



THE UNIVERSITY OF
SYDNEY



Australian Government
Australian Centre for
International Agricultural Research



**ACIAR HORT/2014/094: Developing the cocoa value chain
in Bougainville**

**Report on the Results of a Livelihood
Survey of Cocoa Farmers in
Bougainville
September 2018**



This report was prepared by Professor Merrilyn Walton, Professor David Guest, Ms Jessica Hall (PhD Candidate), Mr. James Butubu, Associate Professor Kirsten Black, Dr Floris Van Ogtrop, Mr. Grant Vinning, Dr Josephine Saul-Maora.

Acknowledgements

The research team acknowledges that without the vision and support of the Australian Centre for International Agricultural Research we would not have such rich data describing the daily challenges experienced by cocoa farmers on Bougainville. The livelihood survey administered over a one-year period canvassed all aspects of rural life and introduced new thinking consistent with a One Health approach. Sustainable development in the Autonomous Region of Bougainville requires attention to the health of soils, plants, humans and animals well as to the local environment. Attention to natural systems and understanding how the different parts inter-relate is core for One Health methods. Deep understanding of cocoa production requires understanding of how human health impacts on work and how the way people work impacts on the environment; how different components inter-relate. This interdependence is neglected in traditional siloed and specialist approaches typical of development work in many countries. By including a health/nutrition component ACIAR recognised that livelihoods of cocoa farming communities are dependent on a multitude of factors that relate to agricultural practices, farm management, financial and food security as well as education, nutrition and health. This approach acknowledges the inter-connectedness of humans, plants, animals, ecosystems and the climate. Our multidisciplinary research is underpinned by a methodology that involves a collaboration with different disciplines, a system approach, close engagement with communities, knowledge transfer, gender equity and sustainability.¹

The Livelihood Survey would not have occurred without the strong support of the Autonomous Region of Bougainville Government and the Secretaries of Primary Industries and Health. Mr Thomas Betitis, Secretary of the Department of Primary Industries, and Mr Clement Totavun, Secretary of the Department of Health gave invaluable advice and guidance. Their cooperation and organisational efforts ensured the success of the survey process. The results of this survey apply to the autonomous region of Bougainville as well as describe regional differences. The results also provide evidence supportive of the *Bougainville Strategic Development Plan 2018-2022*. This survey captured information far beyond what is included in this report. Further reports can be provided to government departments on request. In this report we describe the main findings.

The interviewers who administered the surveys did an outstanding job. Despite the geographical challenges they faced in accessing many villages they competently and ethically completed 5172 individual surveys. Hub Managers Elizabeth Pisiai, Theodore Kisu, and Normal Tola (since left the position) ensured the interviewing process was kept on track and supported the team leaders. We were very lucky to have such a capable project team, led in different stages by John Konam, Sam Rangai and James Butubu.

¹ Charron DF. Eco Health: Origins and Approach. In Eco Health Research in Practice: Innovative Applications of an Ecosystem Approach to Health. Ottawa: Springer; 2012.

Interviewers

Central

Theodore Kisu (Supervisor)

Bernard Kopana
Sandra Dunaa
Robin Miringoro
Bertilda Ben
Clarence Darku
Martina Ona
Nisha Dessi
Tioloni Dandava
Jasmine Tunijio
Junior Karatabi

North

Normal Tola (Supervisor)

Nancy Kilido
Gilbert Tobasi
Giselle Gitoana
Odilia Kehali
Charlotte Tausiva
Ireneaus Semon
Mathias Tokein
Patrick Aromet
Augustine Tola
Medas Nelson

South

Elizabeth Pisiai (Supervisor)

Tsiru Johnmark
Ignatius Nakuri
James Misila
Timothy Kurioju
Joseph Kinawi
Pauline Tonnaku
Anasthacia Diou
Martha Barako
Therese Korake
Pauline Makes

We have strived to ensure the accuracy of the data in this report, but due to the size of the project there may be small inaccuracies. If any inaccuracies exist, they will not change the findings in any substantive way. Inaccuracies will also be identified in our ongoing analysis of the data set.

Training the interviewers and awarding certificates on completion of the course. South Bougainville.



Summary

ACIAR project HORT/2014/094: Developing the cocoa value chain in Bougainville has four key Objectives. This report focusses on Objectives 1: *To improve the productivity, profitability and sustainability of cocoa farming and related enterprises* and 2: *Understand and raise awareness of the opportunities for improved nutrition and health to contribute to agricultural productivity and livelihoods*. To address these objectives the team administered a survey to obtain baseline data about multiple factors that might impact on cocoa farmers' capacity to improve their livelihoods.

Our survey audited cocoa production in South, Central and North Bougainville. Questions on demographics, farm size, cocoa plantings, cocoa production, diversification, gender and health enabled us to identify key influences on cocoa production and farmer wealth. As cocoa production provides the majority of exports from Bougainville, factors that identify features of the wealthiest smallholder cocoa farmers may help us design better ways to support improvement of smallholder productivity and cocoa production. Our aim included identifying factors that might contribute to low production and poverty.

The livelihood survey was undertaken over a 12-month period in 2017. Thirty-three trained interviewers administered the surveys to households in 33 Village Assemblies - 11 from each region. The questionnaire covered: Household demographics, including Men (15 years+), Women (15-49 years), Children. In households that included young children (59 months or less), weight and height were measured for the children and their mothers. (Attachment 1 is a list of the questions.) Questions covered livelihood activity, incomes, cocoa farming practices, land ownership, water sources, water storage and availability, hygiene and sanitation practice, diet, food security, health care utilisation, chronic health conditions, history of morbidity/illnesses and level of education. The total number of individuals captured in the survey include 2,023 men, 1,961 women and 1,188 children comprising 2,346 households and 12,397 registered household members. (We captured data on all household members (registered household members) but did not interview all members of the household.)

Data from questions on demographic, housing, education, farming equipment, banking and ownership of mobile phones or radios were used to distinguish wealth index quintiles ranging from 1 (wealthiest 20%) to 5 (poorest 20%). Our analysis focussed on biological, geographic, socioeconomic and health factors linked to wealth or poverty.

The results show that cocoa is the main source of income for South and Central Bougainville while copra is the main source in North Bougainville. Most farmers either own their land or use clan lands. The strongest correlations with cocoa production were education level, chronic health and physical afflictions. Healthier, well-educated farmers produced more cocoa and tended to be wealthier. Farming families with low levels of education reporting chronic health problems tended to live in relative poverty.

Neither farm size nor number of cocoa trees explained cocoa production or wealth. One explanation for the wide diversity of production in each wealth category may be that wealth is not a prerequisite for good farming. Many farmers fail to properly manage their cocoa no matter how wealthy they are, particularly if they have multiple large plantings to manage. Cocoa production responds well to intensive management, but our survey suggests management is generally poor and focused on harvesting operations rather than routine maintenance. One of our strategies is to support farmers to intensify their cocoa production so they manage fewer trees better. This would increase productivity independently of farm size or number of trees. Improving financial literacy and labour productivity would compound the benefits of cocoa intensification.

Intensification of cocoa farming makes diversification possible. Land not given to poorly managed cocoa, becomes available land for supplementary food gardens or market crops. Wealthier farmers grew an average of

2.8 other crops while poorer farmers grew an average of only 2.0 other crops. Regardless of wealth many farmers grew coconuts, bananas and betel nut but these crops did not obviously contribute to wealth, perhaps suggesting they are consumed rather than sold.

We found a strong correlation between ownership of livestock (pigs and chickens) and wealth. Livestock husbandry requires finance and labour and represents a large investment that perhaps excludes poorer farmers. We have recognised the benefits of incorporating goats into the cocoa production system as they consume cocoa wastes and produce fertiliser and meat. Removing diseased wastes to feed the goats reduces disease losses in the cocoa crop and composted goat manure fertiliser stimulates cocoa growth and yields. However, like good cocoa tree maintenance and bean processing, livestock require an investment of labour and finance and it is likely that these may be the main limiting factors to increased cocoa production and transformation of cocoa smallholder livelihoods. We will continue to monitor how livestock ownership influences farmer wealth.

We surveyed a similar number of men (55%) and women (45%) cocoa farmers in our total of 3984 adult respondents. These proportions reflect the family nature of cocoa farming. In the “Family Farms” training in our project (developed from another ACIAR project) we treat the farm as a family enterprise with men and women taking contributing roles. The focus is on developing shared leadership and productive teamwork supported by planning, mediation and partnership in decision making.

The clearest correlations with smallholder cocoa production, both in 2016 and 2014-2016, were with farmer health. There were clear correlations between physical limitations to labour, chronic illness and poverty. Conversely, healthier farmers are wealthier, independent of other biological, geographical or socioeconomic factors. These data support our recommendation to integrate farmer health service delivery with agronomic and family farms training. We now have strong evidence that improving farmer health will also increase cocoa production in Bougainville, and the wealth of rural smallholder communities.

Cocoa farming communities face hardships in a number of areas particularly in access to safe water sources and sanitation. While a majority of the population attended a community school only 14 percent received a high school education and only four percent attained tertiary education. Only one third have a bank account but over half owned a mobile phone. Around 42 percent of the population reported moderate to severe food insecurity.

The report separately reports on men’s and women’s health. Over half of the male population currently smoke. Both men and women used Buai frequently reporting consumption of 5 nuts or more a day. A WHO² report says betel nut chewing has been classified as a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Cancer Research (IARC) because chewing induces oral precancerous lesions that may progress. Combining the use of betel nut with tobacco significantly increases the risk of premature illness and death. In the Western Pacific Region betel nut and tobacco chewing has become a significant public health problem. While betel nut may be an important cultural and social tradition in many countries, growing evidence points to serious health effects from regular use.

More than a quarter of the male population and 14 percent of women had been treated for malaria in hospital within the last six months. Both men and women reported that the main reasons for seeking health care in the last six months related to symptoms of cough and fever. Cough and fever are well known symptoms associated with tuberculosis. Both sexes reported symptoms of a range chronic conditions that were undiagnosed and untreated.

² Review of Areca (Betel) Nut and Tobacco Use in the Pacific: A Technical Report

While nearly all women received antenatal care from a nurse most did not present until after the first trimester. Routine antenatal tests were variable with over half having a test for HIV in pregnancy. One quarter of women described their last pregnancy as unwanted; 11 percent were currently using family planning.

Sixty percent of children were reported to have a registered birth certificate. The remaining 40 % said they did not know how to register a child. A birth certificate is a basic legal document that gives identity to a child and automatically provides a number of rights. Without a birth certificate, children may be excluded from education as well as health and social services. Birth registration is also an important process for governments, to develop services and structures that meet the needs and size of their populations.

Nearly 100 percent of mothers reported breast feeding their baby in the first day. Almost one quarter of children in the age group 12-23 months had not had a vaccination. Over one third of the children in our survey under the age of 5 needed to access health care in the 12 months before the survey. The main reason were symptoms of cough fever and diarrhoea. The majority were taken to a government clinic by foot.

A significant 58% of children under 5 years were found to have stunting with 19% severely stunted. Over a third of children under the age of 5 were found to be underweight (513) and almost a fifth wasted (237). The prevalence levels reported for stunting, wasting and underweight are considered to be very high based on the World Health organisation cut off values for public health significance^[1]. While a large proportion of stunting is across all regions the South bears a slightly higher burden.

The Cocoa Farmers Health Framework has been developed using the results of the survey and the literature. This Framework does not duplicate the established Bougainville Healthy Community Programme (BHCP). Rather it is hoped that the Framework will assist the BHCP in specific areas identified in this survey.



Training female interviewers how to perform anthropometric measures

^[1] WHO. Nutrition Landscape Information System (NLIS) Country Profile Indicators [ONLINE] Available at: http://www.who.int/nutrition/nlis_interpretation_guide.pdf. [Accessed 10 September 2018].

Introduction

This project aims to contribute to the sustainable and socially equitable economic development of Bougainville by improving the profitability and vitality of smallholder cocoa farming families and communities. A range of strategies have and are being implemented. This report concerns Objective 2 of the project *Developing the Cocoa value Chain in Bougainville HORT/2014/094*. This report is confined to reporting the results of the Livelihood Survey and does not include the significant on-going work in other areas. Many of the conditions and situations faced by the cocoa farming population on Bougainville in this report are acknowledged by the Autonomous Bougainville Government in the Bougainville Strategic Development Plan (2018-2022).

The four project aims for this 6-year research project are set out in the Box below with the focus of this report printed in bold: -

Box1: Key Aims for Developing the Cocoa Value Chain in Bougainville HORT/2014/094

1: To improve the productivity, profitability and sustainability of cocoa farming and related enterprises

Key research question: Among the many technologies available for intensification of cocoa production, which options and combinations are most appropriate to the social and biophysical context of Bougainville?

2: To understand and raise awareness of the opportunities for improved nutrition and health to contribute to agricultural productivity and livelihoods

Key research question: To what extent is poor health and nutrition a barrier to improved agricultural labour capacity and living standards?

3: To foster innovation and enterprise development at community level

Key research question: Can public sector R&D investment catalyse enterprise development leading to diversified and stable incomes and improved social outcomes for cocoa farming families?

4: To strengthen value chains for cocoa and associated horticultural products

Key research question: How can market access and value chain efficiency for cocoa and other farm and garden outputs of Bougainville be enhanced to improve farm family livelihoods?

Objective 1: To improve the productivity, profitability and sustainability of cocoa farming and related enterprises

This Objective has 9 aims:

1. ABG, District, CoE and village consultations (completed)
2. Baseline information collection and analysis (completed)
3. Selection of participating villages (completed)
4. Training of DPI Senior Facilitators, District Officers and selected VEWs (continuing)

5. Establish village budwood gardens and nurseries (31 of 33 Village Assemblies now have nurseries)
6. Evaluate soils and compost and fertiliser requirements (in progress)
7. Establish IPDM demonstration plots (in progress)
8. Establish mobile support networks (planned for 2019)
9. Farmer training (continuing)

Objective 2: Understand and raise awareness of the opportunities for improved nutrition and health to contribute to agricultural productivity and livelihoods.

This objective had 6 aims (Health includes nutrition)

10. Establish base line data about the health of cocoa farming families (completed)
11. Select validated WHO tool(s) for collecting health data (completed)
12. Establish the extent to which health and disease impacts on farming activities (on-going- PhD project)
13. Establish the health priorities of each community (completed- regional data available)
14. Develop an evidenced-based Cocoa- Health/Livelihood Framework (Cocoa Farmers Health Framework) that describes best practice in healthcare for communities. (completed)
15. Link with the Department of Health to facilitate community access to and use of existing health care services in Village Resource Centres (planned work for 2019-21)

Development of the Survey

The questionnaires were developed from the following validated surveys: - UNICEF Multiple Indicator Cluster Surveys, the USAID Demographic and Health Survey and the WHO World Health Survey. All questions were reviewed by the research team for relevance, context and terminology and modified as needed. Questions about cocoa farming, resources, equipment, income and agricultural practices were developed in a previous ACIAR project.³ The survey comprises six modules: Household, Men (15yrs+), Women (15–49yrs), Children (under 5yrs), Women’s Anthropometric (15–49yrs) and Children’s Anthropometric (under 5yrs). The questions were translated from English into *Tok Pisin*, although were often conducted in *tok ples*. The survey was piloted during the first chocolate festival held in Buin and Arawa in 2016.

The survey includes questions covering: economics, populations, livelihood strategies, housing standards, education, nutrition, food security, healthcare, access to mobile phones, banking, farm sizes and enterprises, details of cocoa activities (number and age of trees, management, yields, fermentation and drying, marketing, etc.), exposure to past training.

Preparation for the Livelihood Surveys

The research team had extensive consultations with the ABG district, local government and village representatives. As a result of those consultations a plan was agreed upon for the livelihood survey process. A community advisory committee was established in each region and chaired by an appropriate village/government leader and included women, youth and cocoa farmers as well as the project team. The committees assisted with informing the community about the surveys and with identifying the Village Assemblies to be invited to participate.

³ HORT/2012/026 Improved management strategies for cocoa in Papua New Guinea. 2014; Available from: <http://aciarc.gov.au/project/hort/2012/026>.

The Terms of Reference were: -

To provide oversight for a range of issues including:

- a) Maintaining focus on the research objectives
- b) Determining the scope of the health research including data collection
- c) Approaching participant consent and opting out of the health surveys and data collection
- d) Establishing the criteria for selecting the Village Assemblies to take part in the research
- e) Developing and approving the mobile-based tools for collecting data
- f) Developing the educational and training materials and technological aids
- g) Identifying the locations for data repositories
- h) Managing the Village Resource Centres

Selecting the Village Assemblies.

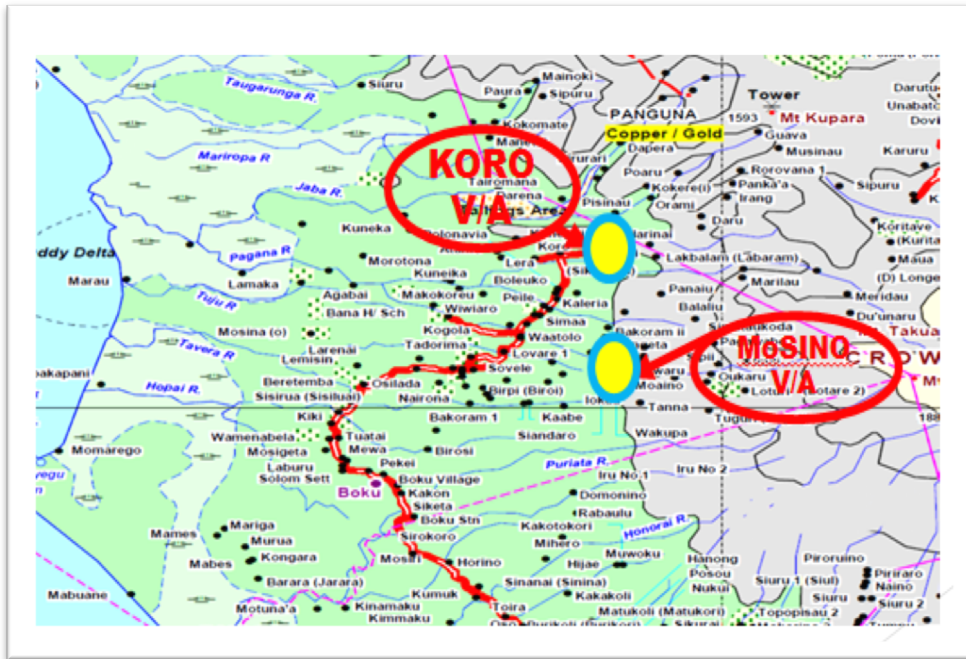
Meetings were held with local leaders, the ABG Departments of Primary Industry and Marine Resources, Health, and Community Government to discuss the livelihood survey and the types of questions that would be asked. Box 2 below sets out the criteria used for selecting the village assemblies that were invited to take part in the surveys. The sampling unit selected for the project was the Village Assembly (VA), which comprise two or more villages. A total of 33 VAs across the administrative regions of Southern, Central and Northern Bougainville were identified to participate in the project. Within each of the VAs all villages and households were invited to participate.

Box 2: Criteria for selecting village assemblies

- Grow cocoa / or cocoa farmer
- Motivated and showing leadership
- Possibility for expansion outside of VA with large population group
- Need to complement existing projects on the ground - need details of these projects
- Balance with hard to reach out disadvantaged communities. Need diversity
- Balance between communities that have and haven't received support before
- Avoid duplication
- Potential for diversification
- Security of farm ownership and VILLAGE Resource Centre security
- Geographic spread

These criteria were used to select 33 Village Assemblies throughout Bougainville. The maps below for each region show the village assemblies selected in which households would be approached to respond to the survey questions. All villages in the village assemblies were approached to consent to the survey. Interviewers who were known to a household or village did not interview for that location. Out of all the VAs there was only one VA in Central Bougainville which refused access to interviewers to survey households. This community in Rotokas in the Wakunai district refused to allow the interviewers to survey households due to disagreements about who would provide escort and security while the interviews were being conducted. To address the shortfall of households the interviewers extended the interviews to Rotokas a VA itself.

