

# Tokelau - Population and Housing Census 2006

**Statistics New Zealand - New Zealand Government**  
**Tokelau National Statistics Office - Tokelau Government**

Report generated on: June 28, 2019

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## Overview

### Identification

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#### ID NUMBER

SPC\_TKL\_2006\_PHC\_v02\_M

### Version

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#### VERSION DESCRIPTION

Version 01: Cleaned, labelled and de-identified version of the Master file.

#### PRODUCTION DATE

2007-02-01

#### NOTES

Dataset has been removed from the documentation.

### Overview

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#### ABSTRACT

The 2006 Census of Tokelau was conducted on the 19th of October 2006, by both local representatives and Statistics New Zealand staff. Significant planning went into both the collection and output phases of the 2006 Census

- with consultation on various aspects of the census (for example, questionnaire content consultation) carried out in Tokelau, Samoa and New Zealand, where appropriate. The 2006 Census questionnaire was based on a

standard form developed by the Secretariat of the Pacific Community (SPC), with some changes as appropriate to the Tokelau situation.

Tokelau has a unique population composition. A significant proportion of the Tokelauan population are away from the islands at any one time, for various reasons (e.g. healthcare, education). Considerable time and effort has been

put into developing effective population measures for the 2006 Census of Tokelau, with a focus on ensuring all usual residents were counted - in particular those who were not present in Tokelau on census night. Core demographic information was completed by the head of the household, on behalf of people who usually live in Tokelau, but were away on census night.

#### KIND OF DATA

Census/enumeration data [cen]

#### UNITS OF ANALYSIS

Individuals and Households.

### Scope

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#### NOTES

- HOUSEHOLD: Dwelling characteristics; sources of water; means of cooking; rubbish disposal; household items; access to Sky TV, internet; numbers of pigs and chickens; sources of income.

- INDIVIDUALS: Name (suppressed), sex, age, relationship to household head; living where; ethnicity; religion; birth mother and father still alive; language skills: speaking and writing; address 5 years ago; education and qualifications; marital status;

paid and unpaid employment; children given birth to.

#### TOPICS

Topic	Vocabulary	URI
PHC		

#### KEYWORDS

Census, Dwellings, Population, Demography, Employment, Education, Life satisfaction, Economic activity

## Coverage

#### GEOGRAPHIC COVERAGE

National coverage: the census covers residents of Tokelau and also Tokelau public servants and their families who are employed in Apia, Samoa.

#### UNIVERSE

The Census covers residents of the non-selfgoverning New Zealand territory of Tokelau and includes Tokelau public servants and their families who are employed in Apia, Samoa. While visitors to Tokelau on Census night are also included, the ultimate aim of the Census is to provide an accurate assessment of the de jure population.

## Producers and Sponsors

#### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Statistics New Zealand	New Zealand Government
Tokelau National Statistics Office	Tokelau Government

#### OTHER PRODUCER(S)

Name	Affiliation	Role
Statistics New Zealand	New Zealand Government	Contractor

#### FUNDING

Name	Abbreviation	Role
Tokelau National Statistics Office	TNSO	Operational support

#### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
Mike Berry	Statistics New Zealand	StatsNZ Census team leader
Kele Lui	Tokelau National Statistics Office	National Statistician

## Metadata Production

#### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Tokelau National Statistics Office	TNSO	Tokelau Government	Documentation of study
Statistics for Development Division	SDD	Pacific Community	Review of the documentation

#### DATE OF METADATA PRODUCTION

2019-03-01

DDI DOCUMENT VERSION

Version 01 (March 2019): Created during South-to-South training at the Pacific Community, using material from the StatsNZ website as well as unit records and data dictionary supplied by StatsNZ.

Version 02 (April 2019): Review of the existing documentation. Done at Noumea, New Caledonia by Statistics for Development Division.

DDI DOCUMENT ID

DDI\_SPC\_TKL\_2006\_PHC\_v02\_M

# Sampling

No content available

# Questionnaires

## Overview

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The questionnaire of the 2006 Tokelau Census consisted of three different forms:

- Dwelling form: Dwelling characteristics; sources of water; means of cooking; rubbish disposal; household items; access to Sky TV, internet; numbers of pigs and chickens; sources of income.
- Individual form: Individual characteristics; relationship to household head; living where; ethnicity; religion; birth mother and father still alive; language skills: speaking and writing; address 5 years ago; education and qualifications; marital status; paid and unpaid employment; children given birth to.
- Absentee form: Individual characteristics; reason for / length of absence; income.

The 2006 Census questionnaire was based on a standard form developed by the Secretariat of the Pacific Community (SPC), with some changes appropriate to the Tokelau situation.

Some modifications were made in the 2006 Questionnaire, for instance:

- In 2001, the questionnaire only asked for items owned and not necessarily partial or shared ownership as it did in 2006.

