOTAL</b>	<b>\$6,457</b>	<b>\$0</b>	<b>\$6,457</b>	<b>\$4,480</b>	<b>\$0</b>	<b>\$4,480</b>
<i>BREAD AND BISCUITS</i>						
13101 Bread (sliced, loaf, square, rolls, French)	1,493	0	1,493	300	0	300
13102 Buns	279	0	279	475	0	475
13103 Falaoa Fakavaivai (Coconut Bread)	14	0	14	0	0	0
13104 Cream cracker	34	0	34	177	0	177
13105 Cabin Biscuits	3,253	0	3,253	3,888	0	3,888
13106 Doughnuts (Putu)	81	0	81	75	0	75
13107 Cakes incl. Pastries, buns	565	0	565	192	0	192
13108 Meringue pies and other pies	50	0	50	33	0	33
13111 Mafu	4	0	4	0	0	0
13150 Other bread and biscuits	364	0	364	131	0	131
<b>TOTAL</b>	<b>\$6,137</b>	<b>\$0</b>	<b>\$6,137</b>	<b>\$5,271</b>	<b>\$0</b>	<b>\$5,271</b>
<i>CEREAL AND CEREAL PRODUCTS</i>						
13202 Cornflakes	113	0	113	27	0	27
13203 Weetbix	57	0	57	4	0	4
13204 Rolled Oats	26	0	26	0	0	0
13205 Vermicelli (Iialia)	92	0	92	39	0	39
13206 Noodles	784	0	784	666	0	666
13207 Rice	7,024	0	7,024	8,876	0	8,876
13209 Flour	2,339	0	2,339	4,135	0	4,135
13210 Self Raising Flour	51	0	51	0	0	0
13211 cornflour	5	0	5	0	0	0
13250 Other Cereal and cereal Products n.e.c	1	0	1	0	0	0
<b>TOTAL</b>	<b>\$10,490</b>	<b>\$0</b>	<b>\$10,490</b>	<b>\$13,747</b>	<b>\$0</b>	<b>\$13,747</b>
<i>DAIRY AND MILK PRODUCTS</i>						
14101 Milk powder	1,670	0	1,670	1,078	0	1,078
14102 Condensed milk	623	0	623	801	0	801
14104 Other milk (flavoured, zap, milk shake)	88	0	88	65	0	65
14105 Cheese/includes cream cheese	30	0	30	0	0	0
14108 Ice cream	602	0	602	306	0	306
14110 Tip Top	37	0	37	78	0	78
14150 Other dairy and milk products n.e.c	49	0	49	18	0	18
<b>TOTAL</b>	<b>\$3,098</b>	<b>\$0</b>	<b>\$3,098</b>	<b>\$2,346</b>	<b>\$0</b>	<b>\$2,346</b>
<i>FARM PRODUCTS, FATS AND OIL</i>						
15101 Cooking oil (incl. salad oil)	1,065	0	1,065	846	0	846
15102 Butter/margarine	679	0	679	966	0	966
15103 Dripping	78	0	78	68	0	68
15104 Egg	1,398	0	1,398	118	0	118
<b>TOTAL</b>	<b>\$3,220</b>	<b>\$0</b>	<b>\$3,220</b>	<b>\$1,998</b>	<b>\$0</b>	<b>\$1,998</b>

FOOD AND NON - ALCOHOLIC BEVERAGES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>NON-ALCOHOLIC BEVERAGES</i>						
16101 Soft drinks (lemonade, coke, fanta etc)	1,337	0	1,337	323	0	323
16102 Mineral water	44	0	44	0	0	0
16150 Other beverages n.e.c	63	0	63	3	0	3
<b>TOTAL</b>	<b>\$1,444</b>	<b>\$0</b>	<b>\$1,444</b>	<b>\$326</b>	<b>\$0</b>	<b>\$326</b>
<i>CONFECTIONERY</i>						
16201 Sugar	5,024	0	5,024	6,677	0	6,677
16202 Twisties, rashuns, chips, bongo	588	0	588	372	0	372
16203 Lollies	279	0	279	182	0	182
16204 Chewing gum	296	0	296	242	0	242
16205 Chocolate bars	28	0	28	52	0	52
16206 Peanuts	14	0	14	2	0	2
16207 Icing Sugar (white sugar)	3	0	3	82	0	82
16208 Ice Block	228	0	228	70	0	70
16250 Other confectionery goods n.e.c	152	0	152	36	0	36
<b>TOTAL</b>	<b>\$6,612</b>	<b>\$0</b>	<b>\$6,612</b>	<b>\$7,716</b>	<b>\$0</b>	<b>\$7,716</b>
<i>OTHER FOODS</i>						
17101 Coffee	570	0	570	644	0	644
17102 Cocoa	53	0	53	68	0	68
17103 Milo	495	0	495	661	0	661
17104 Tea	554	0	554	541	0	541
17105 Jam	147	0	147	34	0	34
17106 Peanut Butter	23	0	23	89	0	89
17107 Marmite	54	0	54	77	0	77
17108 Curry powder	52	0	52	23	0	23
17109 Spices (garlic, ginger, pepper, stock, turmeric etc)	15	0	15	0	0	0
17110 Mustard	0	0	0	3	0	3
17111 Soya sauce	362	0	362	106	0	106
17112 Tomato Sauce	275	0	275	125	0	125
17113 Best Food	3	0	3	0	0	0
17115 Baby food	93	0	93	36	0	36
17116 Coconut cream	2	0	2	15	0	15
17117 Spaghetti	25	0	25	71	0	71
17118 Salt	290	0	290	204	0	204
17119 Soup sachets	5	0	5	0	0	0
17120 Drink mix (refresh, vita fresh)	600	0	600	204	0	204
17121 Party ice	22	0	22	8	0	8
17122 Ice Cream Cones	0	0	0	10	0	10
17125 Baked Beans	8	0	8	0	0	0
17127 Baking Sod	4	0	4	6	0	6
17128 Vinegar	2	0	2	0	0	0
17129 custard powder	106	0	106	75	0	75
17132 Chilli Sauce	25	0	25	70	0	70
17137 Yeast	118	0	118	20	0	20
17138 Baking Powder	149	0	149	127	0	127
17150 Other Foods n.e.c	232	0	232	4	0	4
<b>TOTAL</b>	<b>\$4,285</b>	<b>\$0</b>	<b>\$4,285</b>	<b>\$3,219</b>	<b>\$0</b>	<b>\$3,219</b>

FOOD AND NON - ALCOHOLIC BEVERAGES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>TAKE AWAY AND FOOD EATEN OUTSIDE HOME</i>						
18101 Chips	22	0	22	0	0	0
18102 Fish	42	0	42	0	0	0
18104 Chicken Pieces (cooked)	0	0	0	15	0	15
18105 Pizza	117	0	117	0	0	0
18106 Roti	40	0	40	0	0	0
18108 Sandwiches	7	0	7	0	0	0
18109 Plate of food/ Take away	808	0	808	68	0	68
18110 School lunches	212	0	212	0	0	0
18111 Cup of Coffee, tea, milo	23	0	23	3	0	3
18113 Non Alcoholic drinks consumed at eating places	9	0	9	0	0	0
18114 snack pack, twin pack	31	0	31	0	0	0
18115 Dinner Out	66	0	66	0	0	0
18117 Food tray take away	1,383	0	1,383	0	0	0
18150 Other prepared food ready for takeaway	100	0	100	0	0	0
<b>TOTAL</b>	<b>\$2,859</b>	<b>\$0</b>	<b>\$2,859</b>	<b>\$86</b>	<b>\$0</b>	<b>\$86</b>
<b>TOTAL FOOD AND NON-ALCOHOLIC BEVERAGES</b>	<b>\$68,527</b>	<b>\$0</b>	<b>\$68,527</b>	<b>\$47,247</b>	<b>\$0</b>	<b>\$47,247</b>
<b>HOUSING</b>						
<i>HOUSE RENTS, MORTGAGES, INSURANCE etc</i>						
21101 Rent including ground rent or property rent	33,651	0	33,651	18,493	0	18,493
21103 Electricity Connection fees	1,051	0	1,051	226	0	226
21104 Telephone Connection fees	985	0	985	50	0	50
21105 Administration charges	73	0	73	89	0	89
21108 Life insurance	2,900	0	2,900	291	0	291
22101 Repairs, renovations or improvements	1,214	0	1,214	42	0	42
22102 Structural additions or alterations	19	0	19	7	0	7
22103 Build a garage or other building	265	0	265	0	0	0
22150 Other home improvement payments n.e.c	7	0	7	0	0	0
23101 Paint	436	181	618	138	16	154
23102 Timber	1,398	327	1,724	308	0	308
23103 Plywood(inc. floor ply)	527	163	689	96	0	96
23107 Flooring boards(Particle board/Tongue & Groove)	1,025	348	1,373	68	0	68
23109 Piping	120	51	171	13	0	13
23110 Water supply tanks	508	0	508	118	152	269
23115 Nails	99	36	135	57	0	57
23117 Cement	314	218	531	417	0	417
23118 Roofing Iron, tiles, or plastic	525	726	1,251	273	0	273
23119 Spouting	9	25	35	0	0	0
23120 Window frames & louvers or glass	163	73	235	97	0	97
23121 Doors	20	15	34	9	0	9
23122 Kitchen Fittings	47	20	66	2	0	2
23123 Cupboards	11	0	11	4	0	4
23128 Chainsaw	0	0	0	34	0	34
23155 Ceramic tiles	67	58	125	15	9	24
23170 Other Household maint. Supplies	225	131	356	32	0	32
<b>TOTAL HOUSING</b>	<b>\$45,658</b>	<b>\$2,371</b>	<b>\$48,029</b>	<b>\$20,877</b>	<b>\$176</b>	<b>\$21,054</b>