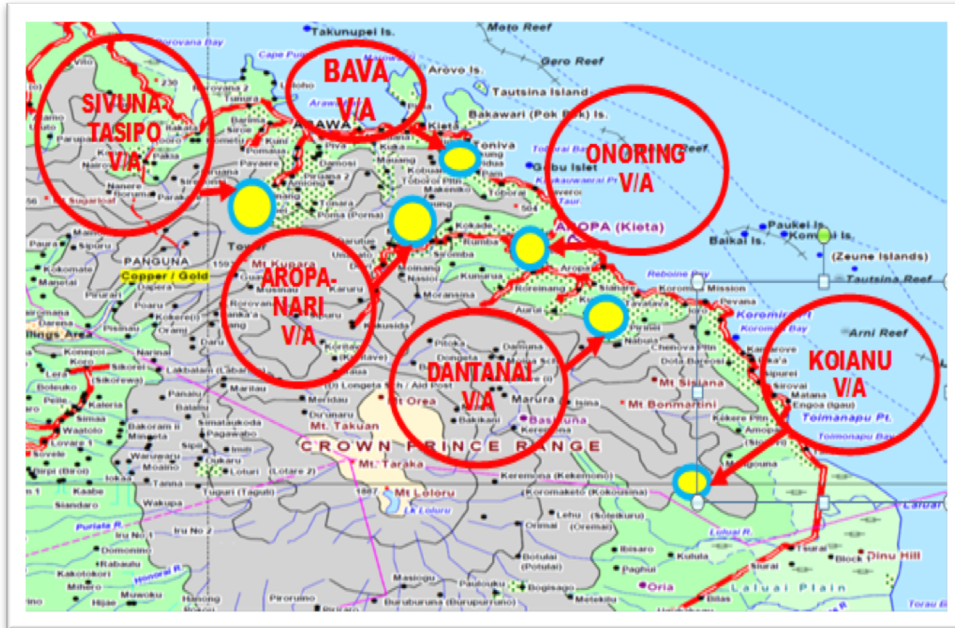
SOUTH BOUGAINVILLE-BANA DISTRICT



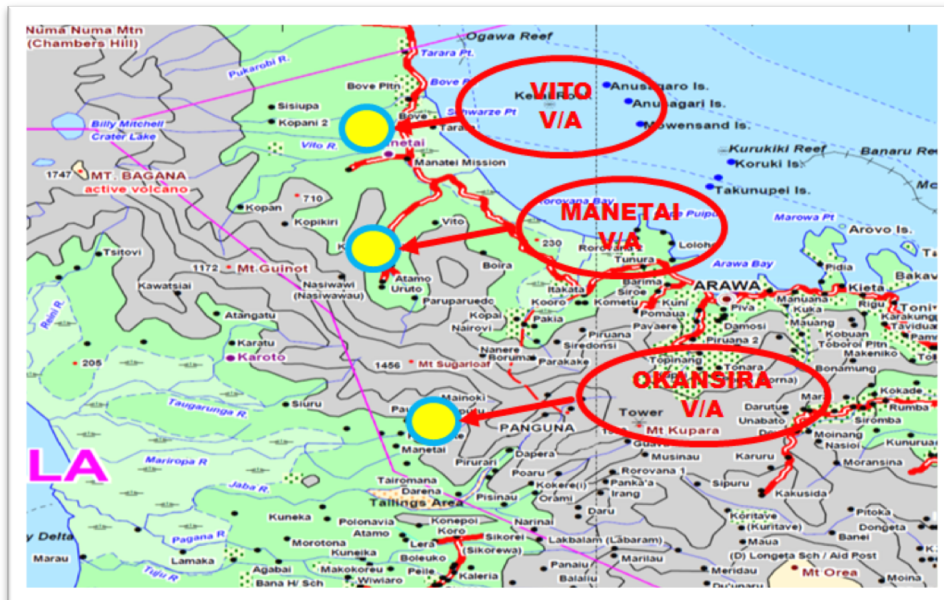
SOUTH BOUGAINVILLE-TOROKINA DISTRICT



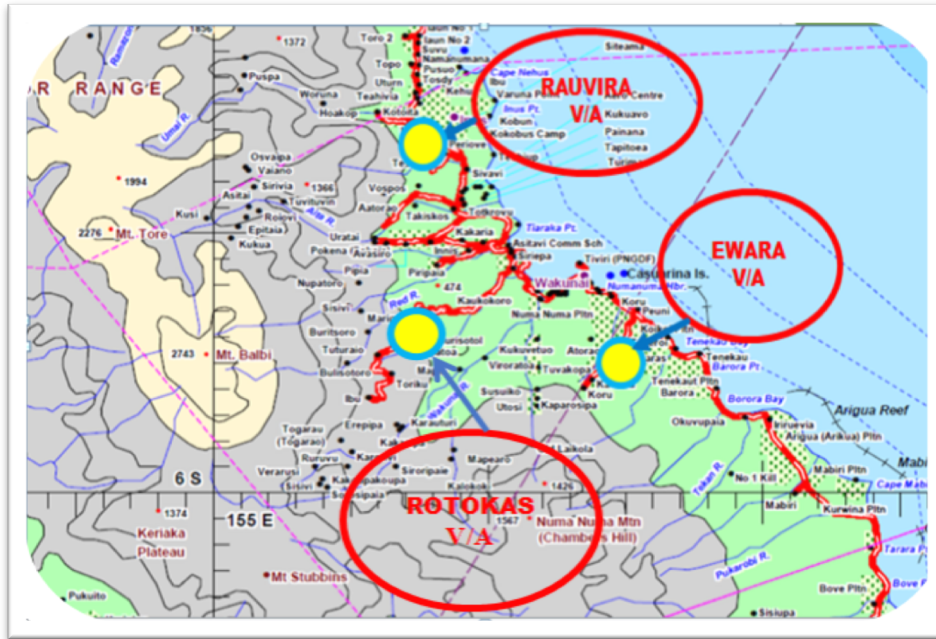
CENTRAL BOUGAINVILLE-KIETA DISTRICT



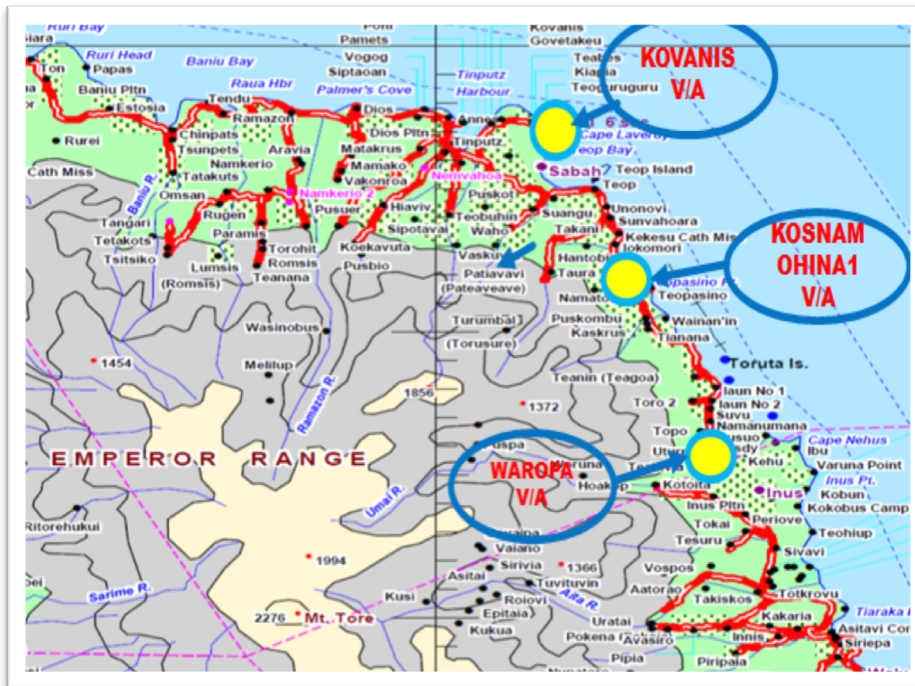
CENTRAL BOUGAINVILLE-PANGUNA DISTRICT



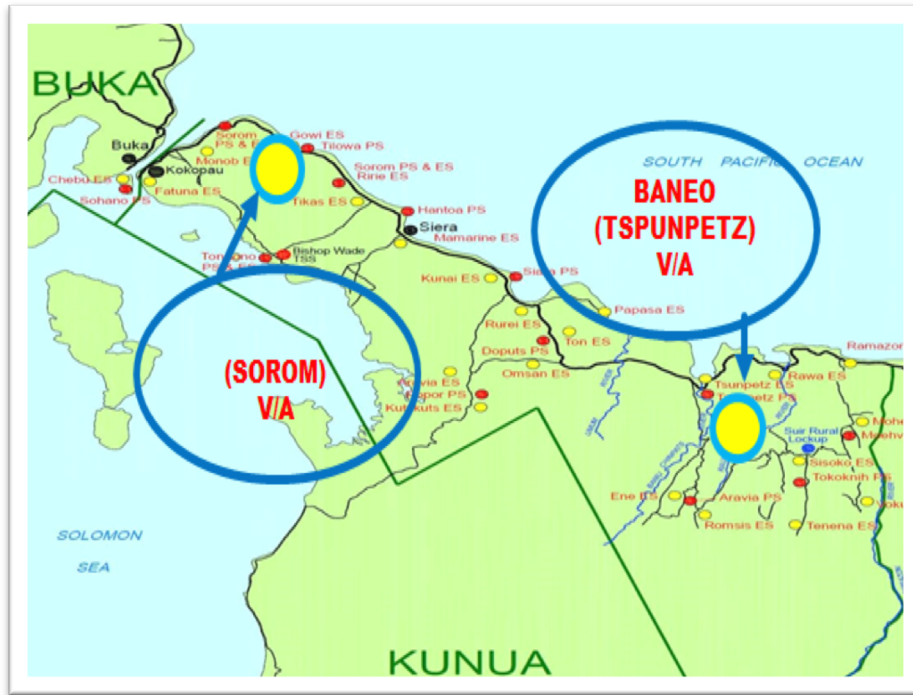
CENTRAL BOUGAINVILLE –WAKUNAI DISTRICT



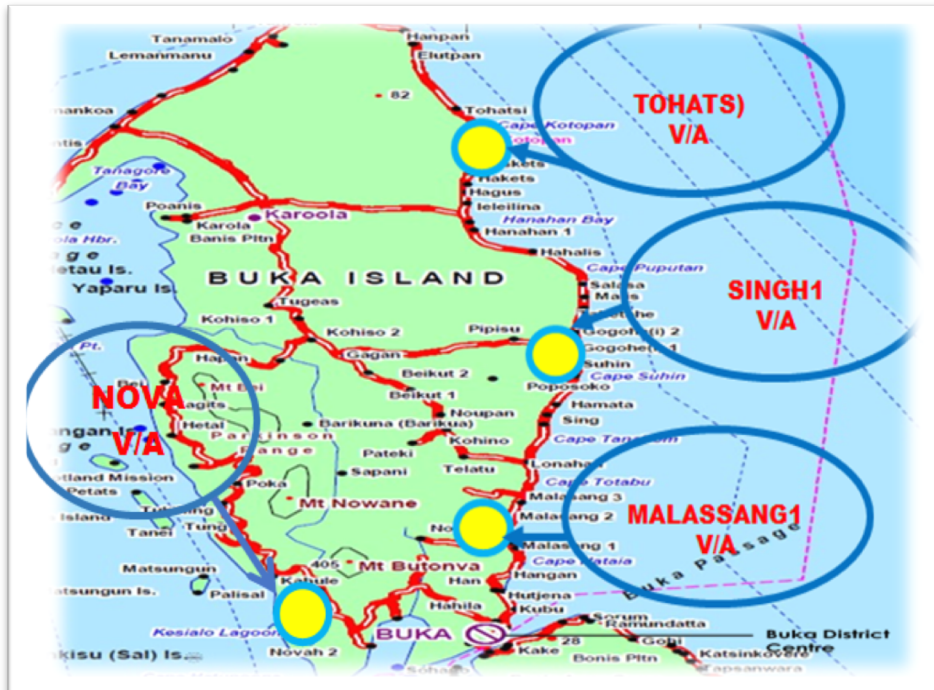
NORTH BOUGAINVILLE-TINPUTZ DISTRICT



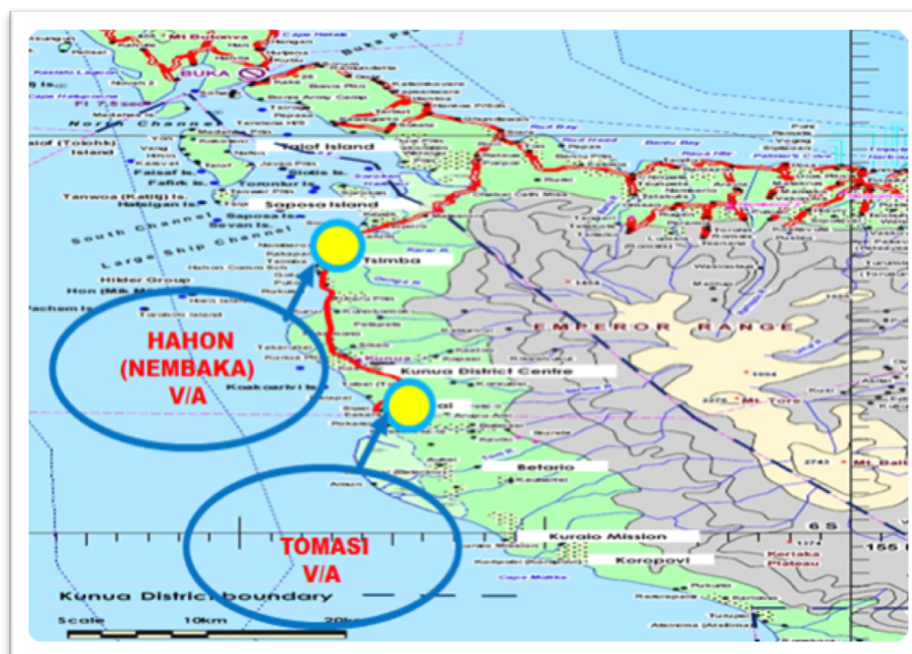
NORTH BOUGAINVILLE –SELAU SUIR DISTRICT



NORTH BOUGAINVILLE-BUKA DISTRICT



NORTH BOUGAINVILLE-KUNUA DISTRICT



The Survey Process

Selection and training of the interviewers

Each region agreed on a process for selecting interviewers. The interviewers were selected from the community based on a set of defined criteria. Women were encouraged to participate in the project, representing 50 percent of the survey teams. All interviewers and Hub Managers participated in a four-day training program. Additional time was spent in the field with the research team. Thirty interviewers were selected; 10 for each region with an equal number of females and males. Each team selected their own team leader who was responsible for allocating the work and keeping track of the number of interviews including downloading the data on a daily basis or maintaining the data until the internet was available.

Training Program

A Training Manual⁴ was developed and designed to provide interviewers with instructions about how to use the Alcatel One Touch Pixi 3 and the CommCare mobile application to conduct surveys. Each interviewer signed an agreement and completed the training course that had the following goals.

- Help interviewers and supervisors/project team get to know each other
- Discuss potential links between farmer family health and productivity and livelihoods
- Address immediate questions in participants' minds on the reasons and methods for the surveys
- CommCare operation (within forms and case management)
- Practice using CommCare and conducting surveys
- Know how to interview and respect the rights of the people being interviewed

⁴ The manual is adapted from The World Bank Child Needs Assessment Tool Kit Training Manual, March 2002 and the Demographic and Health Survey Interviewer's Manual ICF International Maryland, February 2015. It has been modified to consider the context of Bougainville.

- Know how to take anthropometric measurements on children under 5 and adult women.

The training included administering the survey, understanding of the survey questions, ethics, interviewing techniques, use of tablet devices and the CommCare interface. CommCare, an open source mobile platform was used to administer the questionnaires. CommCare enables data to be captured offline in the field, and then uploaded to the server once teams have access to 3G connectivity.

The Training Manual was printed, and a copy provided to each interviewer.

Part 1: How to use the Commcare application and conduct surveys

Part 2: A Guide for interviewers and supervisors

- Administrative accountabilities
- Introduction to the survey
- How to administer the survey
- Responsibilities of team leaders and hub managers
- How to be a good interviewer
- Ethical considerations

Field Training

The project team accompanied the interviewers in the field for the first two days of interviews. This provided support to the interviewers and an opportunity for the research team to identify any problems that might inhibit the interviewing process. Interviewers remained in the field sleeping in shelters provided by the villages until all the households in each village had completed the survey. The interviewers were paid a daily allowance.

Administering the surveys

The team leader in conjunction with the Hub Managers organised transport to the Village Assemblies. The team leader liaised with the village leaders about the timing of the interviews and discussed accommodation during their presence in the villages. Interviews took about 45-60 minutes. Each day the team leader downloaded and monitored the quality of the data being entered onto the tablets. Regular reports were sent to the research team in Sydney who monitored the progress of the survey.

Meetings with communities about the results

On completion of the surveys the interviewers were able to purchase their tablets and most interviewers took this opportunity. The data were cleaned by a statistician and analysed by the research team. The team met with each region and advisory committee to discuss the results of the survey as it related to their region. These meetings were well attended, and the project team were able to answer questions from village leaders and other stakeholders. The interviewers were also presented with certificates in recognition of their work. The last feed-back meeting will occur in September during the Chocolate Festival when we provide feedback of the survey results to the communities in the North region.

The results

The livelihood household baseline surveys were done over a 12-month period completing in December 2017 with the following results.

South Bougainville: 752 households; 1721 individual respondents (659 men; 652 women; 410 children) plus (634 women anthropometrics; 510 children anthropometrics)

Central Bougainville: 428 households; 750 individual respondents (336 men; 279 women; 135 children (224 women anthropometrics; 172 children anthropometrics)

North Bougainville: 1165 households; 1028 men; 1024 women; 641 children (945 women anthropometric; 769 children anthropometric)

TOTAL:

Individual respondents: 5172 (2023 men; 1961 women; 1188 children)

Total women anthropometrics: 1808

Total children anthropometrics: 1451

Households:2345

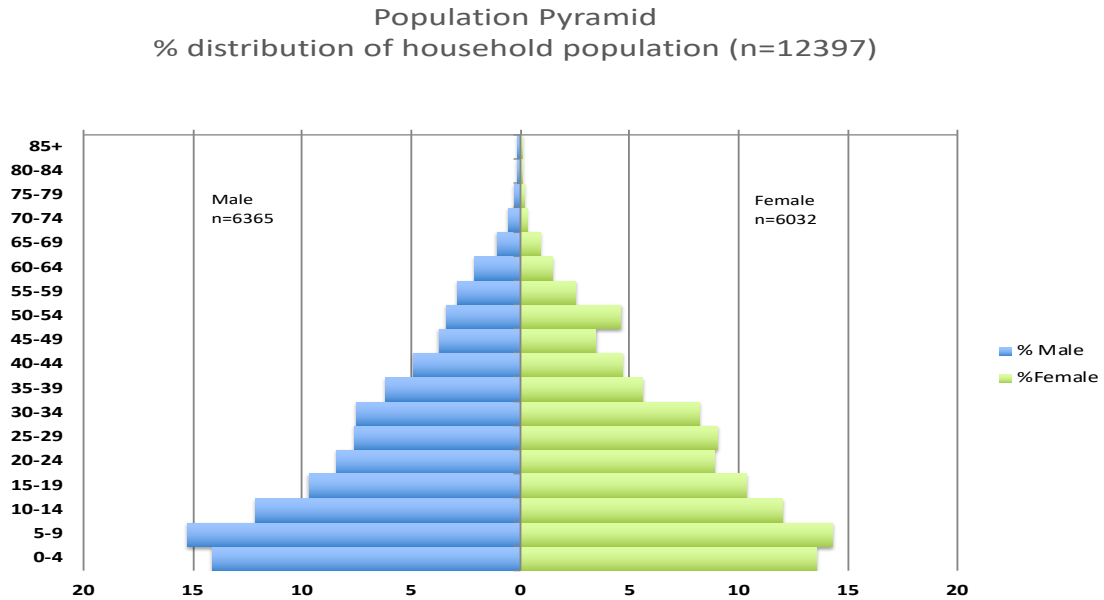
Total number registered in the households: 12,397

Form	Number eligible for interview	Number of respondents	Lost to follow-up
Household	2521	2346	175
Men	3224	2023	1201
Women	2599	1961	638
Child	1454	1188	266
Child Anthropometrics	1454	1315	139
Women Anthropometrics	2599	1808	791

'Lost to follow up'- includes non- responders. These are cases which were registered in a household listing by the head of the household but not available for interview- (not available at time of interview, at work, at school, sick, refusal)

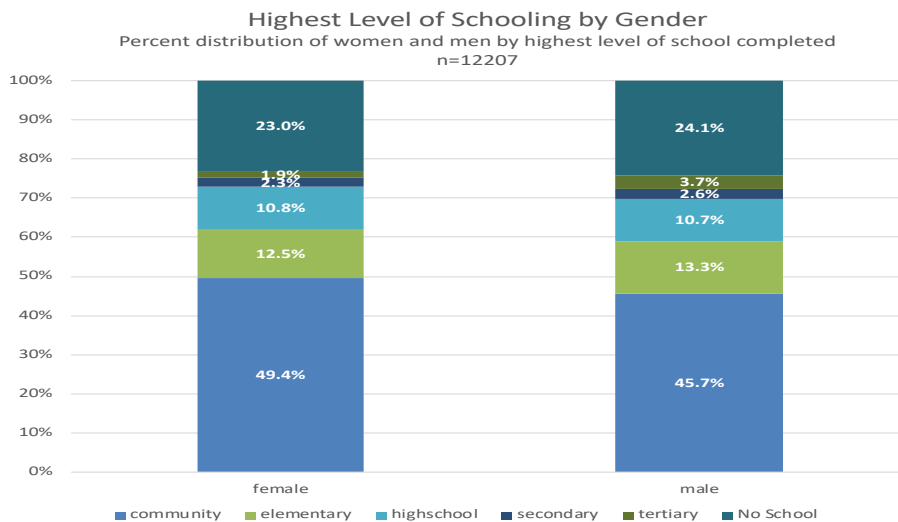
HOUSEHOLD CHARACTERISTICS

Age distribution

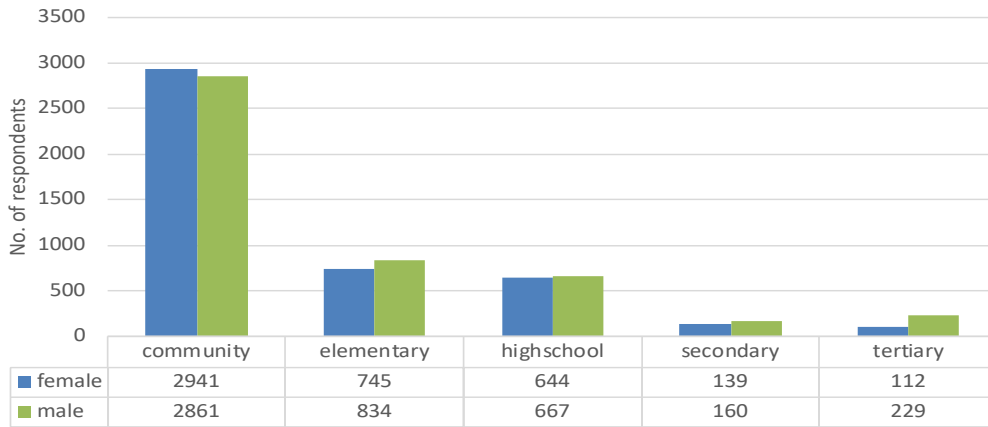


The majority of the people in the households surveyed were under 50 years of age. Few households had people over 60 years of age. The age group of highest frequency was children aged between 5 and 9 years with slightly more boys than girls in that age group.