A thorough review of the employment and work sections of the questionnaire was undertaken to ensure the unique work force in Tokelau was represented, while at the same time ensuring international comparability.

Questions on languages spoken, cigarette smoking and household income were added.

The English version of the questionnaire was reviewed using cognitive testing with four Wellington-based Tokelauan families. The near-final English version of the questionnaire was then tested in Tokelau in July 2006.

Consultation about the content of the census forms was also undertaken in Tokelau and Samoa, with Tokelau government representatives and decision-makers. This consultation was an opportunity to determine what information was required by various data users and how it could best be delivered. After the July visit to Tokelau, the questionnaire was finalised and translation into Tokelauan was carried out.

A shorter version of the full individual questionnaire was used for Tokelau Public Service (TPS) working in Samoa, which consisted of only basic demographic questions about each member of the household. No dwelling questions were asked in Samoa.

The census questionnaire was a paperbased, interviewer-administered questionnaire available in two languages (English and Tokelauan).

# Data Collection

## Data Collection Dates

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Start	End	Cycle
2006-10-19	2006-10-19	Data collection

## Data Collection Mode

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Face-to-face [f2f]

## Data Collection Notes

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On Census day every person in Tokelau was interviewed. Tokelauan employees of the Tokelau Public Service (TPS) based in Apia (and their immediate families), were also interviewed in Apia on census day. The census forms and data collection methodologies used in Tokelau and Apia were different - they were altered to meet local requirements.

A person from their own atoll interviewed Tokelau respondents at their homes in Tokelau. The head of the household completed the household questionnaire and the individual questionnaires were answered by the individual or by the head of the household in the case of young children. Each household nominated their own head of household.

Two members of the Tokelau National Statistics Office (TNSO) were responsible for carrying out the collections process at the TPS office in Apia. The interviewer training was completed in one day, and interviews were completed at the Apia TPS office on census day. The TPS employee was asked about each member of their immediate family. On each of Tokelau's atolls, one of the census management team oversaw field operations and undertook quality monitoring on census day.

In Tokelau, people from each atoll were recruited to work as supervisors and interviewers. In total, there were three supervisors and 26 interviewers in the field force. The field staff were trained over the course of five days in Fakaofu. The census forms and data collection methodologies used in Tokelau and Apia were altered to meet local requirements.

The recruitment of field staff for each atoll and the Tokelau-based training of the field staff was identified by the field collections staff as very successful. The Tokelau-based training and atoll-based field collection staff provided a method of gaining local engagement in the census process.

Respondents in Tokelau were interviewed at their homes by a person from their own atoll. The household questionnaire was completed by the head of the household and the individual questionnaires were answered by either the individual or the head of the household.

Careful consideration was given to the use of the head of the household concept. It was decided to use this concept as it was appropriate in Tokelau. Each household nominated their own head of household, and while in most cases it was a man, sometimes it was a woman.

The Samoa field team was comprised of two people: a TPS employee and a member of the census management team from Statistics New Zealand. Interviewer training was completed within one day, and interviews were undertaken at the two TPS offices in Apia. The TPS employee was interviewed about each member of his / her immediate family. A summary version of the full census form was used, and only basic demographic questions were asked about each member of the household. No dwelling questions were asked in Samoa.

On each of the Tokelauan atolls and in Samoa a member of the census management team oversaw field operations and undertook quality monitoring on census day. After census day, field staff debriefings were conducted in Tokelau and Samoa.

## Questionnaires

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## Data Collectors

Name	Abbreviation	Affiliation
Statistics New Zealand	SNZ	New Zealand Government
Tokelau National Statistics Office	TNSO	Tokelau Government

## Supervision

In Tokelau, SNZ recruited people from each atoll to work as district supervisors and interviewers - there were three district supervisors and 26 interviewers in the field.

Supervisors helped the census management team to conduct quality checks of every census form. This quality check helped to ensure that essential information had been gathered, and codes were assigned to openended questions. It also provided information used to produce the provisional count.



# Data Processing

## Data Editing

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The vast majority of editing was done on the dataset rather than on the raw data. Data evaluation identified cases that needed editing, the resolution was researched by the census manager, and any changes were recorded. This approach was taken to allow for a record to be kept of how many changes (consistency edits) have been undertaken, allowing the process to be defensible.

Census data processing was done using CSPro v 3.0 (Census and Survey Processing System). The Pacific Community (SPC) endorsed CSPro as the standard processing system for all population statistics in the Pacific. For the census of Tokelau, CSPro was used for key entry, editing, and verification of the census data.

## Other Processing

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Census data processing was done using CSPro v 3.0 (Census and Survey Processing System). The Pacific Community (SPC) endorsed CSPro as the standard processing system for all population statistics in the Pacific. For the census of Tokelau, CSPro was used for key entry, editing, and verification of the census data.

The processing system key-entry screens were designed to closely resemble the census forms. The system allowed range edits and auto-tabbing to be added to aid the key-entry process.