HOUSEHOLD OPERATION	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>HOUSEHOLD FURNITURE</i>						
31101 Beds	87	50	136	86	0	86
31102 Mattresses	61	22	83	71	6	77
31104 Sofa, couch	138	124	262	0	166	166
31105 Dining table/chairs	73	11	84	3	5	8
31106 Dressing table	70	0	70	0	0	0
<b>TOTAL</b>	<b>\$428</b>	<b>\$206</b>	<b>\$634</b>	<b>\$160</b>	<b>\$178</b>	<b>\$337</b>
<i>HOUSEHOLD FURNISHING</i>						
31201 Blankets/bed spread	0	4	4	10	0	10
31202 Sheets (flora/plain), bed linen	19	29	49	32	30	62
31203 Pillow cases	17	19	36	14	12	26
31204 Pillow	4	0	4	9	0	9
31205 Light fittings	1	0	1	31	0	31
31207 Curtains, drapes	4	11	15	38	8	46
31209 Carpet, floor rug	5	1	6	54	0	54
31250 Other items of furnishing n.e.c	6	123	129	7	0	7
<i>HOUSEHOLD APPLIANCES</i>						
32101 Washing machine	648	296	944	548	152	700
32102 Refrigerator	733	160	893	132	51	183
32103 Freezer	334	72	406	116	107	223
32104 Electric jug	19	26	45	5	0	5
32106 Gas & electric stove	226	225	451	191	123	314
32109 Radio/Stereo	3	81	85	35	0	35
32111 Sewing machine	154	178	332	52	19	71
32112 Home computer/Printer	274	897	1,172	0	0	0
32122 Chillybin (Cooler)	1	127	128	0	0	0
32123 Tele/Fax	252	381	633	0	0	0
32125 Video player / VCD	1,083	457	1,540	342	202	543
32150 Other home appliances n.e.c	44	111	154	6	0	6
<b>TOTAL</b>	<b>\$3,771</b>	<b>\$3,012</b>	<b>\$6,783</b>	<b>\$1,427</b>	<b>\$654</b>	<b>\$2,080</b>
<i>HOUSEHOLD EQUIPMENTS AND UTENSILS</i>						
32201 Dinner set	2	18	21	6	0	6
32203 Saucepans	14	0	2	3	0	3
32204 Barbecue plate (open fire/electric)	0	29	29	0	0	0
<b>TOTAL</b>	<b>\$17</b>	<b>\$47</b>	<b>\$52</b>	<b>\$9</b>	<b>\$0</b>	<b>\$9</b>

HOUSEHOLD OPERATION	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>HOUSEHOLD SUPPLIES</i>						
33101 Batteries	270	0	270	161	0	161
33102 Bleaching fluid, dyeing chemicals	196	0	196	176	0	176
33103 Candles	4	0	4	0	0	0
33105 Clothes pins, hangers, pegs	5	0	5	5	0	5
33106 Dish cloth, sponge, scourer, steel wool	41	0	41	13	0	13
33107 Disinfectants	16	0	16	4	0	4
33108 Dishwashing liquid	438	0	438	292	0	292
33109 Fly spray	93	0	93	88	0	88
33110 Lunch wrappers, foil	59	0	59	11	0	11
33111 Matches	103	0	103	175	0	175
33112 Mosquito coil	19	0	19	6	0	6
33113 Washing soap (liquid/bar)	309	0	309	689	0	689
33114 Washing Soap powder	744	0	744	1,096	0	1,096
33115 Toilet paper	684	0	684	113	0	113
33117 Harpic (Cleaning disinfectant)	45	0	45	0	0	0
33118 Light bulb	45	0	45	0	0	0
33119 Stove Parts	49	0	49	0	0	0
33121 Sandpaper	38	0	38	0	0	0
33122 Torch	73	0	73	0	0	0
33123 Plastic	90	0	90	78	0	78
33150 Other household supplies n.e.c	381	0	381	155	0	155
<b>TOTAL</b>	<b>\$3,701</b>	<b>\$0</b>	<b>\$3,701</b>	<b>\$3,064</b>	<b>\$0</b>	<b>\$3,064</b>
<i>HOUSEHOLD SERVICES</i>						
33201 Telephone charges (including fax)	4,757	0	4,757	962	0	962
33202 Cell phone	2,218	0	2,218	0	0	0
33204 Electricity	8,429	0	8,429	4,074	0	4,074
33301 Electricity	101	0	101	17	0	17
33303 Cooking gas	1,887	0	1,887	672	0	672
33304 Kerosene	4,286	0	4,286	3,622	0	3,622
33305 Other fuel and light	6	0	6	42	0	42
33404 Repairs to computer	284	0	284	0	0	0
33450 Other repairs n.e.c	736	0	736	0	0	0
<b>TOTAL</b>	<b>\$22,704</b>	<b>\$0</b>	<b>\$22,704</b>	<b>\$9,389</b>	<b>\$0</b>	<b>\$9,389</b>
<b>TOTAL HOUSEHOLD OPERATION</b>	<b>\$30,677</b>	<b>\$3,452</b>	<b>\$34,114</b>	<b>\$14,244</b>	<b>\$881</b>	<b>\$15,125</b>
<b>CLOTHING AND FOOTWEAR</b>						
<i>CLOTHING</i>						
41101 Shirts	170	0	170	199	0	199
41102 T/Shirts	487	0	487	348	0	348
41103 casual shorts	114	0	114	372	0	372
41104 work/school shorts	161	0	161	60	0	60
41105 Trousers/jeans	0	0	0	62	0	62
41106 suits/clothes set	185	0	185	0	0	0
41107 casual/formal dress	44	0	44	66	0	66
41108 underwear/lingerie	75	0	75	192	0	192
41110 Skirts	33	0	33	6	0	6
41111 Cloth material	708	0	708	1,273	0	1,273
41112 Fabric for clothes	11	0	11	212	0	212
41113 Cotton thread	0	0	0	9	0	9
41116 Nappies (plastic & cloth)	1,303	0	1,303	227	0	227
41117 School Uniforms	23	0	23	79	0	79
41120 Rugby Shorts	0	0	0	116	0	116
41121 Socks, Stockings, Pantyhouse	0	0	0	41	0	41
41150 Other clothing n.e.c	117	367	484	216	47	263
41250 Other services n.e.c	18	0	18	0	0	0
<b>TOTAL</b>	<b>\$3,449</b>	<b>\$367</b>	<b>\$398,000</b>	<b>\$3,481</b>	<b>\$47</b>	<b>\$3,528</b>