Level of education

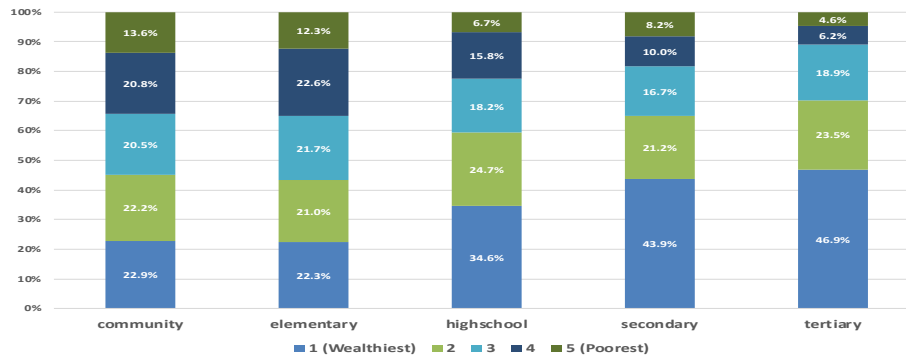


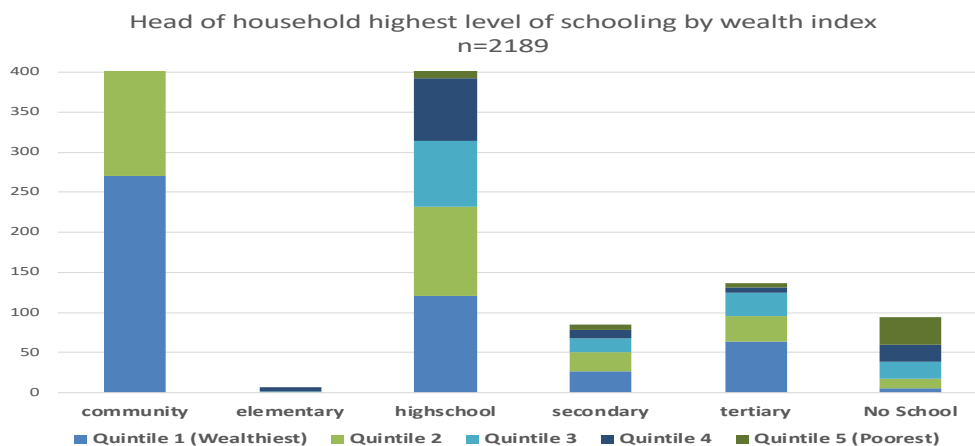
Highest level of schooling completed among respondents 6yrs+
n=9332



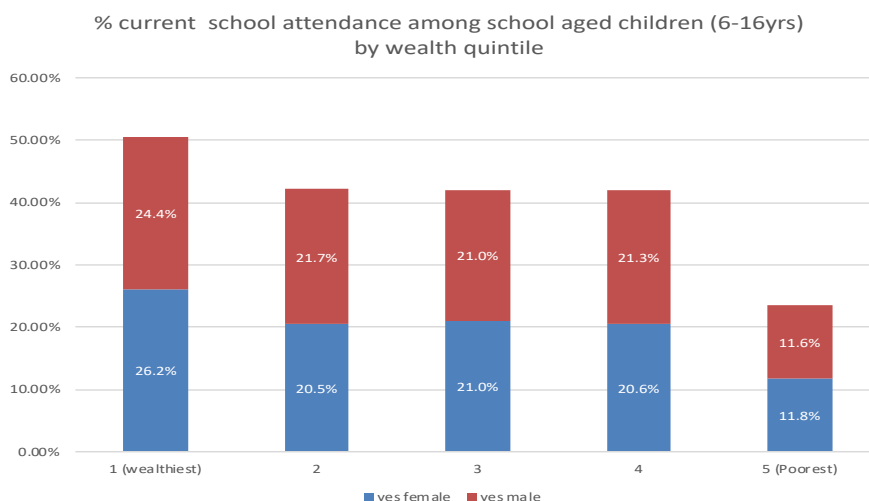
Nearly half of all registered household members attended a community school with slightly more females receiving this level of education. Slightly more males (17%; n=667) than females (15%; n=644) attended high school or above with twice as many males attending a university (3.7%; n=229) than females (1.9%; n=112). A significant group did not receive any education (male 24.1% and females 23%).

Education by wealth quintile
Highest level of schooling among heads of households
n=8630



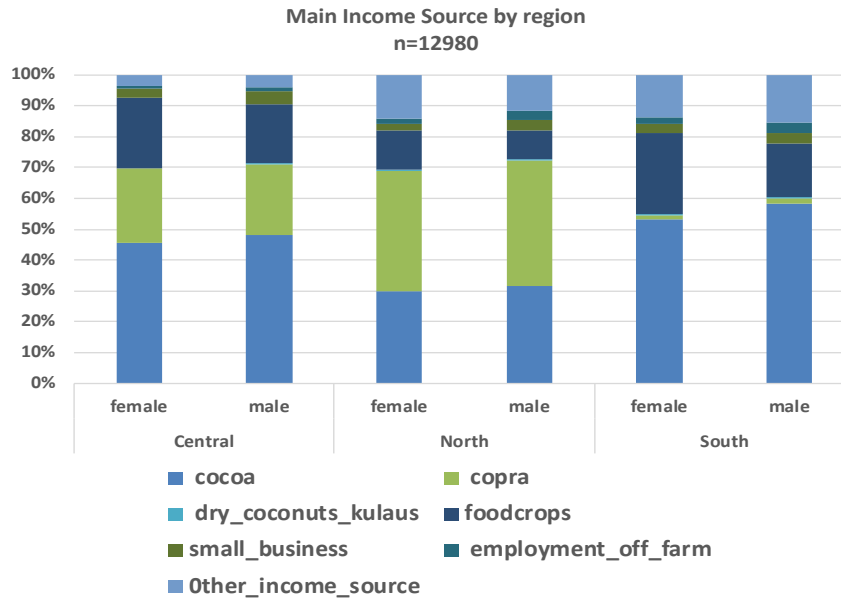


Wealth quintiles measure the wealth in a population and a quintile is 20% of the total population being measured. Each person in the survey population was given a score based on characteristics of their household. The wealthiest 20% are grouped into quintile 1, the second wealthiest into quintile 2, the middle into quintile 3, the second poorest into quintile 4 and the poorest into quintile 5. There are many key determinants of health and social well-being and wealth is one of them. Wealth increased with the level of education. Seventy percent of those with tertiary education were in the two wealthiest quintiles and similarly 65.1 % of those with a high school education were in the two wealthiest quintiles. Those with no schooling had the highest concentration of the poorest households. Those with community and elementary level education represented 34.4% and 34.9 % respectively of the two poorest quintiles.

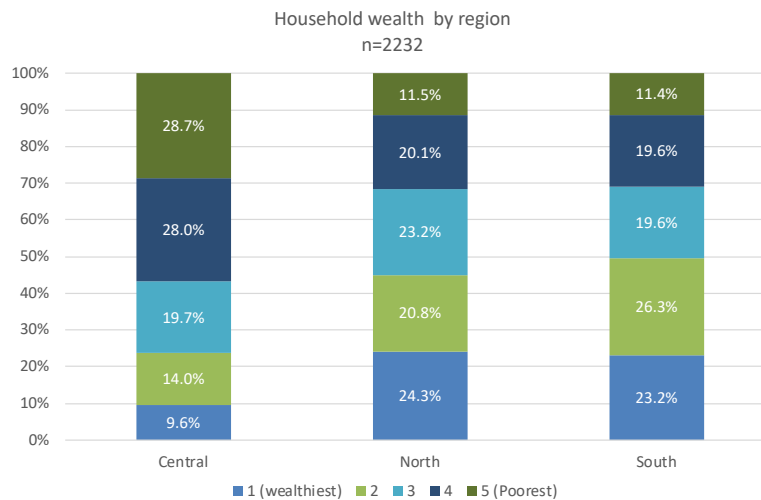


There was little difference between males and females attending school for the age group 6-16 years for all levels of income and wealth but significantly fewer male and female students attended schooling if they were from the poorest quintile compared to the highest quintile.

Source of Income

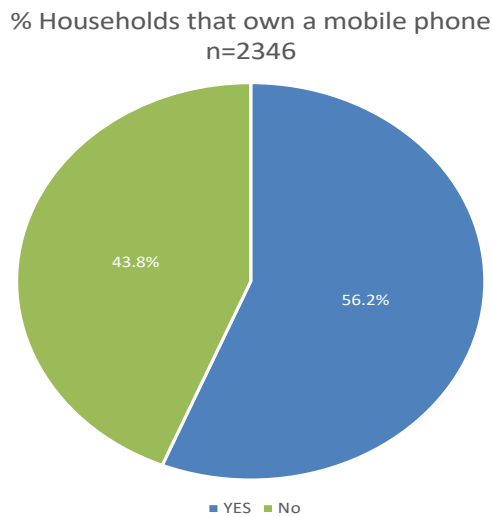
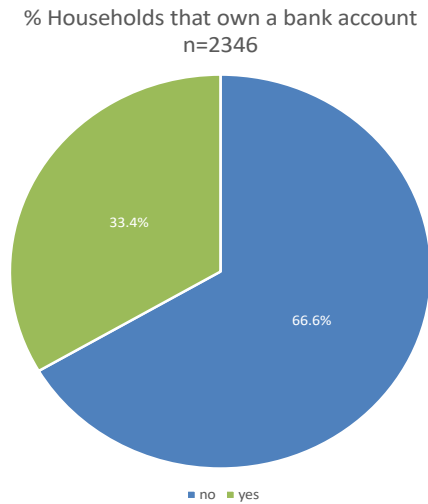


Cocoa was the main source of income for households in the South (over 50%) and in Central Bougainville (45%). The main source of income in the North was copra. There was little difference between the income source for males and females. Slightly more females relied upon food crops for income particularly in Southern and Central Bougainville.



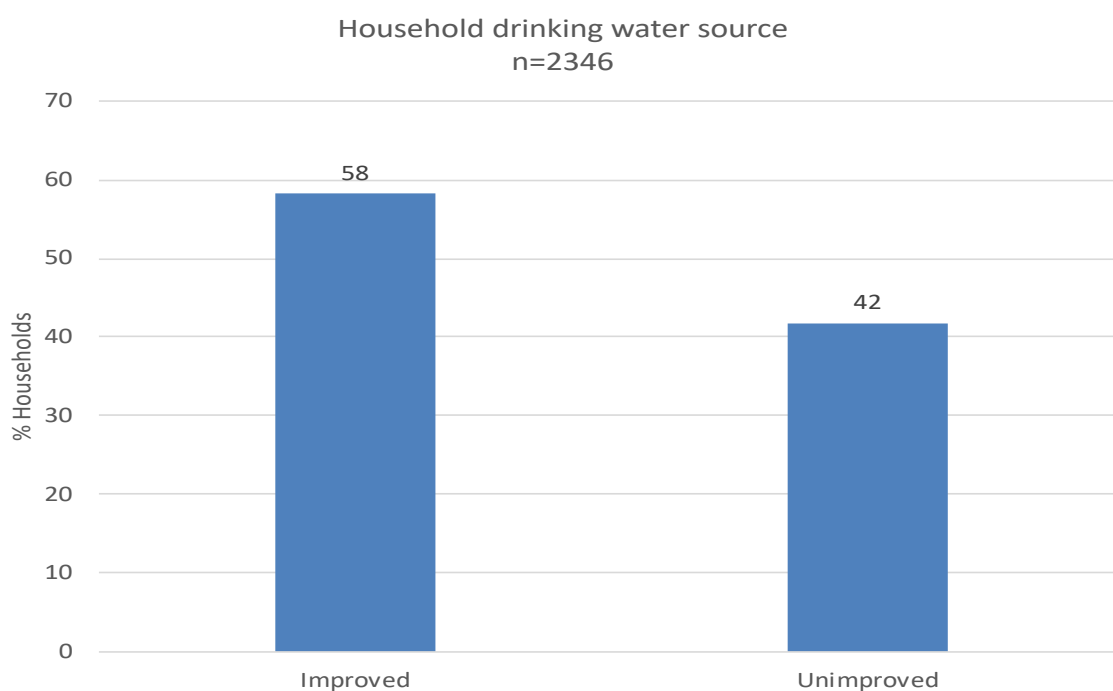
Central Bougainville is the poorest region with twice as many households in the poorest category (28.7%) compared with households in the North (11.5%) and South (11.4%). A significant 56.7% of households in Central Bougainville are in the two poorest categories while 31.5% are in this category in the North and 31% in the South. Central Bougainville (10.1%) has half the number of households on the wealthiest quintile compared to 26.2% in the North and 25.8% in the South.

Bank Accounts and mobile phone ownership



While only one third of the population had a bank account (33.4%) over half owned a mobile phone (56.2%)

Drinking water source

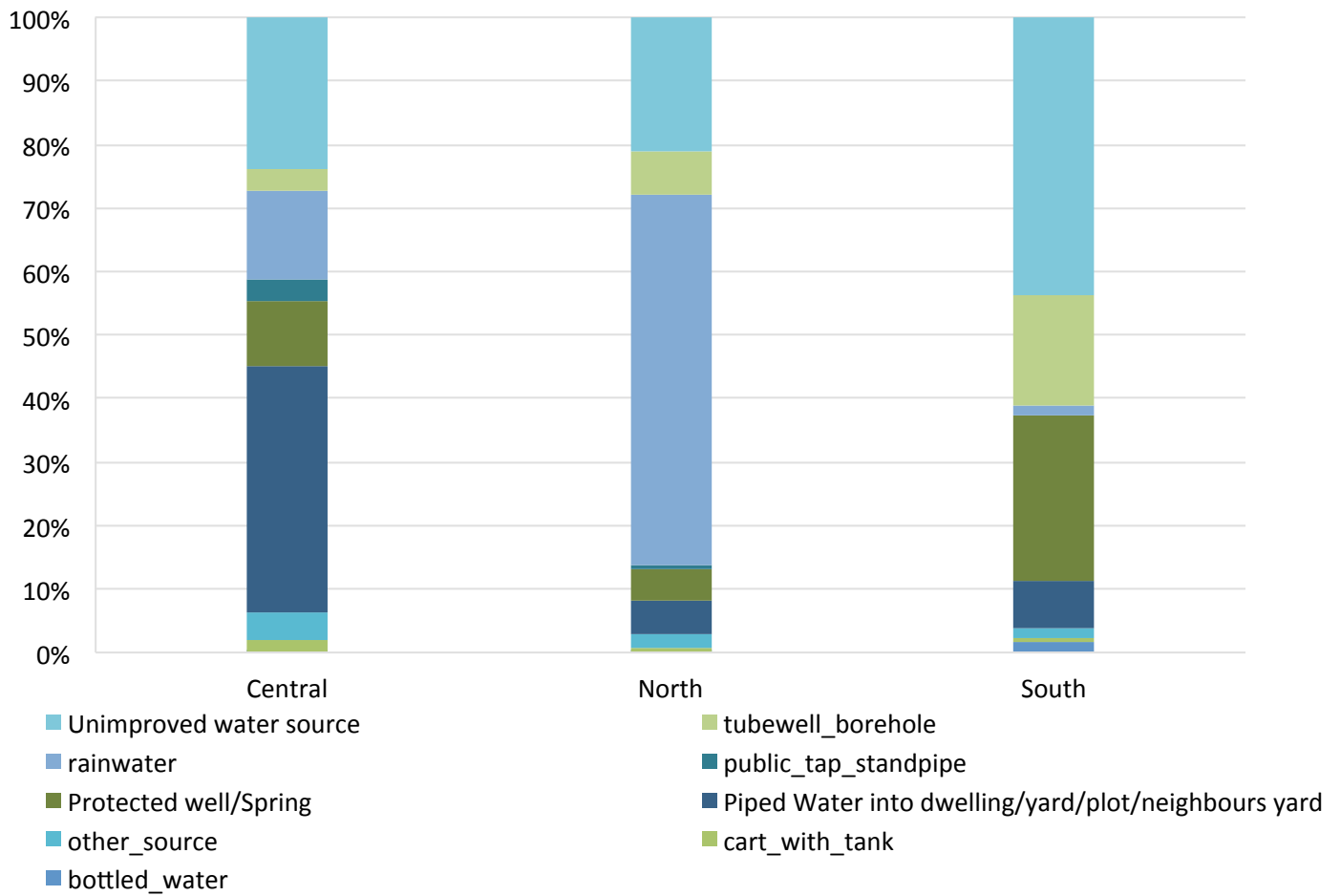


The health effects of unsafe water consumption listed by the World Health Organization includes diarrhoea, cholera, dysentery, typhoid, and polio. “Improved drinking water” is defined by WHO as sources protected from outside contamination, particularly faecal matter. Examples include piped water and protected wells/springs. Unimproved drinking water sources include unprotected wells/springs cart with small tank/drums, tanker trucks, and surface water (river, dam, lake, pond, stream, canal, irrigation channels), bottled water. The 2017 WHO report *Drinking Water and Sanitation and Hygiene*⁵ records that 42% of the population of Papua New Guinea drinks untreated surface water. The results in Bougainville also records that 42% of the surveyed population have unsafe drinking water

Significant regional differences emerge in access to safe water. Only 10.3% of the population in the North where rainwater remains the main drinking source (58.4%) have safe water sources according to WHO definitions. Only one half of Central Bougainville (49.1%) and a third in the South (33.6%) have access to safe water.