Three Apia-based key entry operators and four members of the census management team were trained to use the key-entry system and subsequently spent four days doing the initial key entry of data. Three further days were spent verifying that the information entered into the system was accurately recorded.

The census data was then exported to Microsoft Excel for evaluation, and imported into the program SAS (Statistical Analysis System) for detailed data analysis.

## Data Appraisal

### Estimates of Sampling Error

Not applicable: Census

### Other forms of Data Appraisal

Given the small population size, no post-enumeration survey was done.

In some cases a respondent's birth day or month was imputed. In these cases the date was randomly selected from one to thirty one and the birth month was randomly selected (from January to December). Any imputed dates were checked to ensure they were valid dates eg not 31 February. Overall the census management team felt that the editing, imputation and mandatory variables methods used were successful. They provided a good balance between quality and practicality for a small census.

# Documentation

## Questionnaires

### English Questionnaire - Tokelau 2006 Census

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Title	English Questionnaire - Tokelau 2006 Census
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2006-01-01
Country	Tokelau
Language	English
Description	<p>This file is the English questionnaire of the 2006 Tokelau Population and Housing Census.</p> <p>This file is divided into 3 sections:</p> <ul style="list-style-type: none"> <li>- Dwelling form</li> <li>- Absentee form</li> <li>- Individual form.</li> </ul>
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Questionnaires/Final/English Questionnaire TKL 2006 PHC.pdf

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### Tokelau Questionnaire - Tokelau 2006 Census

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Title	Tokelau Questionnaire - Tokelau 2006 Census
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2006-01-01
Country	Tokelau
Language	English
Description	<p>This file is the Tokelauan questionnaire of the 2006 Tokelau Population and Housing Census.</p> <p>This file is divided into 3 sections:</p> <ul style="list-style-type: none"> <li>- Dwelling form</li> <li>- Absentee form</li> <li>- Individual form.</li> </ul>
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Questionnaires/Final/Tokelauan Questionnaire TKL 2006 PHC.pdf

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## Reports

### Analytical Report - Tokelau 2006 Census

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Title	Analytical Report - Tokelau 2006 Census
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2007-02-01
Country	Tokelau
Language	English
Description	<p>This file is the final analytical report presenting the main results of the 2006 Tokelau Population and Housing Census. It contains detailed analysis and methodological information on how the census was organized.</p>

Table of contents	<ol style="list-style-type: none"> <li>1. Introduction and background to the census: p.1</li> <li>2. Geography and history: p.5</li> <li>3. Final population definitions and counts: p.9</li> <li>4. Population structure: p.13</li> <li>5. Social and cultural profile: p.23</li> <li>6. Education: p.29</li> <li>7. Paid and unpaid work: p.35</li> <li>8. Dwellings and households: p.43</li> <li>9. The census process: p.51</li> <li>10. Usual residence criteria: p.59</li> <li>11. Questionnaires: p.63</li> </ol>
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Reports/2006 TOKELAU Census Analytical Report - Final.pdf

## Tabular Report - Tokelau 2006 Census

Title	Tabular Report - Tokelau 2006 Census
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2006-12-20
Country	Tokelau
Language	English
Description	This file is the final tabular report presenting the main results of the 2006 Tokelau Population and Housing Census. It contains population counts and cross-tabulations for most variables collected in the census.
Table of contents	<ol style="list-style-type: none"> <li>1. Introduction</li> <li>2. Population Count Definitions</li> <li>3. Final Population Counts</li> <li>4. Tables</li> <li>5. Appendix</li> </ol>
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Reports/2006 TOKELAU Census Tabular Report - Final.pdf

## Fakaofu Atoll Profile

Title	Fakaofu Atoll Profile
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2007-02-15
Country	Tokelau
Language	English
Description	This file is the Atoll Profile showcasing the main topics covered in the 2006 Tokelau census for Fakaofu.
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Reports/2006-Fakaofu atoll profile - final.pdf

## Atafu Atoll Profile

Title	Atafu Atoll Profile
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2007-02-15
Country	Tokelau
Language	English
Description	This file is the Atoll Profile showcasing the main topics covered in the 2006 Tokelau census for Atafu.
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Reports/2006-Atafu atoll profile - final.pdf

## Technical documents

### Coding Dictionary - Tokelau 2006 Census

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Title	Coding Dictionary - Tokelau 2006 Census
Author(s)	Tokelau National Statistics Office Statistics New Zealand.
Date	2006-01-01
Country	Tokelau
Language	English
Description	This file is the Code list of the 2006 Tokelau Population and Housing Census. It contains all the codes present in this census.
Filename	C:/Users/olivierm/OneDrive - SPC/Olivier Menaouer/NADA/Tokelau/SPC_TKL_2006_PHC_v01_M/Doc/Technical/tokelau coding dictionary - one column.xls

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