CLOTHING AND FOOTWEAR	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>FOOTWEAR</i>						
42101 Sport shoes	0	0	0	186	0	186
42103 Jandals, slippers, slip-ons	172	0	172	164	0	164
42104 Children's shoes	21	0	21	0	0	0
42150 Other shoes n.e.c	98	0	98	51	0	51
<b>TOTAL</b>	<b>\$291</b>	<b>\$0</b>	<b>\$291</b>	<b>\$401</b>	<b>\$0</b>	<b>\$401</b>
<b>TOTAL CLOTHING AND FOOTWEAR</b>	<b>\$3,740</b>	<b>\$367</b>	<b>\$398,291</b>	<b>\$3,881</b>	<b>\$47</b>	<b>\$3,929</b>
<b>TRANSPORT</b>						
<i>PERSONAL TRANSPORT</i>						
51101 Car/station wagon	3,724	211	3,935	0	0	0
51103 Utility, pickup, 4 wheels drive	1,234	230	1,464	0	0	0
51104 Motorcycle, motor scooter	2,569	247	2,816	806	0	806
51108 Boat, Yacht, canoe	946	0	946	511	0	511
51109 Bicycle	88	3	91	375	0	375
51150 Other vehicles n.e.c	11	2	13	13	0	13
<b>TOTAL</b>	<b>\$8,572</b>	<b>\$692</b>	<b>\$9,265</b>	<b>\$1,705</b>	<b>\$0</b>	<b>\$1,705</b>
<i>TRANSPORT ACCESSORIES</i>						
51302 Tyres	20	0	20	65	0	65
51307 Radio, Stereo, CD	59	0	59	0	0	0
51311 Patches	0	0	0	4	0	4
51315 Batteries for cars, trucks etc	0	0	0	4	0	4
51319 Cable clutch	0	0	0	41	0	41
51350 Other vehicle accessories	47	0	47	92	0	92
<b>TOTAL</b>	<b>\$126</b>	<b>\$0</b>	<b>\$126</b>	<b>\$207</b>	<b>\$0</b>	<b>\$207</b>
<i>OPERATION OF PERSONAL TRANSPORT</i>						
51401 Petrol	2,762	0	2,762	3,482	0	3,482
51402 Diesel	204	0	204	0	0	0
51403 Oil	91	0	91	51	0	51
51404 Gas	72	0	72	0	0	0
51405 Other vehicle fuel	58	0	58	8	0	8
<b>TOTAL</b>	<b>\$3,187</b>	<b>\$0</b>	<b>\$3,187</b>	<b>\$3,540</b>	<b>\$0</b>	<b>\$3,540</b>
<i>TRANSPORT SERVICES AND REPAIRS</i>						
52109 Repair (Labour)	1,547	0	1,547	503	0	503
52113 Annual vehicle license fees	270	0	270	110	0	110
52118 Drivers License Fees	104	0	104	62	0	62
<b>TOTAL</b>	<b>\$1,921</b>	<b>\$0</b>	<b>\$1,921</b>	<b>\$674</b>	<b>\$0</b>	<b>\$674</b>
<i>TRANSPORT HIRE</i>						
52323 Truck rental	60	0	60	15	0	15
52328 Bus fare	834	0	834	0	0	0
52329 Taxi fare	576	0	576	0	0	0
<b>TOTAL</b>	<b>\$1,470</b>	<b>\$0</b>	<b>\$1,470</b>	<b>\$15</b>	<b>\$0</b>	<b>\$15</b>
<i>INTERNAL TRANSPORT</i>						
53101 Seafare	104	0	104	132	0	132
53102 Meal	89	0	89	26	0	31
<b>TOTAL</b>	<b>\$194</b>	<b>\$0</b>	<b>\$194</b>	<b>\$157</b>	<b>\$0</b>	<b>\$157</b>
<i>OVERSEAS TRAVEL</i>						
53201 Airfare	0	2,093	2,093	0	339	339
53202 Seafare	0	60	60	0	35	35
53204 Accommodation	0	185	185	0	0	0
53205 Transport n.e.c (overseas)	0	126	126	0	0	0
53250 Other expenses incurred while overseas	0	193	193	0	0	0
<b>TOTAL</b>	<b>\$0</b>	<b>\$2,657</b>	<b>\$2,657</b>	<b>\$0</b>	<b>\$375</b>	<b>\$375</b>

TRANSPORT	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>POSTAGE</i>						
55101 Stamps	12	0	237	0	0	40
55110 Other mail	0	0	0	2	0	2
<b>TOTAL</b>	<b>\$12</b>	<b>\$0</b>	<b>\$237</b>	<b>\$2</b>	<b>\$0</b>	<b>\$42</b>
<b>TOTAL TRANSPORT</b>	<b>\$15,483</b>	<b>\$3,349</b>	<b>\$19,057</b>	<b>\$6,301</b>	<b>\$375</b>	<b>\$6,716</b>
<b>TOBACCO AND ALCOHOL</b>						
<i>TOBACCO</i>						
61101 Tobacco (puatolo)	371	0	371	1,309	0	1,309
61102 Cigarettes	4,838	0	4,838	2,029	0	2,029
61103 Tufaga	116	0	116	351	0	351
61150 Other tobacco products	3	0	3	42	0	42
<b>TOTAL</b>	<b>\$5,328</b>	<b>\$0</b>	<b>\$5,328</b>	<b>\$3,731</b>	<b>\$0</b>	<b>\$3,731</b>
<i>ALCOHOL</i>						
62101 Alcoholic Drinks	98	0	98	0	0	0
62102 Beer	1,215	0	1,215	15	0	15
62103 Distilled Spirits	196	0	196	0	0	0
62104 Wine	104	0	104	0	0	0
62150 Other alcoholic drinks	28	0	28	0	0	0
<b>TOTAL</b>	<b>\$1,642</b>	<b>\$0</b>	<b>\$1,642</b>	<b>\$15</b>	<b>\$0</b>	<b>\$15</b>
<b>TOTAL TOBACCO AND ALCOHOL</b>	<b>\$6,970</b>	<b>\$0</b>	<b>\$6,970</b>	<b>\$3,746</b>	<b>\$0</b>	<b>\$3,746</b>
<b>MISCELLANEOUS GOODS AND SERVICES</b>						
<i>MEDICAL, COSMETICS AND TOILETRIES</i>						
81102 Panadol	9	0	9	25	0	25
81105 Deodorant, body spray	359	0	359	369	0	369
81106 Sanitary pads, Tampon	25	0	25	0	0	0
81107 Bathing Soap (bar/liquid)	1,196	0	1,196	1,198	0	1,198
81108 Toothpaste	189	0	189	150	0	150
81109 Talcum Powder	17	0	17	1	0	1
81111 Band Aid	6	0	6	12	0	12
81112 Tissue	0	0	0	4	0	4
81113 Tooth brush	19	0	19	26	0	26
81114 Hair accessories (pins, comb, etc)	8	0	8	88	0	88
81116 Hair conditioner	6	0	6	0	0	0
81117 Hair shampoo	38	0	38	50	0	50
81118 Hair spray, mousse, gel	15	0	15	10	0	0
81119 Body Oil (baby oil, sinu mili)	134	0	134	75	0	75
81120 Make up kit	2	0	2	0	0	0
81122 Nail polish, remover	6	0	6	0	0	0
81123 Razor, blades, tweezers and other remover equipments	0	0	0	10	0	10
81125 Other personal goods n.e.c	14	0	14	2	0	2
81150 Other cosmetics and toiletries n.e.c	28	0	28	9	0	9
<b>TOTAL</b>	<b>\$2,071</b>	<b>\$0</b>	<b>\$2,071</b>	<b>\$2,028</b>	<b>\$0</b>	<b>\$2,028</b>
<i>PERSONAL GOODS</i>						
81204 Repair of personal goods	31	0	31	0	0	0
81250 Other personal services	9	0	9	0	0	0
82104 School books	9	0	9	17	0	17
<b>TOTAL</b>	<b>\$50</b>	<b>\$0</b>	<b>\$50</b>	<b>\$17</b>	<b>\$0</b>	<b>\$17</b>
<i>PUBLICATIONS, STATIONERIES AND COMPUTERS</i>						
82105 Writing materials	86	0	86	8	0	8
82106 Other stationery	184	0	184	19	0	19
82109 Other office equipment for private use	5	0	5	0	0	0
<b>TOTAL</b>	<b>\$274</b>	<b>\$0</b>	<b>\$274</b>	<b>\$27</b>	<b>\$0</b>	<b>\$27</b>