⁵ World Health Organization and the United Nations Children’s Fund (2017) Progress on Drinking Water, Sanitation and Hygiene

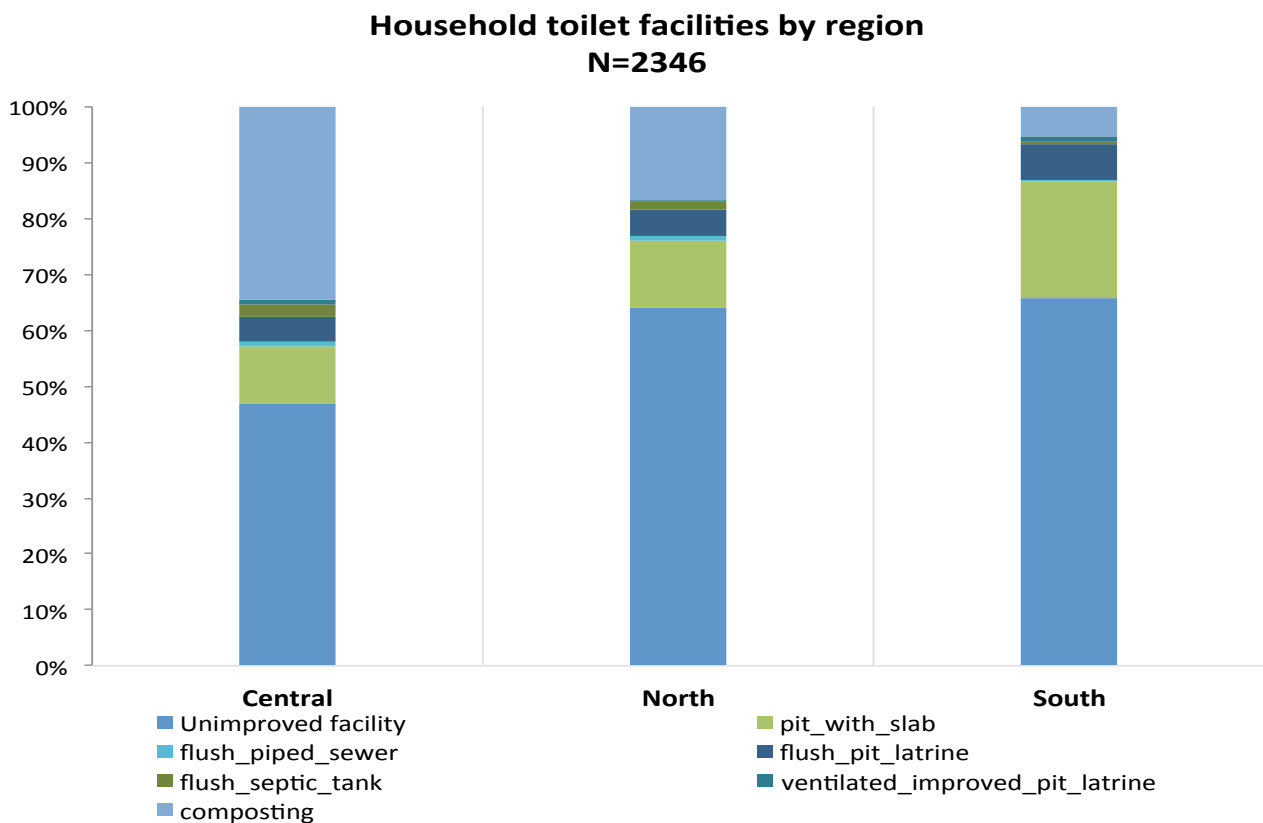
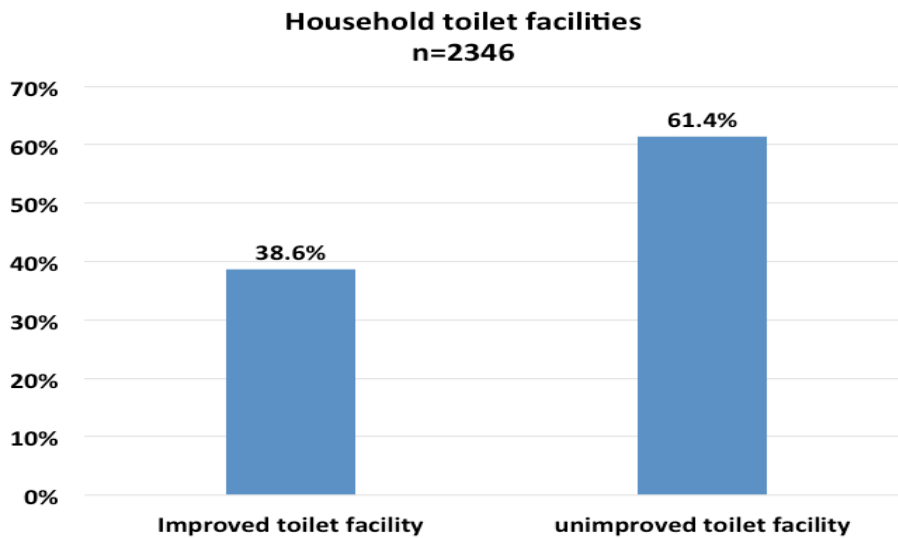
Household drinking water source by region n=2345



Interviewers in South Bougainville crossing rivers to reach remote villages



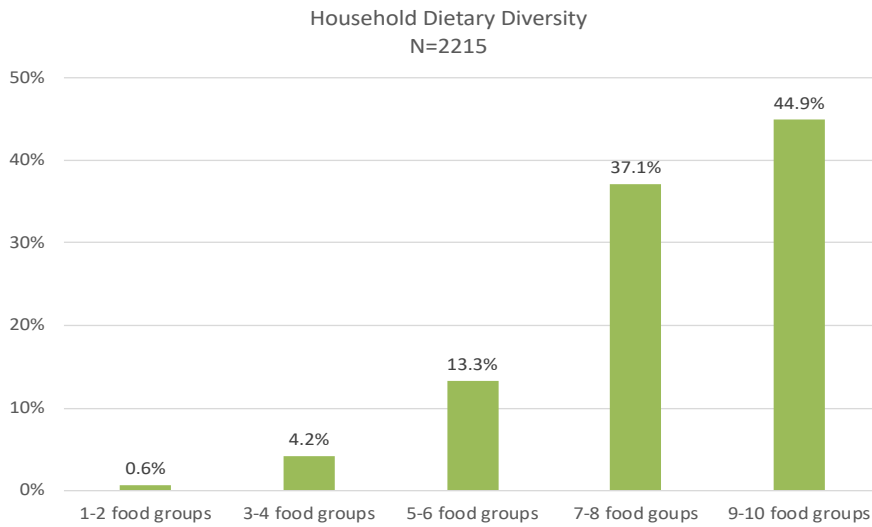
Sanitation



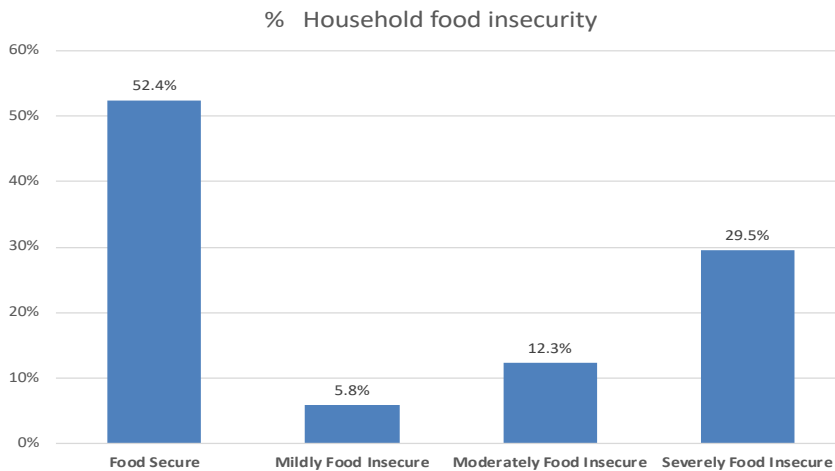
An unimproved toilet facility includes a toilet that is shared by a number of households, flush/pour flush to elsewhere (not a pit, septic tank or sewer), pit latrine without slab or open pit, bucket, hanging toilet or hanging latrine and no facilities or bush or field (open defecation) (WHO & UNICEF, 2010).

More than half the population (61.4%) have unimproved toilet facilities with unimproved toilet facility the most common type of toilet in all regions- South (65.9%; North 64%; Central 46.7%). Composting toilets (34.6%) and flush septic tank facility (2.3%) are more frequent in Central Bougainville compared to the South where only 5.4 % of toilets are composting and 0.4% using flush septic tank.

Diets



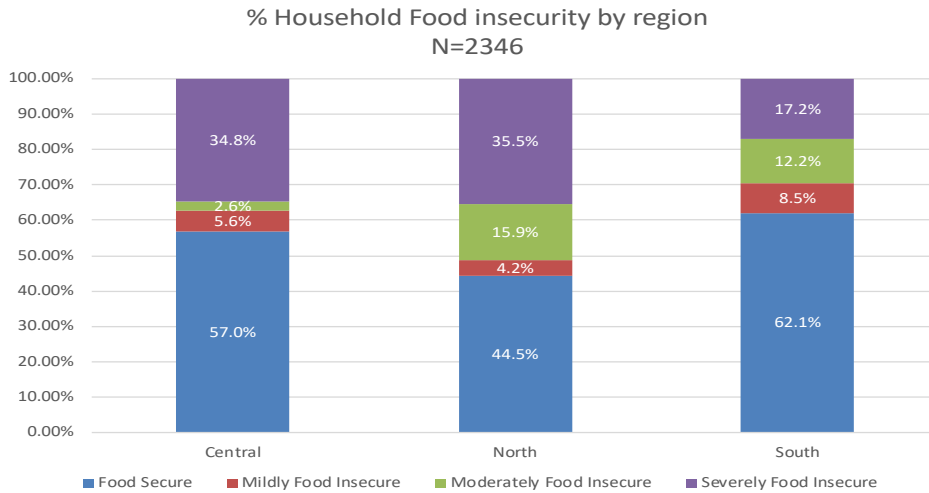
Nearly half the population has a varied diet of more than 9 food groups.



Questions were asked of the households their food intake over the last week. Food insecurity is defined by the Food and Agriculture Organization of the United Nations (FAO) as “*A situation that exists when people lack secure access to sufficient amounts of safe and nutritious food for normal growth and development and an active and healthy life.*”⁶ While just over half the population had food security (52.4%; n=1150) 41.8%

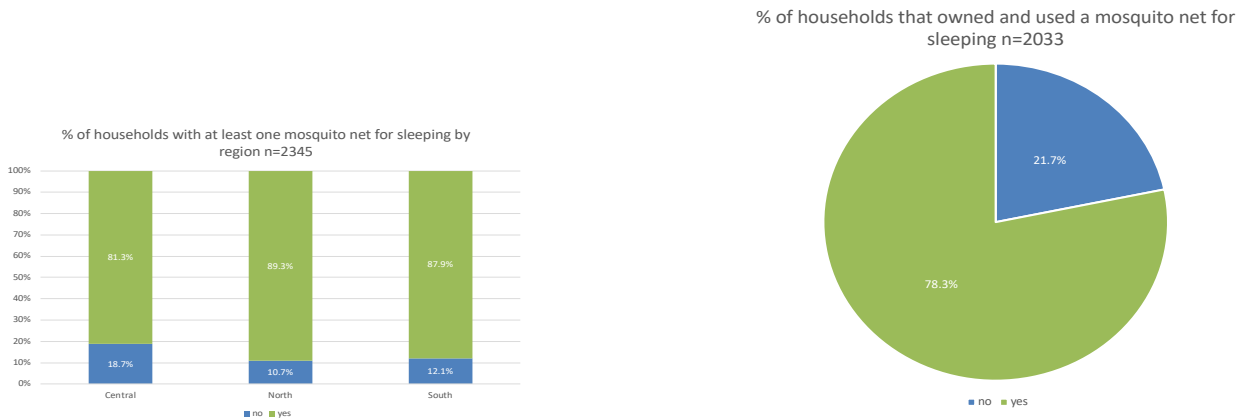
⁶ Toward a Food Insecurity Multidimensional Index. <http://www.fao.org/fileadmin/templates/ERP/uni/FIMI.pdf>

(n=940) had moderate to severe food insecurity.



Nearly 30% (n=671) of the Autonomous Region had severe food insecurity. While just over a quarter of the South (29.4%) had moderate to severe food insecurity over half of the population in the North (51.4%) experienced moderate to severe food insecurity. Over one-third experienced moderate to severe food insecurity in Central Bougainville (37.4%) where most of the surveyed population had either food security (57%) or severe food insecurity (34.8%).

Mosquito nets

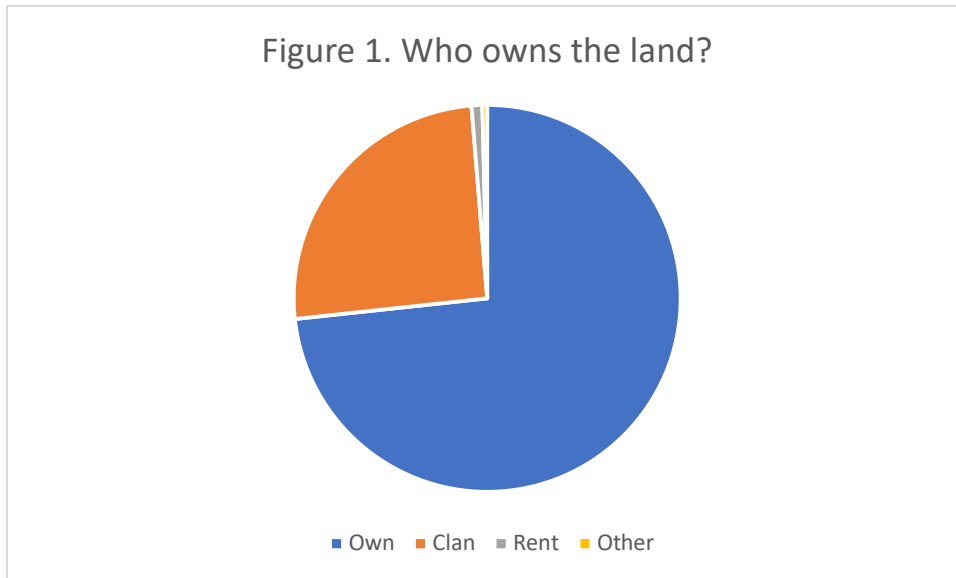


Over 80% of the population in the regions owned a mosquito net with Central owning slightly less than the other two regions. But only 78.3% of the population with nets actually used them for sleeping.

COCOA FARMING

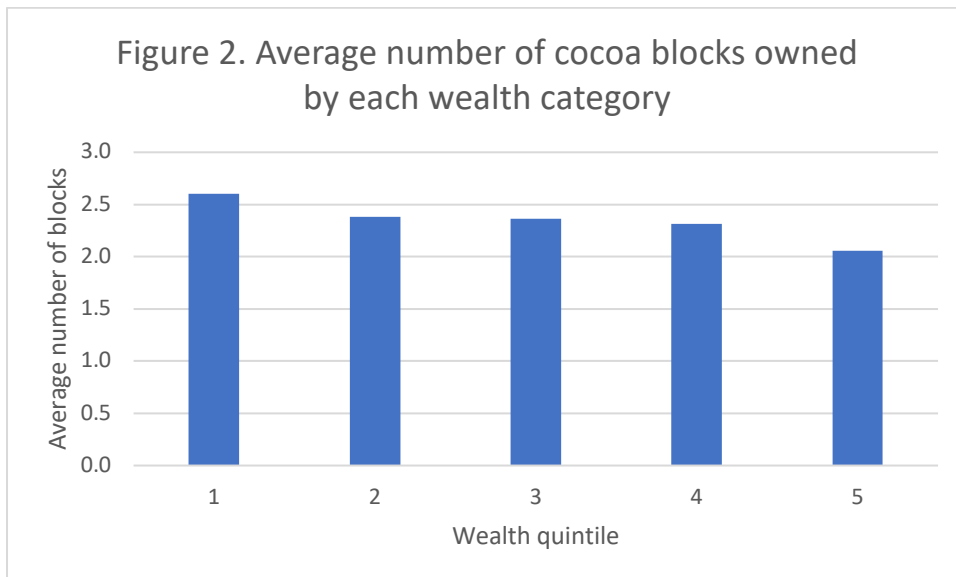
Farming data

Land ownership



Of the cocoa farmers surveyed (n=3,495) the majority own their land, while a significant proportion farm clan land (Figure 1). Fifty-five percent of farmers are male while 45% are female.

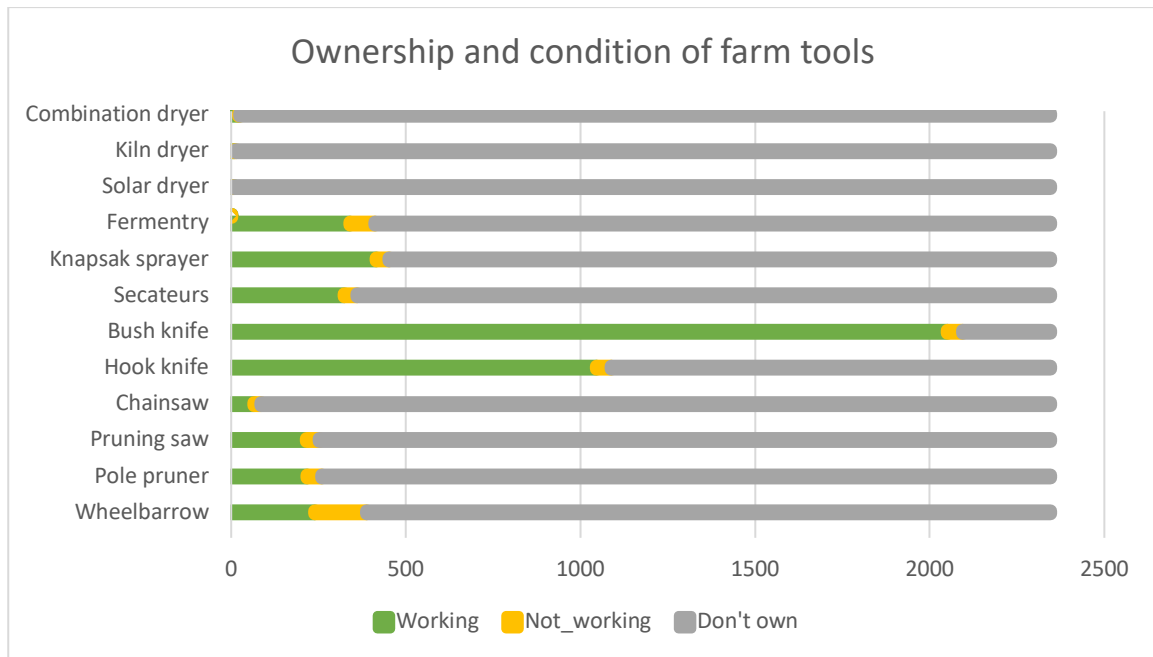
Number of blocks



Quintile 1-wealthiest; quintile 5-poorest.

Cocoa farmers own up to 9 separate blocks of cocoa although most own between 2 and 3 blocks. A consistent trend appears to link wealth with the number of cocoa blocks farmed (Figure 2). The wealthiest 20% of farmers own 2.5 blocks on average compared to the poorest 20% who own 2.0 blocks.

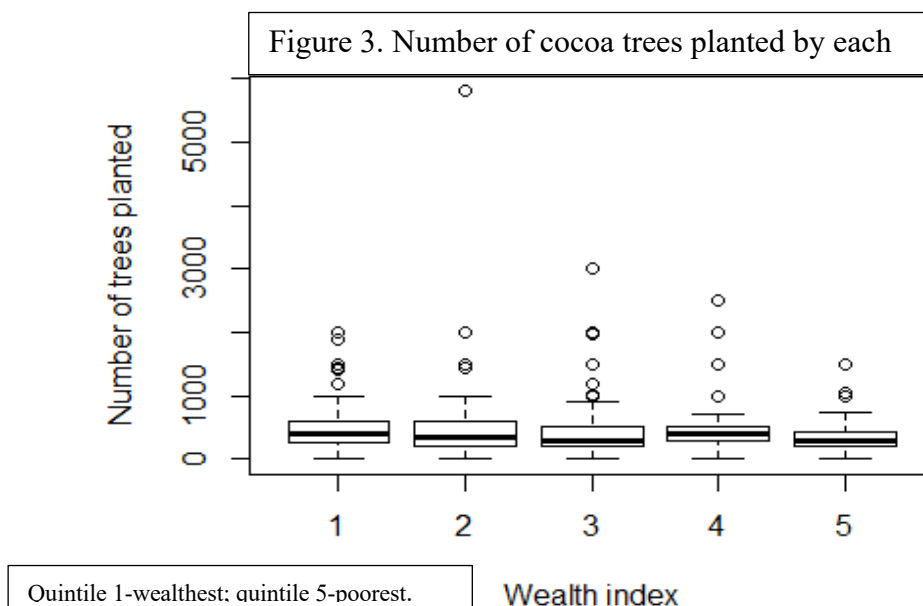
Farming tools



The most common tools owned by farmers were bush knives and hook knives, with fewer farmers owning functional wheelbarrows, pruning equipment or knapsack sprayers. While 18% owned a functioning fermentary very few owned a dryer of any sort.

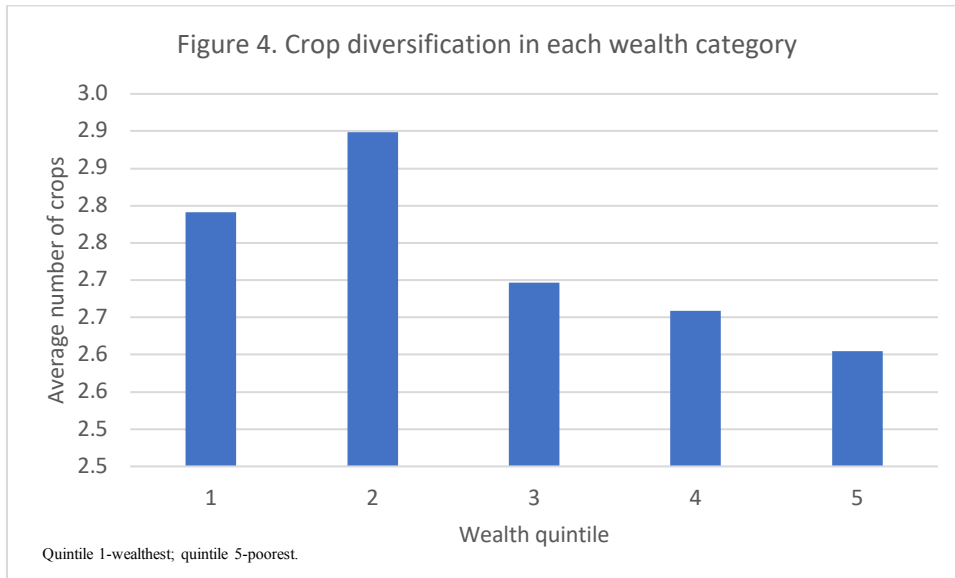
These data suggest that farmers share fermentaries and rely on sun drying, which while producing high quality beans if done correctly, can be difficult during wet weather. We will be examining correlations between ownership of well-maintained tools and farmer wealth.

Number of trees



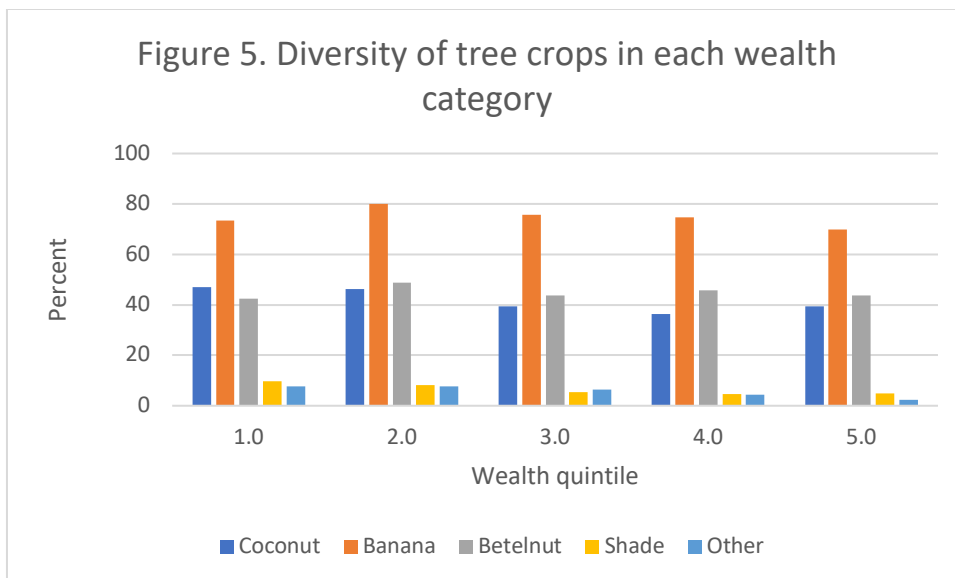
There is only a weak correlation between the number of trees owned and wealth, although this may be obscured by the outlying data. Farm size does not appear to determine wealth from cocoa farming.

Average number of crops/farm



Farmers typically grow on average 2.7 other crops in addition to cocoa. Wealthier farmers tend to grow more crops than poorer farmers

Crops in each quintile



Quintile 1-wealthiest; quintile 5-poorest

There don't appear to be any trends linking wealth to any particular supplementary crop (Figure 5). This suggests that these crops are not sold for income.

Livestock

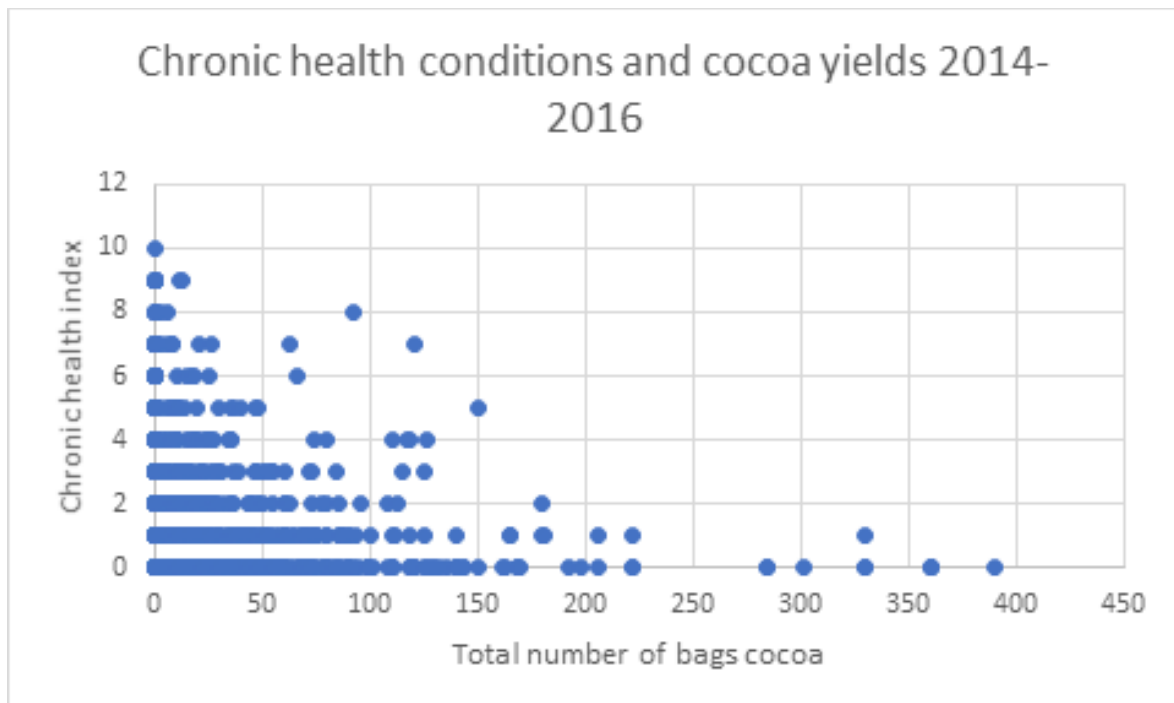


Quintile 1-wealthiest; quintile 5-poorest

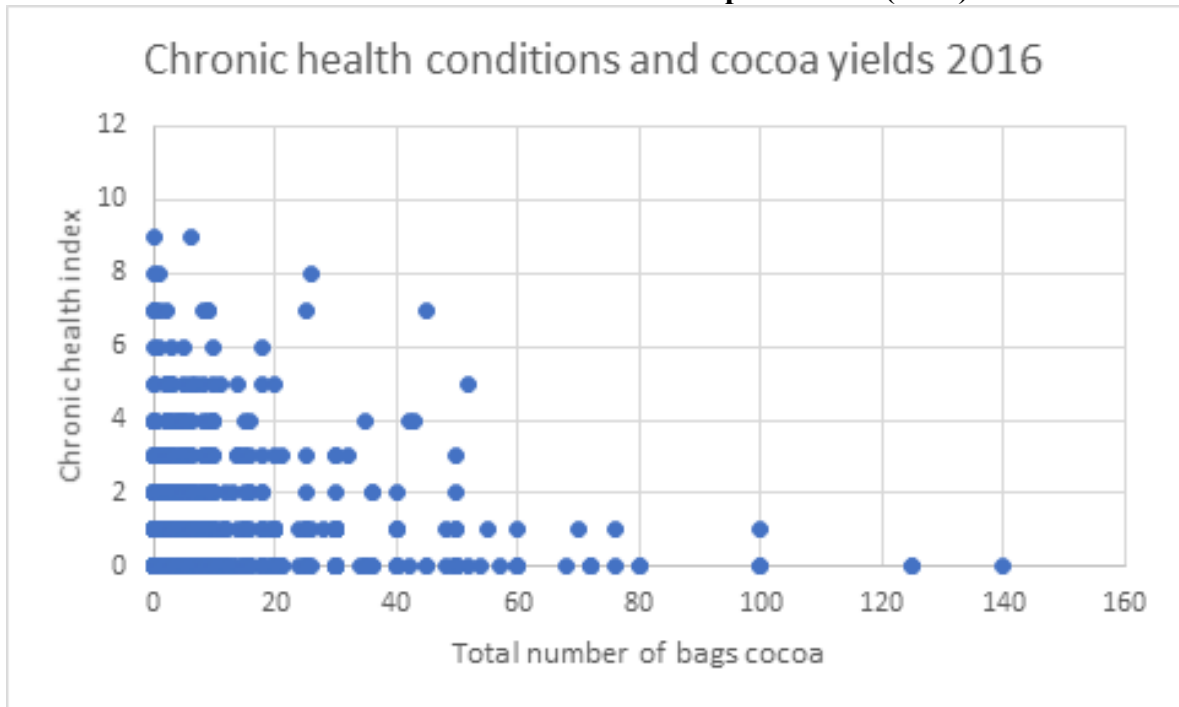
A clear trend is visible between livestock ownership and wealth. More wealthy farmers own pigs and chickens than poor farmers.

Farmer health and productivity

Chronic health conditions and cocoa production (2014-2016)



Chronic health conditions and cocoa production (2016)



Farmer health was categorised using a scoring system that accumulated points for chronic health problems. Therefore, a score of 0 means no chronic health issues while 10 represents a number of health problems.

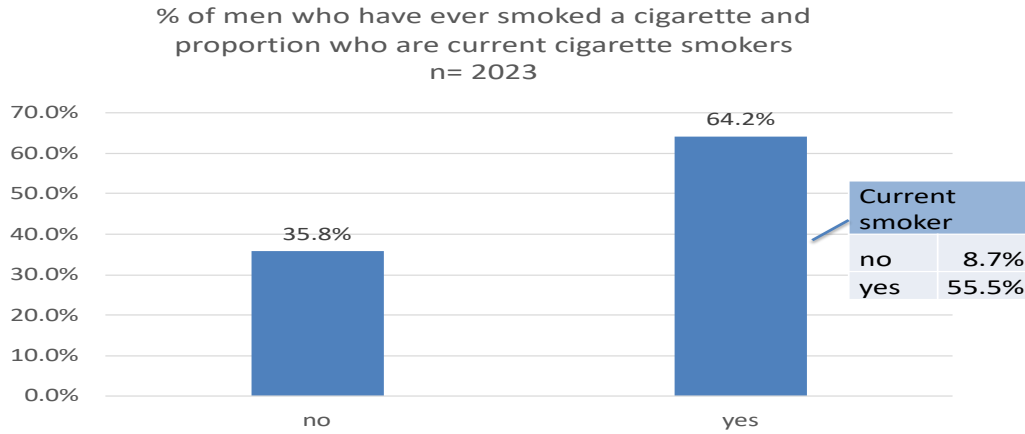
The data above show clear links between good health scores and production – independent of all other biological geographic and socioeconomic factors, healthy farmers produce more cocoa beans. This interpretation is supported by data linking physical limitations to work with lower production.

Working with the farmers

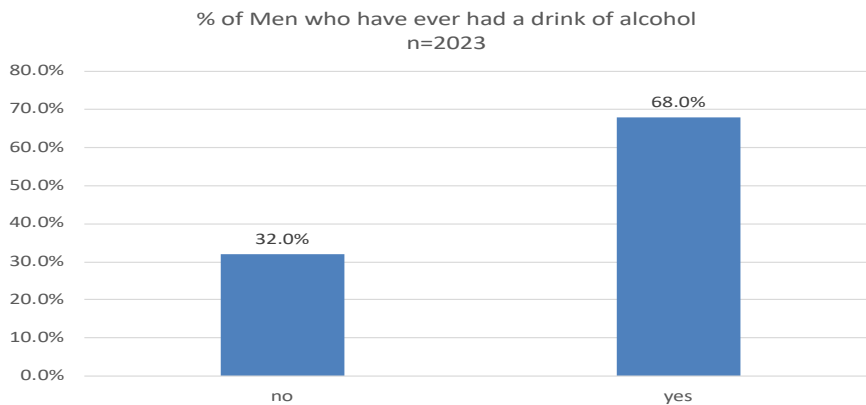


MEN'S HEALTH

Smoking and alcohol consumption



The Tobacco Atlas⁷ reports that 43.63% of males in Papua New Guinea smoke tobacco daily. The percentage of males smoking tobacco in Bougainville exceeds the PNG rate with over half of the male population surveyed saying they currently smoked.



More than half the male population have tried alcohol.

⁷ The Tobacco Atlas (2015) <https://s27854.pcdn.co/wp-content/uploads/pdf/papua-new-guinea-country-facts.pdf>

Buai



A significant proportion of the male population chew Buai. A WHO⁸ report says betel nut chewing has been classified as a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Cancer Research (IARC) because chewing induces oral precancerous lesions that may progress. Combining the use of betel nut with tobacco significantly increases the risk of premature illness and death. Betel nut chewing can also cause gum irritation and tooth decay. While betel nut is an important cultural and social tradition in many countries, growing evidence points to serious health effects from regular use.

Domestic Violence

Both men and women were asked a question about domestic violence. Fifty-two percent of men (n=1059) believed that it was okay for a partner to hit or beat their wife in one or more situations (goes out without telling; neglects the children; refuses to have sex; burns the food.)

⁸ Review of Areca (Betel) Nut and Tobacco Use in the Pacific A Technical Report

Chronic conditions

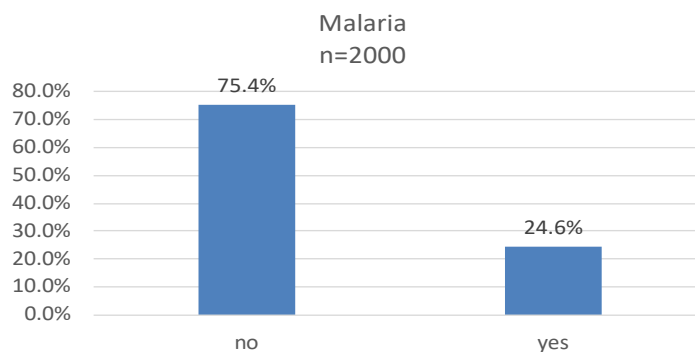
Diagnosed chronic disease and treatment among men N=2023

Chronic Disease	Ever diagnosed	Treated	Not treated
Arthritis	651	309	342
Angina	391	221	170
Asthma	125	89	36
Depression	99	35	64
Mental Health	30	18	12
Diabetes	85	36 *** (treatment diabetes =taken insulin or following diet program)	45

The above table shows the main chronic conditions suffered by men. While a diagnosis has been made there is a significant proportion of males who are not receiving treatment for their condition.

Malaria

Malaria Proportion of men who had been in hospital to be treated for Malaria in the last 6 months?



A quarter of the male population (24.6%; n=500) had been treated for malaria in hospital in the previous 6 months.

Tuberculosis

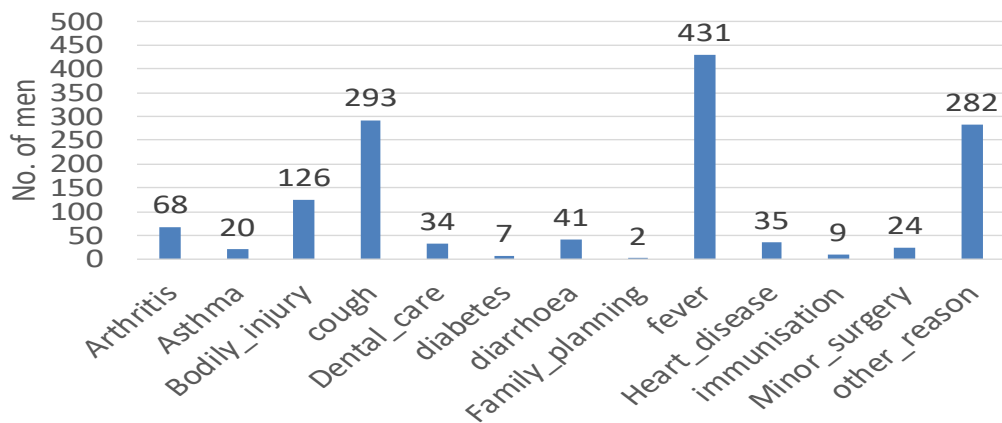
Tuberculosis symptoms and treatment

Symptom	Yes	No	No. of respondents
Cough 3 weeks or longer	294	1729	n=2023
coughed blood	34	260	n=294
tested for Tb	40	245	n=285

Only 12 percent of those with a cough longer three weeks or longer and /or coughing blood had a TB test.

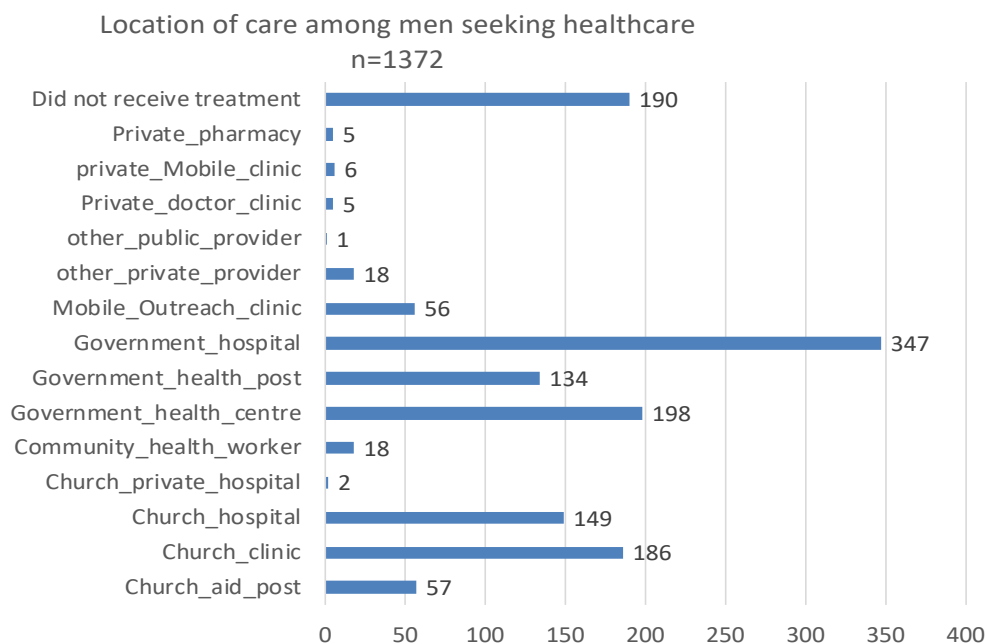
Main reason for health care

Main for for seeking healthcare among male respondents
n=1372



Fever and cough were the two main reasons for seeking health care for males. These are symptoms associated with Tuberculosis which is a major cause of deaths in the Autonomous Region of Bougainville (Secretary of Health Clement Totavun-2016).

Location of health care



About one quarter of all males (25.3%; n=347) interviewed had treatment in a government hospital with 14.4% (198) receiving treatment at a government health centre. A total of 190 (13.8%) male respondents said they received no treatment.