MISCELLANEOUS GOODS AND SERVICES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>HEALTH SERVICES</i>						
82250 Other health services n.e.c	\$9	\$754	\$763	\$15	\$0	\$15
<i>LEISURE AND RECREATIONAL SERVICES</i>						
83102 Musical equipment	15	0	15	0	0	0
83105 Sports goods n.e.c	69	0	69	32	0	32
83106 Video tapes	16	0	16	0	0	0
83107 Toys	8	0	8	0	0	0
83108 Records, cassettes, CD's	8	0	8	0	0	0
83109 Films	11	0	11	0	0	0
83110 Playing Cards	17	0	17	3	0	3
83111 Blank cassettes/CDs	15	0	15	0	0	0
83150 Other leisure materials and supplies n.e.c	51	0	51	0	0	0
<b>TOTAL</b>	<b>\$209</b>	<b>\$0</b>	<b>\$209</b>	<b>\$35</b>	<b>\$0</b>	<b>\$35</b>
<i>EDUCATION SERVICES</i>						
83201 Private Tuition Fee	1,213	3,135	4,347	348	497	846
83202 USP extension Centre fees	140	0	140	204	0	204
83203 School Fees	726	0	726	973	0	973
83250 Other educational services n.e.c	537	3,084	3,621	363	334	698
<b>TOTAL</b>	<b>\$2,616</b>	<b>\$6,219</b>	<b>\$8,834</b>	<b>\$1,888</b>	<b>\$832</b>	<b>\$2,720</b>
<i>OTHER GOODS</i>						
84102 Fishing equipment and supplies	42	0	42	76	0	76
84103 Birthday presents n.o.d	17	0	17	0	0	0
84109 Pig Food	297	0	297	886	0	886
84110 Chicken Food	15	0	15	638	0	638
84150 Goods n.e.c	11	0	11	0	0	0
<b>TOTAL</b>	<b>\$383</b>	<b>\$0</b>	<b>\$383</b>	<b>\$1,600</b>	<b>\$0</b>	<b>\$1,600</b>
<i>LEISURE SERVICES</i>						
84201 Contributions to religious and other organisations	19	0	19	219	0	219
84204 Video hire	25	0	25	3	0	3
84205 Movie/performance admission	32	0	32	3	0	3
84206 VCD Hire	231	0	231	0	0	0
84207 Video Tape Hire	41	0	41	7	0	7
84209 DVD Hire	1,278	0	1,278	55	0	55
84250 Other services n.e.c	5	0	5	33	0	33
<b>TOTAL</b>	<b>\$1,630</b>	<b>\$0</b>	<b>\$1,630</b>	<b>\$319</b>	<b>\$0</b>	<b>\$319</b>
<i>PAYMENT FOR MISCELLANEOUS SERVICES</i>						
85104 Cartage, freight	285	0	285	13	0	13
85106 Catering expenses	197	0	197	0	0	0
85108 Funeral expenses	938	0	938	859	0	859
85109 Fines	64	0	64	1	0	1
85111 Hire of premises	10	0	10	0	0	0
85117 Church Donation	111	0	111	333	0	333
85118 Dance Admission Fee	396	0	396	0	0	0
85119 Community Donation	189	0	189	0	0	0
85150 Other Miscellaneous Services	10,155	0	10,155	9,042	0	9,042
<b>TOTAL</b>	<b>\$12,344</b>	<b>\$0</b>	<b>\$12,344</b>	<b>\$10,247</b>	<b>\$0</b>	<b>\$10,247</b>

MISCELLANEOUS GOODS AND SERVICES	Funafuti			Outer Islands		
	Tuvalu	Overseas	Total	Tuvalu	Overseas	Total
<i>PAYMENT FOR MISCELLANEOUS GOODS</i>						
85201 Jewellery	0	15	15	0	0	0
85203 Local Fan	114	0	114	0	0	0
85204 Watch	62	23	85	0	51	51
85206 Suitcase/travel accessories	0	15	15	0	0	0
85209 Donation, cash gift (not recorded elsewhere)	2,117	0	2,117	2,315	0	2,315
85211 Sunglasses	41	0	41	0	0	0
85212 Local necklace	475	0	475	0	0	0
85213 Handbags	57	0	57	26	0	26
85214 Wallet	9	0	9	0	0	0
85215 Other local handicraft	70	0	70	0	0	0
85232 Air freshener	25	0	25	5	0	5
85237 Bag	0	0	0	53	0	53
85250 Other miscellaneous payments of goods and services n.e.c	173	0	173	0	0	0
86101 Gifts of money to other households within Tuvalu	1,289	0	1,289	2,401	0	2,401
86103 Pocket money for children	171	0	171	0	0	0
86104 Raffles, Bingo	3,132	0	3,132	249	0	249
86106 Contributions to religious organisations (tithe)	76	0	76	8	0	8
86107 Contributions to other non profit organisations	531	0	531	83	0	83
86109 Other payments n.e.c	650	0	650	75	20	95
<b>TOTAL</b>	<b>\$8,993</b>	<b>\$52</b>	<b>\$9,046</b>	<b>\$5,215</b>	<b>\$71</b>	<b>\$5,286</b>
<b>TOTAL MISCELLANEOUS GOODS AND SERVICES</b>	<b>\$28,578</b>	<b>\$7,025</b>	<b>\$35,603</b>	<b>\$21,391</b>	<b>\$903</b>	<b>\$22,294</b>
<b>TOTAL AMOUNT SPENT IN TUVALU AND OVERSEAS</b>	<b>\$199,634</b>	<b>\$16,565</b>	<b>\$610,591</b>	<b>\$117,688</b>	<b>\$2,383</b>	<b>\$120,111</b>
<b>TOTAL COMMODITY AND SERVICES EXPENDITURE</b>	<b>\$730,702</b>					
<b>TOTAL NUMBER OF HOUSEHOLDS</b>	<b>1671</b>					

NB: Numbers are rounded therefore total may not be exact.

**Table 9: Weekly Home Produced Food (\$) HIES 2004/05**

	Outer		
	Islands	Funafuti	Total
<b>FRUITS</b>			
11103 Bananas	1,624	631	2,255
11104 Chestnuts	3	0	3
11105 Coconut (drinking nut)	485	35	520
11106 Coconut (dry nut)	3,708	315	4,023
11107 Toddy (raw, boil)	6,610	1,120	7,730
11108 Toddy Syrup (Kaleve kula)	689	74	763
11109 Lemons	0	8	8
11112 Pawpaws	335	56	391
11118 Watermelon	8	0	8
11125 Other fresh fruits n.e.c	76	0	76
11128 Breadfruit	4,646	1,300	5,946
11129 Pandanus (fala kai)	187	298	486
11150 Fruits or fruit products n.e.c	7	3	10
<b>Total</b>	<b>\$18,378</b>	<b>\$3,839</b>	<b>\$22,217</b>
<b>VEGETABLES</b>			
11201 Lu (taro leaves)	6	0	6
11202 Cabbage	229	87	316
11203 Cassava	0	6	6
11206 Cucumber	43	11	54
11207 Pumpkin	91	22	113
11209 Kumara	177	7	183
11210 Potatoes	12	55	67
11211 Taro	1,311	172	1,483
11212 Pulaka	10,890	266	11,156
11213 Utanu	2,172	92	2,264
11216 Tomatoes	17	1	18
11217 Other fresh vegetables	288	16	304
11241 Vegetables n.e.c	0	23	23
<b>Total</b>	<b>\$15,235</b>	<b>\$758</b>	<b>\$15,993</b>
<b>MEAT AND MEAT PRODUCTS</b>			
12105 Pork fresh	6,660	1,687	8,347
12116 Kaipea/ Tupa (Crabs)	1,048	140	1,188
12117 Uu	1,921	0	1,921
<b>Total</b>	<b>\$9,629</b>	<b>\$1,827</b>	<b>\$11,457</b>
<b>POULTRY</b>			
12201 Chicken	1,912	228	2,140
12202 Chicken (chicken parts)	12	0	12
12203 Gogo (Noddy)	681	0	681
12204 Lupe	14	0	14
12205 Ducks	572	0	572
12250 Other birds	434	0	434
<b>Total</b>	<b>\$3,624</b>	<b>\$228</b>	<b>\$3,852</b>
<b>FISH (including shellfish)</b>			
12301 Tuna/ Bonito	18,548	3,016	21,564
12302 Flying fish	220	72	293
12303 Reef Fish	8,018	3,772	11,790
12304 Other fish	332	213	544
12312 Other Tinned Fish	7	0	7