Team meeting with the partners in Arawa



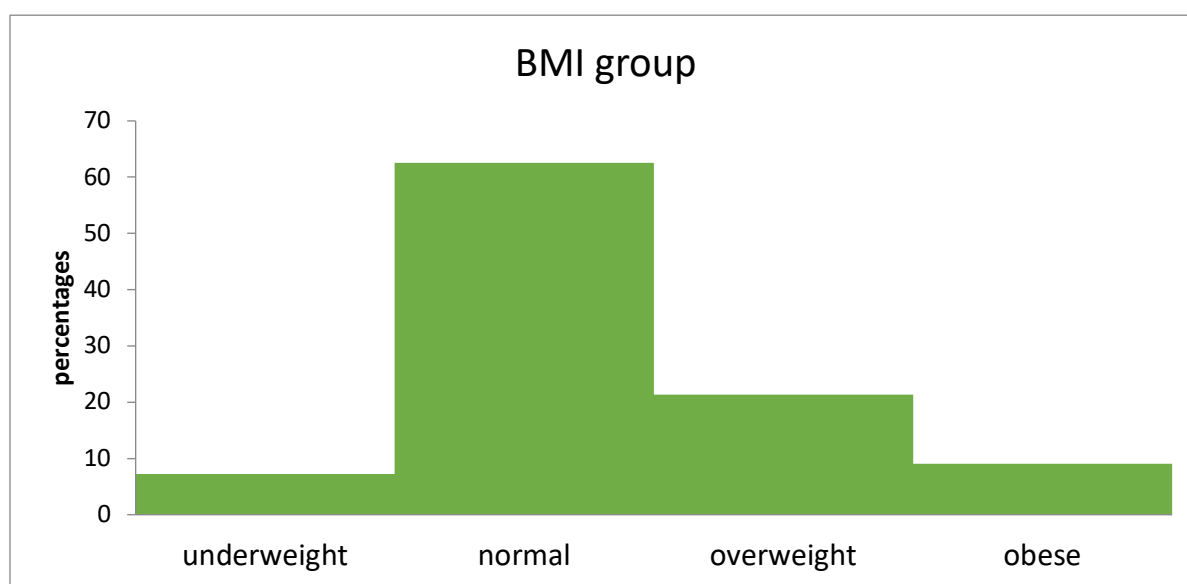
WOMEN'S HEALTH

The Livelihood survey interviewed women 1961 women aged 15 to 49 years. The key areas of health explored in this report include:

- General health and anthropometrics
- Chronic disease including arthritis, backpain, smoking, Buai use
- Acute symptoms- cough, fever
- Access to health care
- Reproductive history
- Antenatal care and Pregnancy planning
- Access to contraception

General health

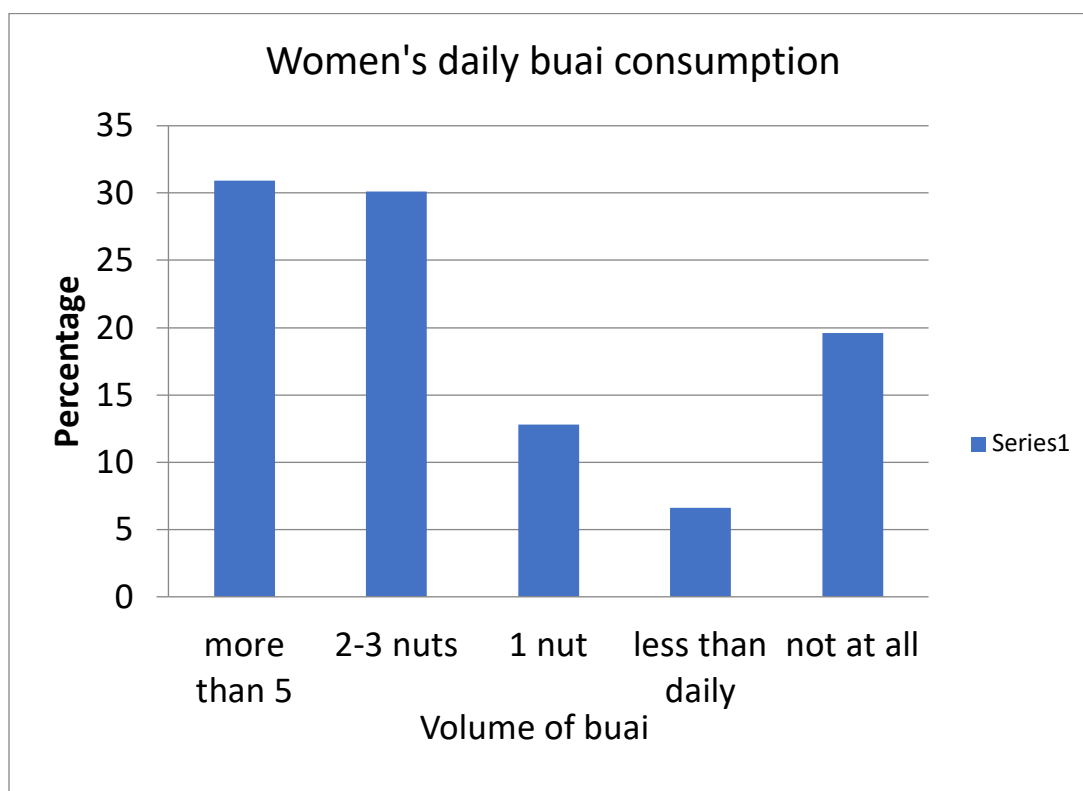
Women were weighed and measured to determine their body mass index. Data were available on 1770 (90%) of women. Of these 127 (7%) were underweight, 1107 (62%) were normal weight, 21% were overweight and 9% obese. Thus, there was both malnutrition and obesity evident in the sample.



Chronic diseases

Women were asked about a range of chronic diseases including back pain in the last month. This was a common symptom close to half of the sample (1121; 43%) reporting pain. For many women, the pain had been present for more than two months. Very few (86, 4%) of the women reported having had cervical cancer screening and 1361 (69%) had never had a pelvic examination.

Over one quarter of women had ever smoked (n=564; 29%) and of those two thirds were still current smokers. Four fifths of women (n=1577; 80%) were users of Buai, with most consuming either 2-3 nuts or over 5 nuts per day. Over half (n=1035; 53%) of women had starting using Buai between the ages of 11 and 20.



Acute symptoms

The presence of a cough that persisted beyond 3 weeks was reported by 215 (10.9%) women. A proportion of these had blood in their sputum (n=33; 15%). The same proportion (n=33; 15%) of those who reported cough had been tested for TB. Around 14% (n=280) of women had been treated for Malaria in the last six months.

Access to health care

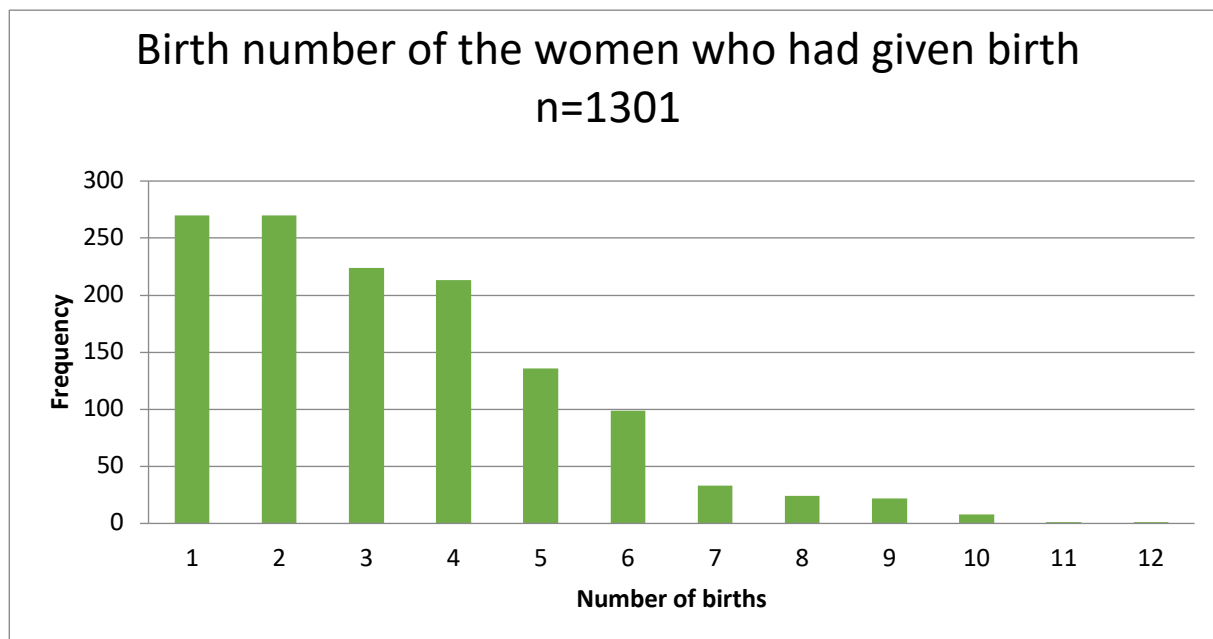
Over half of women (52%; n=1030) had needed access to health care in the last 12 months and the key reasons were for fever (n=392) and cough (n=300). A third of women went to a government health centre (21%; n=430) followed by a government hospital by 14% (n=277) which they reached by walking is 55% (n=1094) of cases. Nurses were the most frequent type of providers consulted.

Domestic Violence

Women were also asked about domestic violence, and many believed that it was okay for a partner to hit or beat their wife in a range of situations. Of the statements provided 46% (n=907) said it was Ok if a partner went out without telling their spouse and 25% (497) said it was ok if the woman refused sex. Only a third believed that domestic violence was not justifiable in any circumstances (38%; n=748).

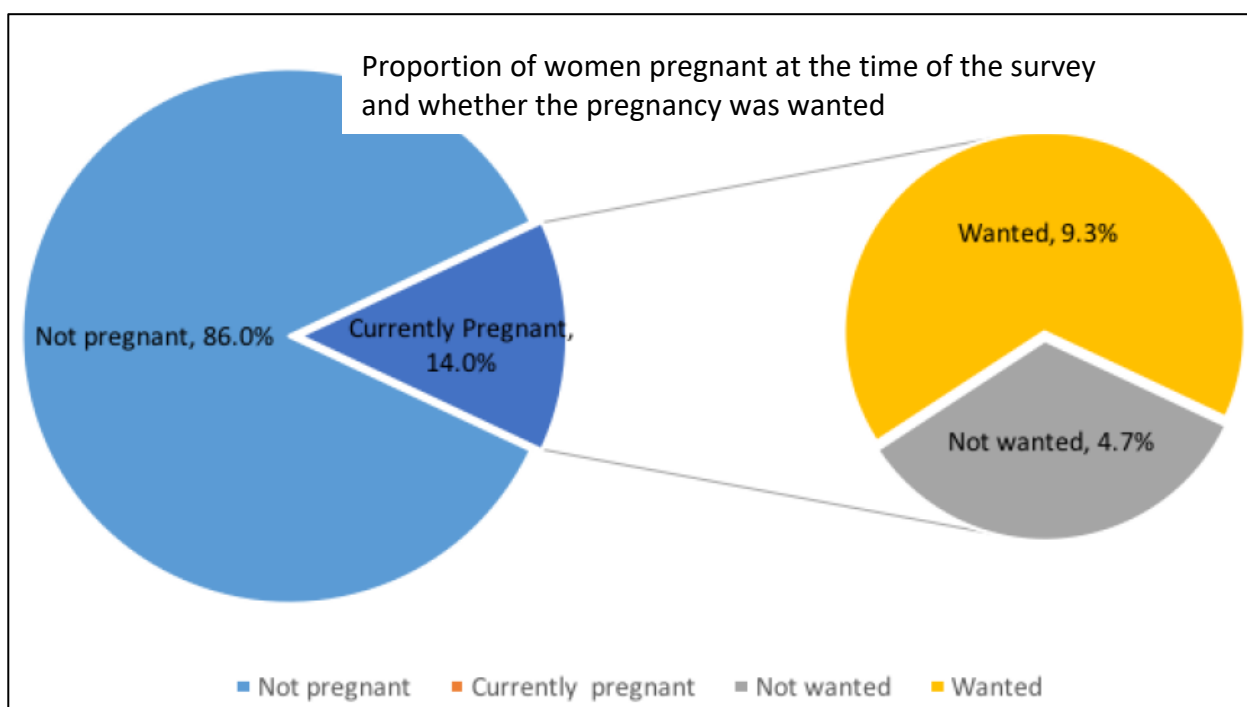
Reproductive History

Two thirds (n=1301; 67%) of the women interviewed had ever give birth. The mean number of children per woman who had given birth was 3 (range 1-12).



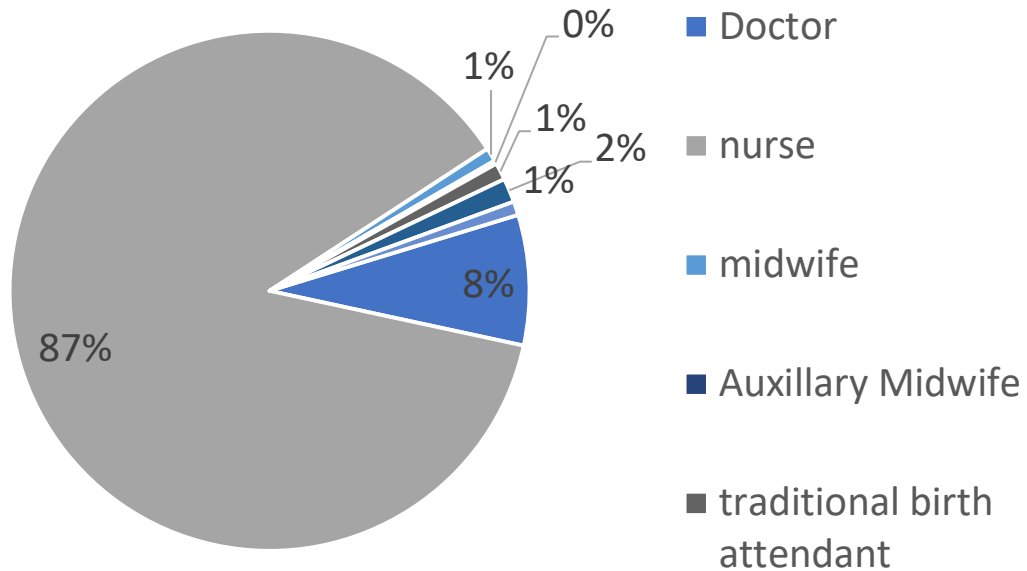
Antenatal care and pregnancy planning

Of the 1961 women, 516 (20%) women reported a pregnancy in the last two years. Of these 14% (n=72) were currently pregnancy with around 33% (n=170) of these were unwanted.



Most women had received antenatal care 87% (448) and most women had a nurse as their antenatal care provider.

Antenatal care provider
(Women with birth in last 2 years)
n=448



Most did not present for antenatal care until after the first trimester for pregnancy care. Some of the basics of antenatal care were well covered while others were not. Most women (79%; n=405) reported that their blood pressure was measured in pregnancy, but fewer reported that they had had a blood sample taken (56%; n=289) or their urine checked. Around half of women reported that they had been tested for HIV in pregnancy (51%; n=263). A minority of women (6.9%; n=36) reported that they had none of these investigations performed. Over a half (58%; n=299) of births took place in a government hospital or government but almost a quarter (23%; n=119) reported a home birth.

Family planning

Only 208 of the women (11%) had ever used family planning. Around 14% of women were currently pregnant (n=279). Of the non-pregnant women (n=1682), just over a third (n=632; 38%) were using a family planning method. A variety of reasons were put forward for not using family planning including poor access, not being married, concern over side effects and cost. One quarter of women described their last pregnancy as unwanted suggesting a significant unmet need for contraception.

Child health

The Livelihood survey interviewed the caregiver of 1188 children under the age of 5. Key areas of health explored in the child under 5 survey included:

- Birth Registration
- Breastfeeding and Infant and young child feeding practices (IYCF)
- Vaccination coverage
- Child Illness
- Healthcare seeking behaviour and access
- Child Nutrition Status

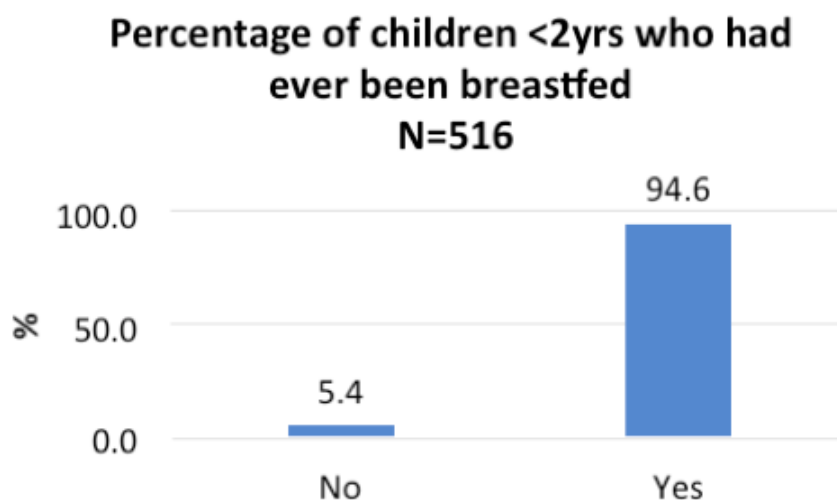
Birth Registration

A birth certificate is a basic legal document that gives identity to a child and automatically provides a number of rights. Without a birth certificate, children may be excluded from education as well as health and social services. Birth registration is also an important process for governments, to develop services and structures that meet the needs and size of their populations.

Among the children aged 5 and under in the survey, 707 (60%) reported to have a registered birth certificate. In most cases (437) where a child did not have a birth certificate, the caregiver did not know how to register the child.

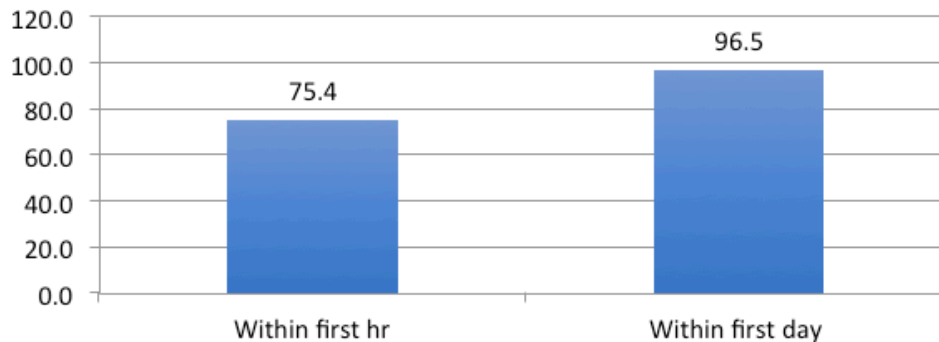
Breastfeeding and Infant and young child feeding practices (IYCF)

Breastfeeding provides many health benefits for both the mother and child. Breastmilk contains all the nutrients a baby needs for the first 6 months of life and helps to protect against common childhood illnesses and chronic diseases later in life. Amongst last born children under 2 years of age surveyed, (94.6%) had ever been breastfed. Among those no longer breastfeeding at the time of interview, main reasons for stopping included; insufficient milk supply, advised by others to do so, child had started to eat solids and mother was pregnant again. The decision to stop was influenced mostly by the mothers themselves or maternal grandmothers.



Early Initiation of breastfeeding

Percentage of children <2yrs who started breastfeeding within one hour and one day of birth
n=488



Giving a baby breastmilk within the first hour after birth is termed *early initiation of breastfeeding*. Early initiation of breastfeeding ensures the baby receives the colostrum “first milk” which is an important source of nutrition and immune protection for the baby. It also helps to stimulate milk production, provides health benefits to the mother and determines the successful establishment and longer duration of breastfeeding.⁹ Almost all (96.5%) last born children under 2 years, were reported to have received breastmilk within the first day after birth and three quarters (368) within the first hour after birth.

Vaccination Status

Information on vaccination coverage was obtained by recording information directly from vaccination cards provided by households. For households where a card was not available, vaccinations were recorded from mother’s recall. 56% (660) of households had a vaccination card at the time of interview. A further 30% (360) reported having a card but was not seen at the time of interview and 14% (168) reported no vaccination card. Almost one quarter (45) of children 12-23 months had never had a vaccination.

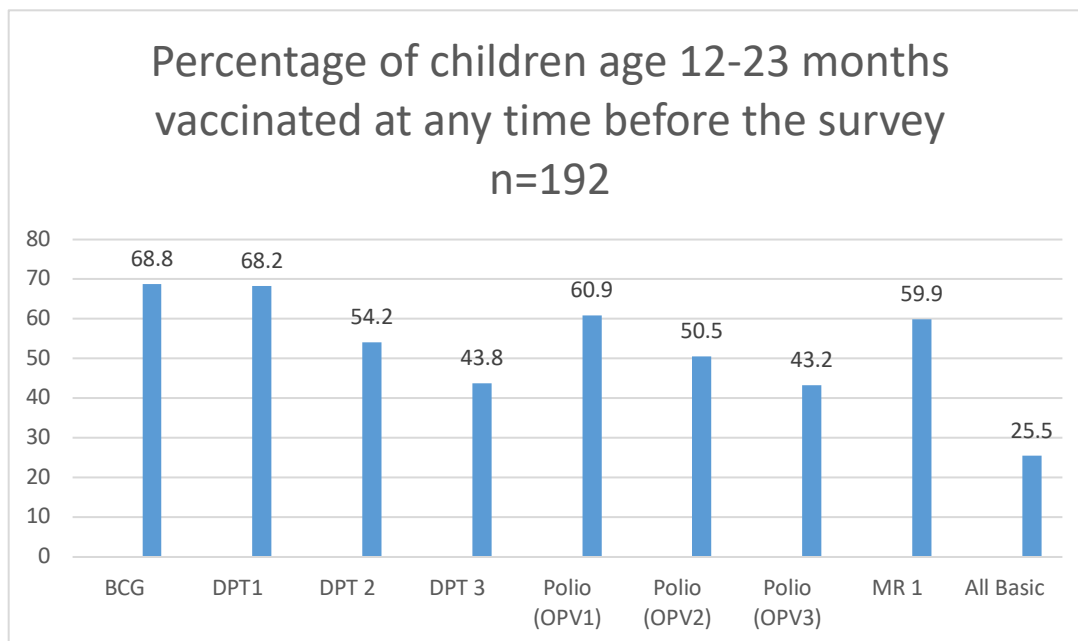
Two thirds of children 12-23 months had received 1 dose of BCG, DPT, OPV and MR with only 25.5% having received all basic vaccinations.¹⁰

All basic vaccinations for children 12-23 months:

- 1 dose of BCG (Tuberculosis)
- 3 doses of DPT (Diphtheria, Whooping Cough, Tetanus)
- 3 doses of OPV (Polio)
- 1 dose of MR (Measles)

⁹ World Health Organization. 2018. *Early initiation of breastfeeding to promote exclusive breastfeeding*. [ONLINE] Available at: http://www.who.int/elena/titles/early_breastfeeding/en/. [Accessed 10 September 2018].

¹⁰ WHO. WHO vaccine preventable diseases: monitoring system: 2001 global summary. Geneva: World Health Organization (WHO/V&B/01.34); 2001.

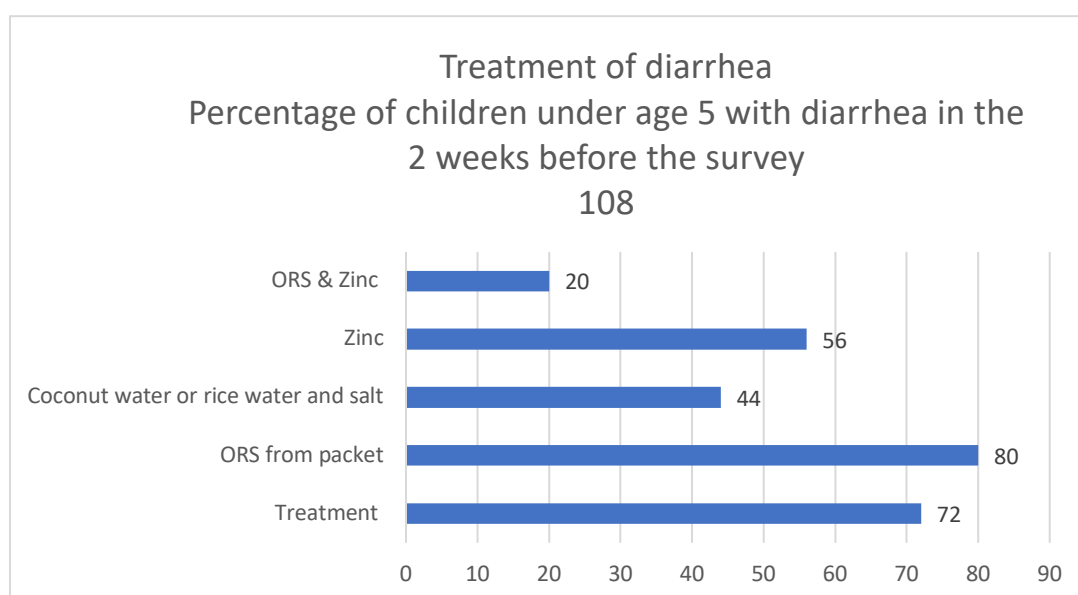


Child Illness

Diarrhoeal disease

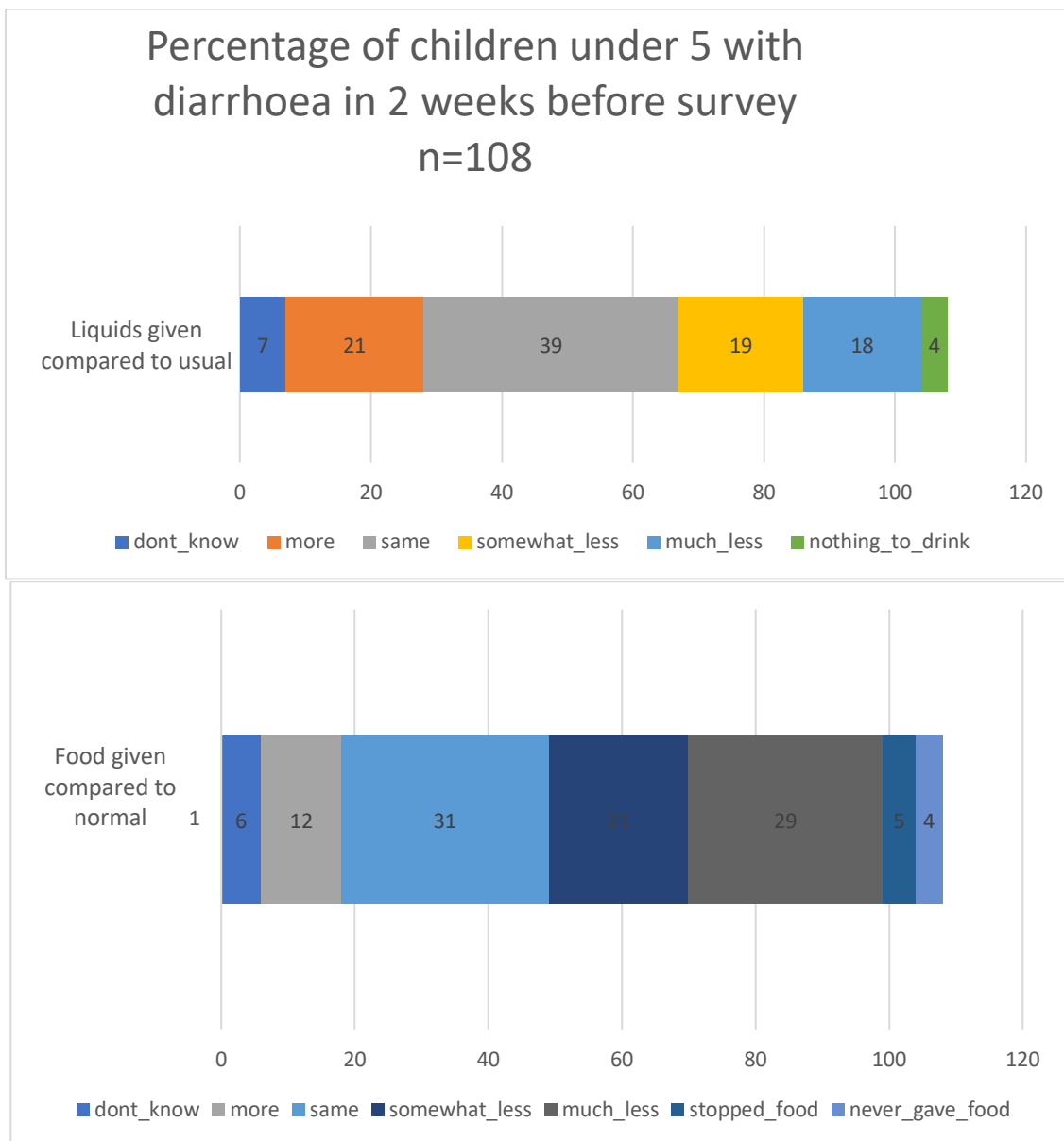
Nine percent (108) of children under 5 years of age reported having diarrhoea in the 2 weeks prior to the survey. Over half (72) of these cases sought treatment for the diarrhoea. The main facilities where treatment and advice were sought included Government hospitals (19), Government Health Centres (11) and Church Hospitals (10).

Three quarters of children were given packet ORS (oral rehydration salts) solution and a further 40% used a local home fluid solution of coconut water and salt. Eighteen percent were given both ORS and zinc to help reduce the duration and severity of the diarrhoea.



The biggest threat posed by diarrhoea is dehydration. During an episode of diarrhoea, the body loses water and electrolytes and dehydration occurs when these are not replaced. The recommended response for children is to increase fluid intake and maintain regular feeding practices.

Twenty percent (21) of children with diarrhea in the 2 weeks before the survey were given increased fluids, the recommended response to an episode of diarrhea. Fifty-four percent of children under the age of 5 with diarrhoea in the 2 weeks prior to the survey were given less than their usual amount to eat.

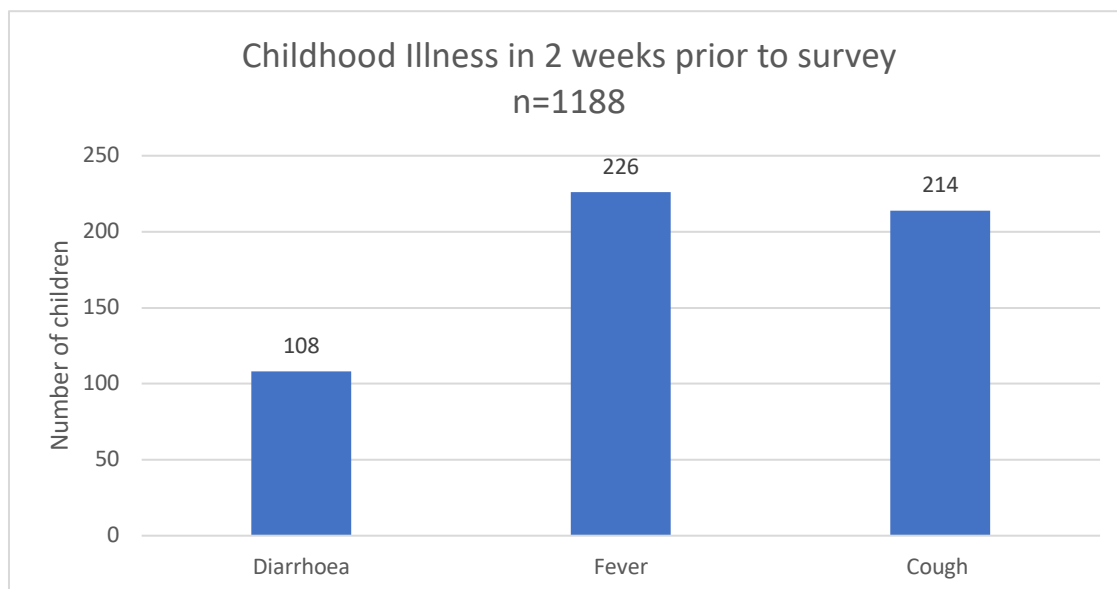


Acute Respiratory Illness

Eighteen percent (214) of children under the age of 5 were reported to have an illness with cough in the 2 weeks before the survey. A further 48 children had difficulty breathing and faster breaths associated with the cough. A third of the children with reported acute respiratory symptoms sought treatment. Most sought care from Government hospitals (17), Government clinics (23) and church aid posts (11).

Fever

One fifth (226) of children under the age of 5 in our study sample were reported to have had a fever in the 2 weeks leading up to the survey. Of these 40 (17%) had blood taken for testing.



Access to health care

Over one third of children (33%) under the age of 5 needed access to healthcare in the 12 months before the survey. The main reasons reported for needing healthcare included cough (118), fever (172) and diarrhoea (35). Most children attended government facilities for treatment with a quarter visiting Government clinics (100) followed by Government hospitals (61). Almost all (376) children who reported visiting a health facility were treated by a nurse. The majority (234) of children and their families reached the healthcare facility by foot, with about one third taking public transport.

Child Nutrition

Anthropometric data was collected for 1451 children under the age of 5. All children under the age of 5 in the sampled households were eligible to have their height, weight and mid-upper arm circumference measured. Children's height (or length), weight, and age were used to calculate height-for-age, weight-for-height, and weight-for-age to assess nutritional status.¹¹ Missing, incomplete and data outside the acceptable range have been excluded from the analysis.

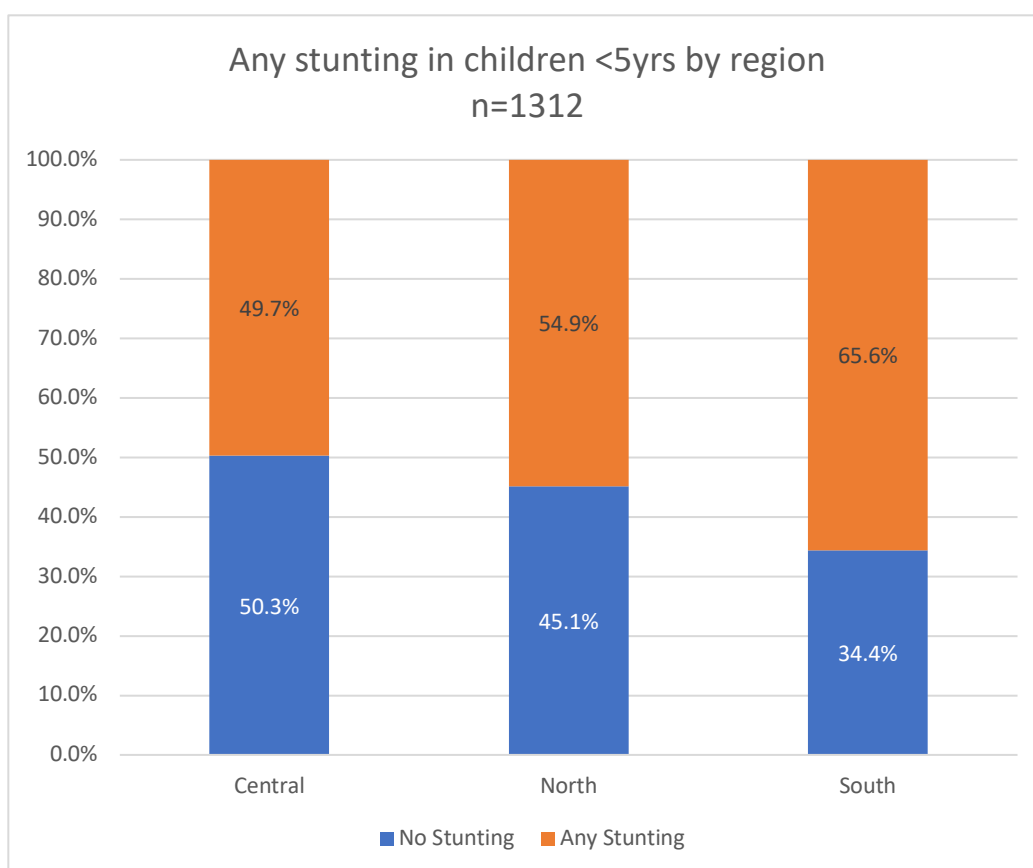
¹¹ Mother and Child Nutrition. 2018. *About Malnutrition*. [ONLINE] Available at: <http://motherchildnutrition.org/about/index.html>. [Accessed 10 September 2018].

Stunted: Stunted growth refers to low height-for-age, when a child is short for his/her age but not necessarily thin. Also known as **chronic malnutrition**, this carries long-term developmental risks.

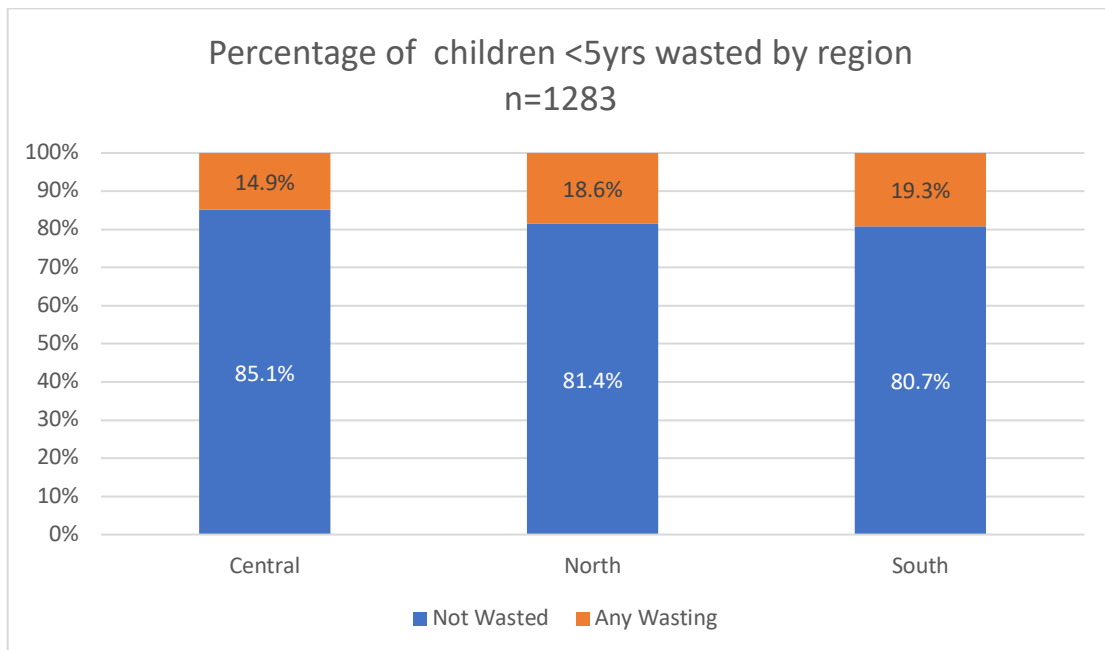
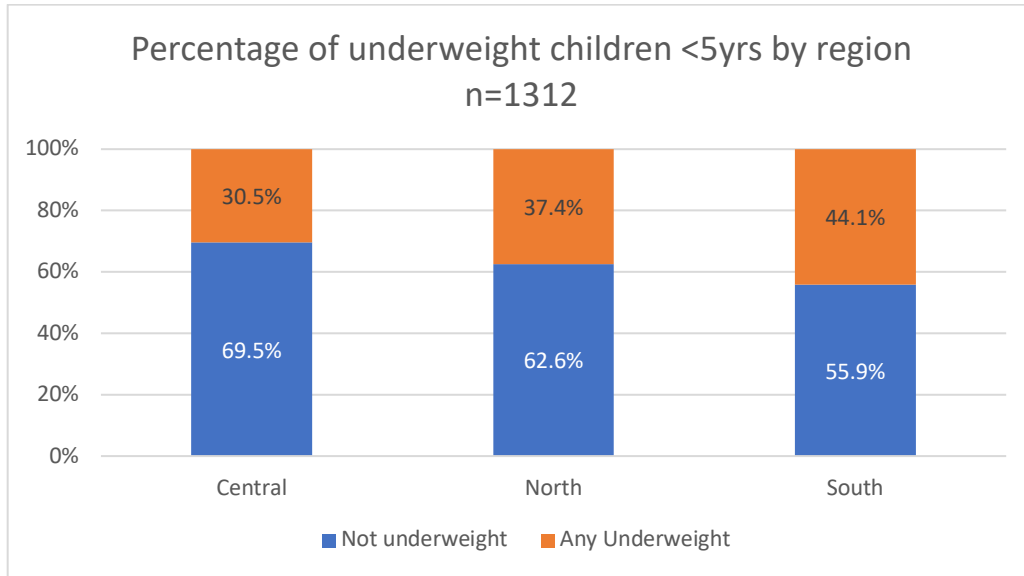
Under-weight: Under-weight refers to low weight-for-age, when a child can be either thin or short for his/her age. This reflects a combination of **chronic and acute malnutrition**.