	<b>Outer Islands</b>	<b>Funafuti</b>	<b>Total</b>
<b>FISH (including shellfish)</b>			
12317 Salt Fish	712	129	841
12350 Other shell fish n.e.c	198	89	287
<b>Total</b>	<b>\$28,035</b>	<b>\$7,291</b>	<b>\$35,326</b>
<b>OTHER HOME PRODUCE FOOD</b>			
13101 Bread (sliced, loaf)	0	8	8
13102 Buns	8	0	8
13103 Falaoa fakavaivai (coconut bread)	0	5	5
13107 Cakes incl. pasteries, buns	0	19	19
13209 Flour	14	0	14
15104 Egg	154	35	189
17116 Coconut cream	7	0	7
17150 Other Foods n.e.c	214	4	218
<b>Total</b>	<b>\$398</b>	<b>\$70</b>	<b>\$468</b>
<b>TOTAL WEEKLY HOME PRODUCED</b>		<b>\$89,313</b>	
<b>ESTIMATE NUMBER OF HOUSEHOLDS</b>		<b>1,671</b>	

**NB:** Numbers are rounded therefore total may not be exact.

**Table 10: Household Characterestic By Island, HIES 2004/05**

	Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulae'ae
<b>Roof Materials</b>								
Corrugated iron with Gutter	61.0%	70.3%	61.1%	60.0%	92.1%	82.1%	88.7%	61.9%
Corrugated iron without gutter	12.2%	2.7%	8.3%	10.0%	3.9%	7.7%	9.0%	38.1%
Thatched/traditional	26.8%	27.0%	27.8%	30.0%	3.9%	10.3%	2.3%	0.0%
Other	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%
<b>Materials of Outer Walls</b>								
Permanent - timber	26.8%	5.4%	8.3%	6.7%	6.6%	0.0%	22.7%	14.3%
Permanent - concrete	9.8%	40.5%	38.9%	60.0%	65.8%	64.1%	36.2%	61.9%
Permanent - timber/concrete	7.3%	27.0%	11.1%	0.0%	5.3%	17.9%	7.3%	23.8%
Thatched/traditional	39.0%	16.2%	33.3%	10.0%	0.0%	7.7%	1.7%	0.0%
Corrugated iron/improvised	2.4%	0.0%	0.0%	6.7%	0.0%	0.0%	0.0%	0.0%
Hardiflex	9.8%	0.0%	0.0%	0.0%	7.9%	0.0%	14.1%	0.0%
Masonite	2.4%	2.7%	2.8%	16.7%	11.8%	5.1%	15.8%	0.0%
Other	2.4%	8.1%	5.6%	0.0%	2.6%	5.1%	2.3%	0.0%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%
<b>Floor Materials</b>								
Stones/Coral	7.3%	2.7%	16.7%	26.7%	0.0%	15.4%	3.4%	4.8%
Midribs	9.8%	0.0%	8.3%	0.0%	2.6%	2.6%	1.1%	0.0%
Timber	7.3%	5.4%	8.3%	3.3%	1.3%	2.6%	25.3%	4.8%
Concrete	75.6%	81.1%	66.7%	66.7%	96.1%	79.5%	65.6%	90.5%
Other	0.0%	10.8%	0.0%	3.3%	0.0%	0.0%	4.5%	0.0%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%
<b>Household Type</b>								
Single housing unit (timber)	31.7%	2.7%	11.1%	10.0%	17.1%	7.7%	26.6%	9.5%
Single housing unit (concrete)	2.4%	13.5%	41.7%	43.3%	52.6%	17.9%	29.3%	4.8%
Single housing unit (concrete & timber)	12.2%	51.4%	22.2%	10.0%	11.8%	35.9%	21.0%	81.0%
More than one housing unit (timber)	2.4%	2.7%	0.0%	3.3%	1.3%	0.0%	8.4%	0.0%
More than one housing unit (concrete)	4.9%	5.4%	2.8%	3.3%	11.8%	25.6%	6.2%	4.8%
Building with two or more apartments.	2.4%	0.0%	2.8%	0.0%	2.6%	2.6%	5.1%	0.0%
Attached to a shop or non-resident building	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Lodging house	41.5%	24.3%	19.4%	30.0%	2.6%	10.3%	1.7%	0.0%
Traditional	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%
<b>Number of Rooms Including Kitchen</b>								
1	65.9%	70.3%	63.9%	60.0%	21.1%	46.2%	15.8%	33.3%
2	19.5%	16.2%	13.9%	10.0%	19.7%	20.5%	16.9%	14.3%
3	7.3%	5.4%	13.9%	20.0%	31.6%	17.9%	21.0%	28.6%
4	4.9%	5.4%	8.3%	10.0%	18.4%	12.8%	22.5%	14.3%
5	2.4%	0.0%	0.0%	0.0%	3.9%	0.0%	12.4%	4.8%
6	0.0%	2.7%	0.0%	0.0%	2.6%	2.6%	6.9%	4.8%

	Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
<b>Number of Rooms Including Kitchen (cont. )</b>								
7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%
8	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	1.7%	0.0%
9	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.6%	0.0%
<b>Grand Total</b>	<b>100%</b>							
<b>Number of Bedrooms</b>								
0	0.0%	51.4%	0.0%	56.7%	0.0%	2.6%	1.1%	0.0%
1	85.4%	32.4%	83.3%	10.0%	48.7%	59.0%	34.9%	76.2%
2	12.2%	8.1%	11.1%	13.3%	27.6%	17.9%	33.4%	19.0%
3	0.0%	8.1%	5.6%	20.0%	21.1%	20.5%	24.4%	4.8%
4	2.4%	0.0%	0.0%	0.0%	1.3%	0.0%	4.5%	0.0%
5	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	1.1%	0.0%
7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
<b>Grand Total</b>	<b>100%</b>							
<b>Year of Construction</b>								
1960 to 1980	2.4%	10.8%	2.8%	0.0%	5.3%	2.6%	25.1%	23.8%
1981 to 2000	53.7%	62.2%	33.3%	66.7%	73.7%	82.1%	34.9%	66.7%
2001 to 2005	26.8%	27.0%	27.8%	26.7%	14.5%	7.7%	18.0%	9.5%
Not sure	17.1%	0.0%	36.1%	6.7%	6.6%	7.7%	22.0%	0.0%
<b>Grand Total</b>	<b>100%</b>							
<b>Separate Kitchen</b>								
Yes, inside and outside dwelling	7.3%	2.7%	47.2%	16.7%	30.3%	41.0%	15.2%	57.1%
Yes, inside dwelling only	19.5%	18.9%	8.3%	23.3%	32.9%	12.8%	57.2%	4.8%
Yes, outside dwelling only	70.7%	70.3%	44.4%	43.3%	34.2%	41.0%	22.5%	28.6%
Not separate	2.4%	8.1%	0.0%	16.7%	2.6%	5.1%	5.1%	9.5%
<b>Grand Total</b>	<b>100%</b>							
<b>Main Method of Cooking</b>								
Electric plate without oven	0.0%	0.0%	0.0%	3.3%	0.0%	2.6%	0.6%	0.0%
Electric stove with oven	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%
Gas burner with oven	0.0%	2.7%	5.6%	0.0%	7.9%	2.6%	20.3%	4.8%
Gas burner without oven	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	2.8%	0.0%
Kerosene burner, stove	34.1%	51.4%	58.3%	46.7%	48.7%	59.0%	73.5%	23.8%
Wood stove (including coconut shell)	0.0%	0.0%	5.6%	23.3%	13.2%	17.9%	0.6%	38.1%
Open fire	65.9%	40.5%	30.6%	26.7%	26.3%	15.4%	1.7%	33.3%
Other	0.0%	5.4%	0.0%	0.0%	0.0%	2.6%	0.6%	0.0%
<b>Grand Total</b>	<b>100%</b>							
<b>Type of Lightning Usually Used</b>								
Electric, main electricity supply	97.6%	94.6%	97.2%	93.3%	84.2%	89.7%	95.5%	100.0%
Electric, own solar power unit	0.0%	0.0%	0.0%	3.3%	2.6%	2.6%	0.6%	0.0%
Electric, own generator	2.4%	5.4%	2.8%	3.3%	7.9%	7.7%	2.3%	0.0%
Kerosene or spirit lamp	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	1.7%	0.0%
Oil lamp (including coconut or fat)	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%
<b>Grand Total</b>	<b>100%</b>							
<b>Source of Water</b>								
Direct supply (i.e piped into house from tank)	4.9%	21.6%	16.7%	3.3%	15.8%	5.1%	33.5%	19.0%
Outside tank, own use	90.2%	78.4%	80.6%	76.7%	78.9%	89.7%	61.4%	76.2%
Communal cistern	4.9%	0.0%	0.0%	13.3%	0.0%	2.6%	2.8%	0.0%
Well	0.0%	0.0%	2.8%	0.0%	3.9%	0.0%	2.3%	4.8%
Delivered/Collected	0.0%	0.0%	0.0%	6.7%	1.3%	2.6%	0.0%	0.0%
<b>Grand Total</b>	<b>100%</b>							

	Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Type of Toilet	1	2	3	4	5	6	7	8
Flush septic tank	14.6%	0.0%	30.6%	16.7%	44.7%	25.6%	66.8%	42.9%
Water seal	70.7%	94.6%	47.2%	76.7%	40.8%	64.1%	24.8%	52.4%
Other	0.0%	0.0%	2.8%	3.3%	0.0%	5.1%	1.7%	0.0%
None	14.6%	5.4%	19.4%	3.3%	14.5%	5.1%	6.8%	4.8%
Grand Total	100%	100%	100%	100%	100%	100%	100%	100%

**NB:** Percentage are rounded therefore total may not be exact.

**Table 11: Household Amenities By Island, HIES 2004/05**

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Gas Stove									
0		87.8%	91.9%	80.6%	93.3%	61.8%	79.5%	42.2%	47.6%
1		12.2%	5.4%	19.4%	6.7%	36.8%	20.5%	51.6%	52.4%
2		0.0%	2.7%	0.0%	0.0%	1.3%	0.0%	5.6%	0.0%
3		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Kerosene Stove									
0		4.9%	0.0%	5.6%	10.0%	18.4%	10.3%	5.1%	4.8%
1		85.4%	86.5%	94.4%	90.0%	71.1%	76.9%	83.5%	95.2%
2		9.8%	13.5%	0.0%	0.0%	10.5%	10.3%	9.7%	0.0%
3		0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	1.1%	0.0%
4		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Microwave oven									
0		97.6%	97.3%	97.2%	100.0%	96.1%	97.4%	93.1%	100.0%
1		2.4%	2.7%	2.8%	0.0%	2.6%	2.6%	6.3%	0.0%
2		0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Refrigerator									
0		80.5%	75.7%	88.9%	86.7%	78.9%	69.2%	48.0%	81.0%
1		19.5%	16.2%	11.1%	13.3%	18.4%	28.2%	50.8%	19.0%
2		0.0%	8.1%	0.0%	0.0%	2.6%	2.6%	0.6%	0.0%
3		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Freezer									
0		65.9%	59.5%	50.0%	46.7%	55.3%	56.4%	48.6%	33.3%
1		34.1%	35.1%	50.0%	53.3%	42.1%	43.6%	48.0%	66.7%
2		0.0%	5.4%	0.0%	0.0%	2.6%	0.0%	2.8%	0.0%
3		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Jug									
0		75.6%	62.2%	72.2%	76.7%	81.6%	89.7%	53.7%	81.0%
1		24.4%	37.8%	27.8%	23.3%	18.4%	10.3%	45.8%	19.0%
2		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Toaster									
0		90.2%	89.2%	88.9%	93.3%	88.2%	87.2%	61.0%	81.0%
1		9.8%	10.8%	11.1%	6.7%	10.5%	12.8%	37.9%	19.0%
2		0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	1.1%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Rice Cooker	0	92.7%	89.2%	86.1%	96.7%	88.2%	94.9%	78.4%	76.2%
	1	7.3%	10.8%	13.9%	3.3%	11.8%	5.1%	21.6%	23.8%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Frying Pan	0	97.6%	94.6%	100.0%	90.0%	90.8%	97.4%	88.0%	100.0%
	1	2.4%	5.4%	0.0%	10.0%	9.2%	2.6%	11.4%	0.0%
	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Mixer	0	85.4%	67.6%	69.4%	66.7%	73.7%	89.7%	59.3%	85.7%
	1	14.6%	32.4%	27.8%	33.3%	25.0%	10.3%	40.7%	14.3%
	2	0.0%	0.0%	2.8%	0.0%	1.3%	0.0%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Wash Machine	0	39.0%	37.8%	52.8%	53.3%	30.3%	41.0%	31.5%	33.3%
	1	58.5%	62.2%	47.2%	46.7%	63.2%	59.0%	63.2%	66.7%
	2	2.4%	0.0%	0.0%	0.0%	6.6%	0.0%	5.2%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Sewing Mach	0	46.3%	27.0%	38.9%	50.0%	42.1%	35.9%	43.4%	38.1%
	1	53.7%	67.6%	61.1%	46.7%	53.9%	56.4%	52.7%	61.9%
	2	0.0%	2.7%	0.0%	3.3%	3.9%	5.1%	3.9%	0.0%
	3	0.0%	2.7%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Water Pump	0	95.1%	94.6%	94.4%	96.7%	89.5%	97.4%	59.9%	100.0%
	1	4.9%	5.4%	5.6%	3.3%	9.2%	2.6%	39.0%	0.0%
	2	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.6%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Fan	0	41.5%	40.5%	52.8%	50.0%	31.6%	46.2%	19.2%	38.1%
	1	46.3%	40.5%	41.7%	40.0%	53.9%	41.0%	33.4%	52.4%
	2	7.3%	16.2%	2.8%	6.7%	13.2%	12.8%	23.8%	9.5%
	3	4.9%	2.7%	2.8%	3.3%	1.3%	0.0%	10.1%	0.0%
	4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%	0.0%
	5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	0.0%
	6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
	7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Air-Conditioner	0	97.6%	97.3%	100.0%	100.0%	100.0%	100.0%	94.4%	100.0%
	1	2.4%	2.7%	0.0%	0.0%	0.0%	0.0%	5.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Electric Iron	0	63.4%	40.5%	69.4%	40.0%	35.5%	59.0%	19.7%	47.6%
	1	34.1%	48.6%	30.6%	60.0%	57.9%	41.0%	75.8%	52.4%
	2	0.0%	10.8%	0.0%	0.0%	6.6%	0.0%	4.5%	0.0%
	4	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
TV Monitor	0	65.9%	81.1%	69.4%	66.7%	39.5%	82.1%	37.2%	47.6%
	1	34.1%	18.9%	30.6%	26.7%	56.6%	15.4%	58.9%	47.6%
	2	0.0%	0.0%	0.0%	6.7%	3.9%	2.6%	3.4%	4.8%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Video Player	0	68.3%	78.4%	36.1%	73.3%	48.7%	84.6%	42.8%	52.4%
	1	31.7%	21.6%	63.9%	26.7%	48.7%	15.4%	54.4%	47.6%
	2	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	2.3%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
DVD Player	0	63.4%	70.3%	50.0%	73.3%	50.0%	66.7%	37.2%	66.7%
	1	36.6%	24.3%	47.2%	26.7%	47.4%	33.3%	56.5%	33.3%
	2	0.0%	5.4%	2.8%	0.0%	2.6%	0.0%	6.2%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Video Camera	0	87.8%	83.8%	91.7%	86.7%	89.5%	100.0%	75.5%	90.5%
	1	12.2%	16.2%	5.6%	10.0%	10.5%	0.0%	21.7%	9.5%
	2	0.0%	0.0%	2.8%	3.3%	0.0%	0.0%	2.8%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Play Station	0	97.6%	94.6%	88.9%	96.7%	81.6%	97.4%	80.3%	85.7%
	1	2.4%	5.4%	8.3%	3.3%	18.4%	2.6%	18.6%	14.3%
	2	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	1.1%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Radio Cassette Electric	0	43.9%	48.6%	44.4%	50.0%	47.4%	61.5%	45.6%	61.9%
	1	56.1%	48.6%	52.8%	46.7%	51.3%	38.5%	49.7%	38.1%
	2	0.0%	2.7%	2.8%	3.3%	1.3%	0.0%	4.7%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Radio Cassette Battery	0	51.2%	67.6%	52.8%	80.0%	64.5%	61.5%	56.3%	71.4%
	1	46.3%	32.4%	44.4%	20.0%	32.9%	38.5%	40.7%	28.6%
	2	2.4%	0.0%	2.8%	0.0%	1.3%	0.0%	2.4%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Stereo	0	85.4%	94.6%	97.2%	93.3%	89.5%	97.4%	67.6%	81.0%
	1	14.6%	5.4%	2.8%	6.7%	10.5%	2.6%	27.9%	19.0%
	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
	4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
PC Laptop	0	95.1%	100.0%	97.2%	100.0%	90.8%	100.0%	81.3%	100.0%
	1	2.4%	0.0%	2.8%	0.0%	7.9%	0.0%	17.6%	0.0%
	2	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	1.1%	0.0%
	5	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Bicycle	0	24.4%	29.7%	44.4%	30.0%	35.5%	51.3%	67.2%	19.0%
	1	65.9%	48.6%	47.2%	46.7%	50.0%	35.9%	26.6%	71.4%
	2	7.3%	13.5%	5.6%	20.0%	6.6%	5.1%	6.2%	9.5%
	3	2.4%	5.4%	2.8%	0.0%	5.3%	7.7%	0.0%	0.0%
	4	0.0%	2.7%	0.0%	3.3%	2.6%	0.0%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Handcart	0	61.0%	45.9%	83.3%	70.0%	75.0%	79.5%	0.0%	71.4%
	1	39.0%	54.1%	16.7%	30.0%	23.7%	20.5%	0.0%	28.6%
	2	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%
(blank)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Motorbike	0	41.5%	45.9%	44.4%	63.3%	32.9%	92.3%	82.2%	85.7%
	1	53.7%	48.6%	50.0%	36.7%	48.7%	7.7%	17.2%	14.3%
	2	4.9%	5.4%	5.6%	0.0%	17.1%	0.0%	0.0%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%
	4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Motor car, van, utility	0	100.0%	100.0%	100.0%	96.7%	98.7%	100.0%	39.4%	100.0%
	1	0.0%	0.0%	0.0%	3.3%	1.3%	0.0%	42.0%	0.0%
	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.1%	0.0%
	3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%
	4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Truck	0	100.0%	100.0%	100.0%	100.0%	96.1%	100.0%	81.3%	100.0%
	1	0.0%	0.0%	0.0%	0.0%	3.9%	0.0%	17.0%	0.0%
	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Boat Canoe	0	85.4%	70.3%	88.9%	63.3%	88.2%	74.4%	93.2%	81.0%
	1	14.6%	29.7%	11.1%	33.3%	10.5%	25.6%	6.2%	19.0%
	2	0.0%	0.0%	0.0%	3.3%	1.3%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Power Boat	0	80.5%	89.2%	91.7%	83.3%	88.2%	76.9%	83.9%	66.7%
	1	14.6%	10.8%	8.3%	16.7%	11.8%	20.5%	16.1%	33.3%
	2	4.9%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%
Chain Saw	0	75.6%	89.2%	97.2%	93.3%	90.8%	100.0%	86.3%	81.0%
	1	24.4%	10.8%	2.8%	3.3%	7.9%	0.0%	11.4%	19.0%
	2	0.0%	0.0%	0.0%	3.3%	1.3%	0.0%	1.7%	0.0%
	5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
	Grand Total		100%	100%	100%	100%	100%	100%	100%
GrassCutter	0	95.1%	100.0%	100.0%	93.3%	93.4%	100.0%	91.6%	95.2%
	1	4.9%	0.0%	0.0%	6.7%	6.6%	0.0%	7.9%	4.8%
	2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Grand Total		100%	100%	100%	100%	100%	100%	100%	100%

Number of amenities in Household		Nanumea	Nanumaga	Niutao	Nui	Vaitupu	Nukufetau	Funafuti	Nukulaelae
Power Tools	0	80.5%	89.2%	94.4%	90.0%	86.8%	97.4%	93.1%	66.7%
	1	7.3%	2.7%	5.6%	6.7%	5.3%	2.6%	5.8%	28.6%
	2	9.8%	5.4%	0.0%	3.3%	2.6%	0.0%	1.1%	0.0%
	3	0.0%	2.7%	0.0%	0.0%	1.3%	0.0%	0.0%	4.8%
	4	2.4%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%
	7	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%
	Grand Total		100%	100%	100%	100%	100%	100%	100%

**NB:** Percentage are rounded therefore total may not be exact.

**Appendix I: Steering and Review Committee**

<b>Name</b>	<b>Post</b>	<b>Department</b>
Malie Lototele	Director	Economic Research and Planning Division (ERPD)
Letasi Iulai	Acting Director / Senior Economic Adviser	Economic Research and Planning Division (ERPD)
Sunema Aunese	Economic Adviser	Economic Research and Planning Division (ERPD)
Esita Morikao	Economic Adviser	Economic Research and Planning Division (ERPD)
Saini Simona	Director	Women Department
Iete Avantele	Director	Rural Development Department
Malofou Auina	Rural Development Planner	Rural Development Department
Katalina Taloka	Director	Education Department
Michael Noa	Education Officer	Education Department
Teimana Avantele	Education Officer	Education Department
Taukiei Kitara	Project Development Officer	Tuvalu Agency for Non-Government Organisation (TANGO)
Temate Melitiana	Director	Aid Management Unit
Semu Malona	Government Statistician	Central Statistics Division
Chris Ryan	Statistical Trainer/ Adviser	South Pacific Community (SPC)
Gregory Keeble	Statistical Trainer/ Adviser	South Pacific Community (SPC)
Niuatui I Niuatui	HIES Project Manager/ Statistical Officer	Central Statistics Division

**Appendix II: Supervisors and Enumerators**

<b>Island</b>	<b>Name</b>	<b>Role</b>
Nanumea	Taiola Miita	Supervisor/ Enumerator
	Tiolisi Faleti	Enumerator
	Letatasi Toma	Enumerator
	Teasogali George	Enumerator
Nanumaga	Taeka Taimi	Supervisor/ Enumerator
	Hofeni Pasama	Enumerator
	Tekua Soti	Enumerator
	Lisi Lautino	Enumerator
Niutao	Sitaake Lopati	Supervisor/ Enumerator
	Leafaga Vaiutu	Enumerator
	Sulia Teaukai	Enumerator
	Sieua Sioni	Enumerator
	Nele Fiaola	Enumerator
Nui	Paapua Ulisese	Supervisor/ Enumerator
	Patala Talava	Enumerator
	Kaai Elu	Enumerator
	Tala Viliamu	Enumerator
Vaitupu	Tui Taumafai	Supervisor/ Enumerator
	Mose Taaku	Supervisor/ Enumerator
	Taloline Tekuo	Enumerator
	Simoea Tiute	Enumerator
	Sala Lisale	Enumerator
	Moevalu Samalu	Enumerator
	Teisioko Nakoli	Enumerator
	Lifuka Malefou	Enumerator
	Tofaga Nofoala	Enumerator
Nukufetau	Pakasoa Laulenese	Supervisor/ Enumerator
	Sama Foufanua	Enumerator
	Faleala Peniamina	Enumerator
	Stella Vaelei	Enumerator

**Appendix II: Supervisors and Enumerators (Cont.)**

<b>Island</b>	<b>Name</b>	<b>Role</b>
Funafuti	Sua Paulo	Data Operator/ Enumerator
	Sami Neemia	Data Operator/ Enumerator
	Lila Fousaga	Data Operator/ Enumerator
	Chris Natano	Data Operator
	Telito Filoimea	Enumerator
	Maike Nakala	Enumerator
	Takeisi Puafitu	Enumerator
	Caylynn F Maani	Enumerator
	Fatilau Sue	Enumerator
	Annabella L Mataio	Enumerator
	Leena Salaikeni	Enumerator
	Filiake Timo	Enumerator
	Suia Tuua	Enumerator
	Bailey Koulapi	Enumerator
	Mataio Tanu	Enumerator
Taiane Amasone	Enumerator	
Nukulaelae	Saosaoa Tinilau	Supervisor/ Enumerator
	Tito Saosaoa	Enumerator
	Saleima Timo	Enumerator

**Appendix III: Coders and Data Processor**

<b>Name</b>	<b>Role</b>	<b>Post</b>
Semu Malona	Coder	Government Statistician
Grace Alapati	Coder	Statistical Officer
Lito Timaio	Coder	Assistant Statistical Officer
Kaeva Lototele	Coder	Assistant Statistical Officer
Gregory Keeble	Data Processor	Statistical Trainer/ Adviser (SPC)
Niuatui I Niuatui	Coder/ Data Processor	Statistical Officer

## HIES - OUTER ISLANDS REVISED BUDGET 2005 (17/03/05)

		Notes
<b>1 WAGES</b>		
1.1 Supervisors	1,520	\$5 x 304 hholds (Supervisor average = \$193)
1.2 Enumerators	9,120	\$30 x 304 hholds
1.3 Editors/Coders	1,216	\$4 x 304 hholds (To be shared between 4 people = \$309)
1.4 Data Operators	3,633	\$7 x 520 hholds (To be shared between 4 people = \$541 + \$376)
<b>Sub Total</b>	<b>15,489</b>	
<b>2 TNPF</b>		
	<b>1,549</b>	
<b>3 TRAVEL</b>		
3.1 Supervisors	2,139	\$267 x 8 supervisors
3.2 Per diems	4,000	\$25 x 8 supervisors x 20 days
3.3 Staff	2,400	Field audit and questionnaire collection - 2 trips x 2 staff
<b>Sub Total</b>	<b>8,539</b>	
<b>4 TRAINING</b>		
4.1 Stationery	200	Writing materials, etc
4.2 Refreshments	720	\$30 x 12 trays x 2 days
4.3 Allowances	1,420	(\$50 x 8 supervisors + \$10 x 31 enumerators) x 2 days
<b>Sub Total</b>	<b>2,340</b>	
<b>5 OTHERS</b>		
5.1 Telecom	500	Phone and fax
5.2 Contingency	2,501	Unforeseen circumstances
<b>Sub Total</b>	<b>3,001</b>	
<b>TOTAL ESTIMATED BUDGET</b>		<b>\$30,918</b>

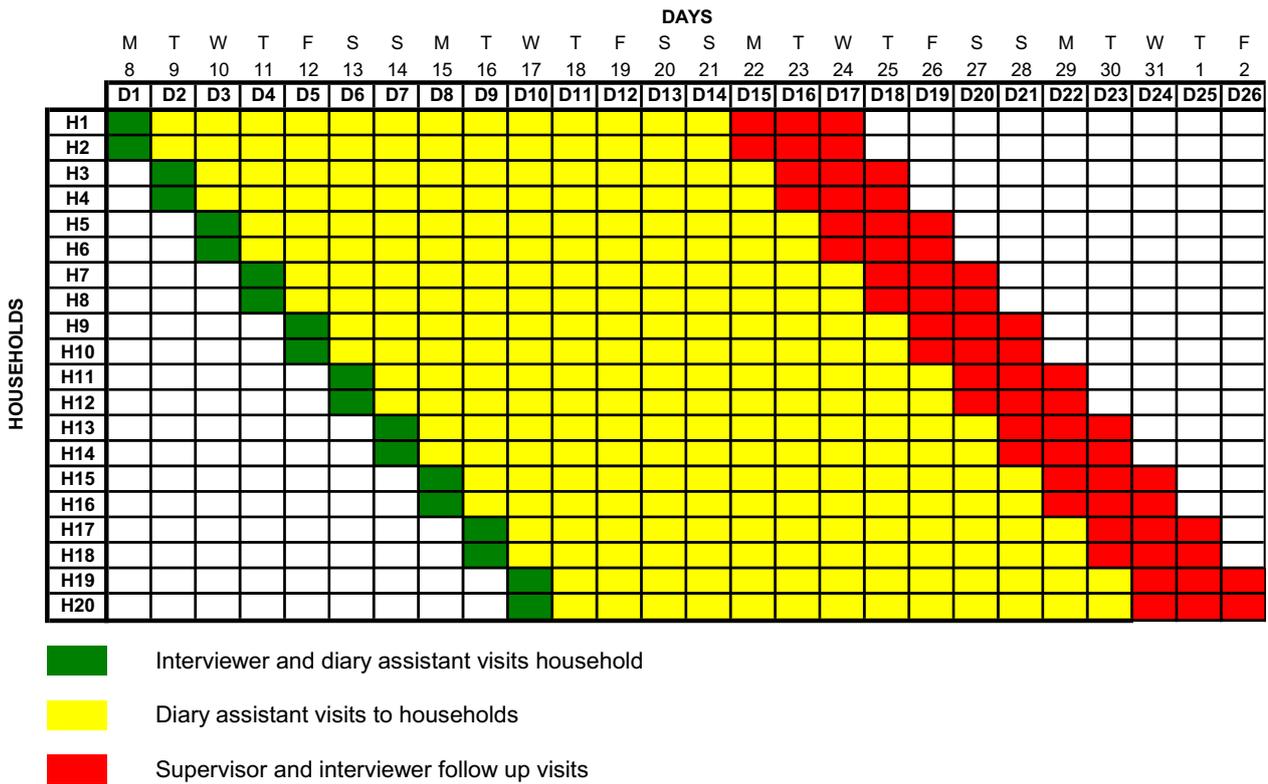
## FUNAFUTI HIES 2004/05 BUDGET

	Proposed	Revised	Savings
<b>WAGES</b>			
Supervisors	2,207	0	2,207
Interviewers	4,680	4,680	0
Dairy Assistants	4,000	4,000	0
<i>Total Wages</i>	<b>10,887</b>	<b>8,680</b>	<b>2,207</b>
<b>HOUSING ALLOWANCE</b>			
	<b>287</b>	<b>0</b>	<b>287</b>
<b>NATIONAL PROVIDENT FUND</b>			
	<b>1,117</b>	<b>868</b>	<b>249</b>
<b>TRAINING</b>			
Per diems - Supervisors (2 staff x 5 days x \$10)	100	0	100
Per diems - Interviewers (10 staff x 5 days x \$10)	500	0	500
Per diems - Dairy Assistants (20 staff x 2 days x \$10)	400	0	400
Refreshments (4 trays x 5 days x \$20)	400	400	0
<i>Total Training</i>	<b>1,400</b>	<b>400</b>	<b>1000</b>
<b>OTHERS</b>			
Advertisements (\$12 x 20 times)	500	240	260
Publicity (\$1.67 x 25 mins x 4 times)	500	200	300
Stationery (Includes Outer Islands supplies)	1,377	1552	-175
Per diems - Steering Committee (1 member x 3 meetings x \$20)	75	60	15
<i>Total Others</i>	<b>2,452</b>	<b>2,052</b>	<b>400</b>
<b>TOTAL</b>	<b>\$16,144</b>	<b>\$12,000</b>	<b>\$4,144</b>

# WORKPLAN FOR FUNAFUTI 2004

TASK	Aug - 04				Sep - 04				Oct - 04				Nov - 04			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b>Planning</b>																
Develop Survey Proposal																
Setup Steering Committee																
Determine Survey Objectives																
Determine Survey Outputs																
<b>Designing</b>																
Questionnaire Design																
Processing System Design																
Field Operations Manual																
Processing Systems Manual																
Field Listing																
Sample Design																
Pilot Test																
<b>Field Operations (Funafuti)</b>																
Field Staff Selection																
Training of Field Staff																
Field Enumeration																
Follow-up																
<b>Office Processing (Funafuti)</b>																
Coders/Data Entry Selection																

# WORKPLAN FOR FIELD OFFICERS IN FUNAFUTI



The plan assumes that the fieldwork is scheduled to begin on Monday 08 November and to end by 2 December.

**WORK PLAN - 2005**

TASK	Jan - 05			Feb - 05			Mar - 05			Apr - 05			May - 05			Jun - 05			Jul - 05			Aug - 05			Sep - 05		
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3
<b>Office Processing (Funafuti)</b>																											
Training of Coders/Data Entry																											
Data Entry																											
Data Editing																											
<b>Field Operations (Outer Is)</b>																											
Field Enumeration																											
Follow-up																											
<b>Office Processing (Outer Is)</b>																											
Data Entry																											
Data Editing																											
<b>Tabulations &amp; Analysis</b>																											
Attachment with SPC																											
<b>HIES Report</b>																											
First Draft																											
Final Draft																											
<b>Data Users Workshop</b>																											