Wasted: Wasted refers to low weight-for-height where a child is thin for his/her height but not necessarily short. Also known as **acute malnutrition**, this carries an immediate increased risk of morbidity and mortality. (Mother and Child Nutrition 2018 About Malnutrition)

Among children measured 58% (764) were found to have any stunting, with 18.5% (244) severely stunted. Over a third of children under the age of 5 were found to be underweight (513) and almost a fifth wasted (237). The prevalence levels reported for stunting, wasting and underweight are considered to be very high based on the World Health organisation cut off values for public health significance.¹²



¹² WHO. Nutrition Landscape Information System (NLIS) Country Profile Indicators [ONLINE] Available at: http://www.who.int/nutrition/nlis_interpretation_guide.pdf. [Accessed 10 September 2018].



Two aims of Objective 2 (Understand and raise awareness of the opportunities for improved nutrition and health to contribute to agricultural productivity and livelihoods) were to

1. Establish the health priorities of each community (completed- regional data available)
2. Develop an evidenced-based Cocoa- Health/Livelihood Framework (Cocoa Farmers Health Framework) that describes best practice in healthcare for communities. (completed)

Establish the health priorities of each community (completed- regional data available)

The survey results identify the priorities for each region. The research team has met with communities and stakeholders to report the results for each region. Should the ARoB wish regional reports these can be provided.

Develop an evidenced-based Cocoa- Health/Livelihood Framework (Cocoa Farmers Health Framework) that describes best practice in healthcare for communities. (completed)

The survey results identify priority areas for addressing health concerns in cocoa farming communities. The Framework is an educational program for village volunteers. It is based on the survey results and the literature. The Cocoa Farmers Health Framework comprises two parts. Part A is about how the Framework was developed and provides guidance to villages (via a volunteer program) on how to implement the program. The project envisages that village volunteers will work out of the Village Hubs when they are constructed. Part B of the Framework describes the topics that are included in the program. The topics were selected using the results of the Livelihood survey and the literature. The Framework is a village empowerment program that seeks to enhance the knowledge and skills of villagers, so they can make improvements to their livelihoods and reduce sickness and poverty. The implementation of the Framework is not part of this project and requires consultation with the Bougainville Healthy Community Programme (BHCP) as to how it should be implemented.

Each topic in the Cocoa Farmer Health Framework identifies the underpinning knowledge required by volunteers, then describes the actions and the behaviours they require to complete the transfer of knowledge to households in a village. This program does not duplicate the established Bougainville Healthy Community Programme (BHCP). Rather it is hoped that the Framework will assist the BHCP with specific areas identified in the surveys.

Cocoa Farmers Health Framework

Part A: How to implement the Framework (Program)

- How the topics were selected
- Structure of the program
- Principles of community empowerment
- Managing power imbalances
- How to implement the program
- Guidelines on disease outbreaks
- Principles underpinning the Framework
- Conflict resolution
- Resources

Part B: Cocoa Farmer health Village Program: Underpinning knowledge required(What you need to know) and Activities (What you can do)

- Preventive health care
- Infectious diseases
- Medications/antibiotics
- Nutrition
- Preventing stunting in children
- Eye health
- Family planning
- Health promotion

Cocoa Farmers Health Framework: Part B

Underpinning knowledge required(what you need to know) and Activities (What you can do)

Preventive health care	Infectious diseases	Medications & antibiotics
<ul style="list-style-type: none"> • Hand hygiene, safe drinking water, water sources • Safe garbage disposal, human waste • Control of disease vectors • Immunisation • Early recognition of childhood illnesses • Common chronic illnesses 	<ul style="list-style-type: none"> • Main vectors and the diseases they transmit • Control of disease vectors • Detection and control of specific diseases(malaria, dengue, Zika, Tuberculosis, viral hepatitis, STIs) • Syndrome surveillance for influenza-like illnesses, acute paralysis and diarrhoea 	<ul style="list-style-type: none"> • Adherence to medications • Appropriate use of antibiotics

Underpinning knowledge required(what you need to know) and Activities (What you can do)

Nutrition	Preventing stunting in children	Eye health
<ul style="list-style-type: none"> • Undernutrition • Over nutrition (over weight/obesity) 	<ul style="list-style-type: none"> • Maternal and child health • Antenatal care/post natal care 	<ul style="list-style-type: none"> • Understanding vision problems • Prevention and treatment for vision problems

Underpinning knowledge required(what you need to know) and Activities (What you can do)

Family Planning	Health Promotion
<ul style="list-style-type: none"> • Education • contraception 	<ul style="list-style-type: none"> • Life style improvement , physical fitness, stress control • Smoking/Buin cessation • Diet • Dental care

Attachment: The Questionnaire

Household Registration	
Tok Pisin	English
<p>**Nem bilong mi X na mi wanpla memba bilong tim we nau i wok long wanpla sevei or wok painim aut long ol wanwan haus long ples bilong yu.</p> <p>Mipela i lukluk long helt bilong ol Kakau fama na ol famili bilong ol wantaim.</p> <p>Long dispela sevei o wok painim mipela bai askim yu long sampla askim long sait bilong wok didman na tu long helt bilong ol man, meri na pikinini, husait i save stap long haus bilong yu.</p> <p>Olgeta bekim yu givim mipela, bai mipela ino inap tru long tokaut long en igo long narapela.</p> <p>Sapos yu hamamas long stap insait long dispela sevei o wok painim aut, yu tok OK lo mi. Dispela sevei bai kisim olsem wanpela aua, samting olsem, long pinisim.**</p> <p>**Yu ting yumi ken stat nau? **</p>	<p>**My name is X and I am part of team that is doing a survey of all households in your village. We are looking at the health of cocoa farmers and their families. In this survey we would like to ask you some questions about your farming and livestock but also about the health of the men women and children in your household. This survey will help us find out whether poor health affects your ability to look after your cocoa. All the answers you give us are completely confidential that means we are not allowed to talk to anybody about your answers outside the research team. Please confirm whether you are happy to take part in the survey which will take about one hour to complete**.</p> <p>**May i start now? **</p>
Region	**Region**
Distrik nem	**Name of District**
Name of Village Assembly	**Name of Village Assembly**
Ples Nem	Name of Village
Haus namba	Household number
Consent	Consent
Interview date	Interview date
Plis yu askim husait yu interviewim long raitim OK long soim olsem em hamamas lo stap long dispela sevei. Sapos em ino laik stop nau.	**Please ask respondent to whether they are willing to participate in the survey. If they do not consent you must stop the survey.**
yes	yes
Nogat	no
Yu inap long go het long ol askim nau o nogat	**Is it ok to go ahead with asking the questions? **
Yes	Yes
Nogat	No
Long wanem as na yu no nap pinisim ol askim na bekim nau yet	Reason for not being able to complete form?
Nogat man long haus o nogat man/meri husait inap lo mekim interview long taim yu go long haus	Not household member or no competent respondent at home at time of visit
Famili no stap long haus longpela taim nau	Entire household absent for extended period of time
Ino laik long mekim interview	Refused
Famili lusim haus olgeta	Dwelling vacant/Address not at dwelling
Haus i baragap long flood or guria o paia	Dwelling destroyed
Haus ino mo stap	Dwelling not found
Narapla	Other
Plis tok aut long wanem as	Other (Specify)

Sapos yu no nap long mekim dispela sevei orait yu go long end bilong fom an salim.	If this household is not able to participate in the survey please go to the end of the form and submit.
Orait	Consent Provided
Ful nem bilong man/meri yu bai interviewim	Name of Respondent (First and last name)
Papa or Mama bilong haus mas bekim ol dispela askim	Respondent should be person in household who is mainly responsible for cocoa farming activities
<output value="/data/group_consent_provided/respondent_name"/> **Man or Meri?*	Sex of <output value="/data/group_consent_provided/respondent_name"/>
Man	Male
meri	Female
Yu kam nau long arare bilong fom, plis inap yu sekim olsem yu askim olgeta askim an kisim olgeta bekim. Sapos yu pinism olgeta askim na kisim olgeta bekim orait yu presim "Finish" baten. Sapos fom ino pinis gut plis go bek na pinisim olgeta askim o yu sevim fom olsem "incomplete" na go bek lo fom bihain taim.	You have now reached the end of this form, please check and make sure you have completed all the questions appropriately. If you have complete all questions, select complete followed by the finish button. If form is not complete, please go back and finish all required questions or save the form as incomplete to be returned to a later time.

Household Listing	
Dispela fom i rekodim olgeta man/meri/pikinini stap silip kirap long dispel haus. Pastaim, plis tokim ol nem bilong olgeta lain isave stap long dispel haus olgeta taim, statim lo papa blo haus. Bai yumi rekondim olgeta wanwan lain isave stap long dispela haus.	This form registers all people living within this household. First, please tell me the name of each person who usually lives here, starting with the head of the household. We will go through each household member one by one. Please also include yourself the respondent.
Complete result	Complete result
Yu inap long go het lo ol askim nau?	Is it ok to go ahead with asking the questions?
yes	yes
Nogat	No
Long wanem as na yu no nap pinisim ol askim na bekim nau yet	Reason for not being able to complete this form?
Nogat man long haus o nogat man/meri husait inap lo mekim interview lo taim yu go lo haus	Not household member or no competent respondent at home at time of visit
Famili no stap long haus longpela taim nau	Entire household absent for extended period of time
Ino laik long mekim interview	Refused
Famili lusim haus olgeta	Dwelling vacant/Address not at dwelling
Haus I baragap lo flood or guria o paia	Dwelling destroyed
Haus ino mo stap	Dwelling not found
Narapla	Other
Tokaut long narapla	Other (Specify)
Household Listing	Household Listing
Hamaspla man/meri/pikinini i save slip long dispela haus (A household is defined as one house or a group of houses that are from the same family and share a kitchen). (ol i slip long dispela haus long las 20pela dei long las mun).	Total number of persons living in the household currently (A household is defined as one house or a group of houses that are from the same family and share a kitchen). (Include any household member who has slept here for 20 days during the past month)
Household member	Household Member
Ful nem bilong man/meri yu bai interviewim	Name of person (First and Last name)

<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s Inap yu tokim mi hau dispela memba blo famili I relate igo long papa blo haus?	<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s relationship to head of household
Papa bilong haus	Household head
Meri/man	Wife/Husband
Pikinini man/pikinini meri	Son/Daughter
Tambu man/tambu meri	Son in law/Daughter in law
Pupu/bubu	Grandchild
Papa/mama	Parent
Mama papa bilong man o meri	Parent in Law
Barata/susa	Brother/Sister
Pikinini bilong barata o susa	Niece/Nephew
Narapla lain bilong famili	Other relative
Adopted o pikinini blo man o meri long narapla marit	Adopted/Foster/Stepchild
Ino famili memba	Not related
No Save	Don't Know
Sex of <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>?	Sex of <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>?
Man	Male
meri	Female
What is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s age?	What is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s age?
What is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s date of birth?	What is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s date of birth?
If person does not know their date of birth, ask if they have a birth card or put '1900' as the year.	If person does not know their date of birth, ask if they have a birth card or put '1900' as the year.
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Marit o nogat?	What is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s marital status?
Single	Single
Married	Married
Divorced Man o meri bilong em lusim em	Divorced
Widowed Man o meri bilong em i dai	Widowed
Not married- Cohabit Ino marit tasol ol stap wantaim	Not married- Cohabit
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> stap hia lo nait?	Did <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> stay here last night?
Yes	Yes
Nogat	No

Mama karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> is stap laif yet o nogat?	Is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> natural mother alive?
Yes	Yes
Nogat	No
No Save	Don't Know
Mama karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> istap lo dispela haus tu o nogat?	Does <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s natural mother live in this household?
Yes	Yes
Nogat	No
Mama karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> i stap we sapos ino stap lo dispela haus??	Where does <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> natural mother live?
Mama karim stap long narapla haus lo PNG	Another Household in this country
Mama karim istap long sampla hap we em kisim halivim lo PNG?	Institution in this country
Narapela Kantri	Abroad
no save	Don't Know
Papa karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> istap laip ?	Is <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> natural father alive?
Yes	Yes
Nogat	No
No Save	Don't Know
Papa karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> istap lo dispela haus tu o nogat?	Does <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>'s natural father live in this household?
Yes	Yes
Nogat	No
Papa karim bilong <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> i stap we sapos ino stap lo dispela haus??	Where does <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> 's natural father live?
Mama karim stap long narapla haus lo PNG	Another household in this country
Mama karim istap long sampla hap we em kisim halivim lo PNG?	Institution in this country
Narapla Kantri	Abroad
no save	Don't Know
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> igo lo skul o pre-skul?	Has <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> ever attended school or pre-school?
Yes	Yes
Nogat	No
Attended School	Attended School

<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Yu bin skul igo inap we?	Highest level of school <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> has attended?
Elementary	Elementary
Community School (Grades 1-8)	Community School (Grades 1-8)
Highschool (Grades 9-10)	Highschool (Grades 9-10)
Secondary Highschool (grades 11-12)	Secondary Highschool (grades 11-12)
Tertiary Education	Tertiary Education
Don't Know	Don't Know
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Pinisim skul lo wanem grade?	What is the highest grade <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> completed at this level?
e.g (grades 1-8)	e.g (grades 1-8)
e.g (grades 9-10)	e.g (grades 9-10)
e.g (grades 11-12)	e.g (grades 11-12)
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Insait long dispela yia 2016, em igo lo skul o preskul tu o nogat?	During the current school year, that is 2016, did <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> attend school or preschool at any time?
Yes	Yes
Nogat	No
I go long skul lo dispela yia	Attended current school year
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Long dispela skul yia inap we?	During this/that school year, which level was <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> attending?
Elementary Grades(E1-E2) Community School (Grades 1-8) Highschool (Grades 9-10) Secondary Highschool (grades 11-12)	Elementary Grades(E1-E2) Community School (Grades 1-8) Highschool (Grades 9-10) Secondary Highschool (grades 11-12)
Elementary Grades(E1-E2)	Elementary Grades(E1-E2)
Community School (Grades 1-8)	Community School (Grades 1-8)
HighSchool (Grades 9-10)	HighSchool (Grades 9-10)
Secondary Highschool (grades 11-12)	Secondary Highschool (grades 11-12)
Tertiary Education	Tertiary Education
No Save	Don't Know
<output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/> Long dispela yia yu stap long wanem grade. (No Save 98)	During this/that school year, which grade was attending? (don't know 98) <output value="/Respondent_householdlisting_myanmar/group_household_listing/repeat_household_member/hh_member_name"/>attending? (don't know 98)
e.g (grades 1-8)	e.g (grades 1-8)
e.g (grades 9-10)	e.g (grades 9-10)
e.g (grades 11-12)	e.g (grades 11-12)
Nau mi laikim bai yu ridim dispela tok	Now I would like you to read this sentence to me.
"Ples bilong mi igat ol naispela purpur"	"My village has a nice garden"

Ino nap ridim	Cannot read at all
Inap long ridim hap hap tasol	Able to read only parts of sentence
Inap ridim olgeta tok	Able to read whole sentence
Inap long rid lo tokples	No sentence in language required
Ino inap long lukim olgeta samting	Blind/visually impaired
man/meri/pikinini ino istap long haus	not at home
Wanem tokples	Please specify which language you can read in
Yu kisim bikpla moni lo wanem samting?	What are your main sources of income?
Kakau	cocoa
Kopra	copra
kulaus Tarai o Kulau	Dry coconuts or kulaus
kaikai	foodcrops
wok long narapla hap	Employment off the farm
liklik bisnis	small business
Narapla rot	Other source of income
Plis tokim mi long narapla	Please specify other income source
group_eligibility	group_eligibility
Yu kam nau long arare bilong fom, plis inap yu sekim olsem yu askim olgeta askim an kisim olgeta bekim. Sapos yu pinism olgeta askim na kisim olgeta bekim orait yu presim "Finish" baten. Sapos fom ino pinis gut plis go bek na pinisim olgeta askim o yu seivim fom olsem "incomplete" na go bek long fom bihain taim.	<p>You have now reached the end of this form, please check and make sure you have completed all the questions appropriately.</p> <p>If you have complete all questions, select complete followed by the finish button.</p> <p>If form is not complete, please go back and finish all required questions or save the form as incomplete to be returned to at a later time.</p>

Household Information	
Lo dispela hap bi mi askim yu long ol krismas na ol man o meri, na ol wok, na ol samthing. Yumi start	In this part of the questionnaire I will ask you about your household's demographics, livelihoods and resources. So let's begin.
Yu inap long go het lo ol askim nau o nogat	Are you able to proceed with this form?
Yes	yes
No	No
Result of Survey	Result of Survey
Nogat man long haus o nogat man/meri husait inap lo mekim interview lo taim yu go lo haus	Not household member or no competent respondent at home at time of visit
Famili no stap long haus longpela taim nau	Entire household absent for extended period of time
Ino laik long mekim interview	Refused
Famili lusim haus olgeta	Dwelling vacant/Address not at dwelling
Haus I baragap long flood or guria o paia	Dwelling destroyed
Haus ino mo stap	Dwelling not found
Narapla	Other
Plis tok aut long wanem as	Other (specify)
Yu inap long go het lo ol askim nau	proceed with form
Household Chracteristics	Household Chracteristics
Wanem lotu o misin?	What is the religion of the head of this household?
Anglican	anglican
Evangelical Alliance	Evangelical Alliance
Pentecostal	pentecostal

Evangelical Lutheran	Evangelical Lutheran
Roman Catholic	Roman Catholic
Salvation Army	Salvation Army
Seventh Day Adventist	Seventh Day Adventist
United Church	United Church
Other Christian Church	Other Christian Church
Non-Christian	non-christian
Nogat	No religion
Narapla	other (specify)
Tokaut long narapela	Other Specify
Hamas rum silip lo haus?	How many rooms in this household are used for sleeping?
Flor blo haus ol makim lo wanem samting?	What is the main material of the dwelling floor?
Giraun	Natural floor: Earth/sand
Wesan	Natural floor: Sand
Diwai	Rudimentary floor: Wood planks
Mambu	Rudimentary floor: Palm/bamboo
palang	Finished floor: Parquet or polished wood
Floor mat/carpet	Finished floor: Vinyl or asphalt strips
Tiles	Finished floor: Ceramic tiles
Cement	Finished floor: Cement
Carpet	Finished floor: Carpet
Unpolished floor	Finished floor: Unpolished Floor
narapla	Other (specify)
Other (specify)	Other (specify)
Wol blo haus ol mekim lo wanem?	What is the main material of walls? Record observation
No walls	Natural walls: No walls
Limbung	Natural walls: Cane/palm/trunks
Natural Wall: Sago Leave	Natural Wall: Sago Leaves
Giraun	Natural walls: Dirt
Mambu	Rudimentary walls: Bamboo with mud
Mud Ston	Rudimentary walls: Stone with Mud
Uncovered adobe	Rudimentary walls: Uncovered adobe
Plywood	Rudimentary walls: Plywood
Cardboard	Rudimentary walls: cardboard
Reused wood	Rudimentary walls: Reused wood
Cement	Finished walls: Cement
Stone with lime/cement	Finished walls: Stone with lime/cement
bricks	Finished walls: Bricks
cement	Finished walls: Cement blocks
wood planks	Finished walls: Wood planks/shingles
Tokaut lo narapla	Other (specify)
Tokaut lo narapla	Other (specify)
Kuk lo wanem?	What is the main type of fuel your household uses for cooking?
Electricity	Electricity
Liquid Propane	Liquid Propane Gas(LPG)
Natural gas	Natural gas
Biogas	Biogas
Kerosene	Kerosene

Coal/	Coal/lignite
Charcoal	Charcoal
Wood	Wood
Straw/shrub/grass	Straw/shrub/grass
Animal Dung	Animal Dung
Agricultural crop residue	Agricultural crop residue
No food cooked in household	No food cooked in household
Other, specify	Other, specify
Other, specify	Other, specify
Haus kuk insait lo haus, o haus kuk istap bilong em yet o arasait?Sapos lo insait lo haus, igat rum blo kuk?	Is the cooking usually done in the household, in a separate building or outdoors?If 'In the house', probe: Is It Done In A Separate Room Used As A Kitchen?
igat rum bilong kuk	In the house, in a separate room used as a kitchen
Insait lo haus tasol lo narapla hap	In the house, elsewhere in the house
Istap lo narapla haus	In a separate building
ausait	Outdoors
No save kuk	Don't Cook
Water and Sanitation	Water and Sanitation
Wara blo dring em kam we?	What is the main source of drinking water for members of your household?
Wara I kam lo paip igo insait lo haus	Piped water: Piped into dwelling
Wara I kam lo paip lo kompaun	Piped into compound, yard or plot
Public	Public tap/standpipe
Wara paip ikam lo haus klostu	Piped to neighbour
Hol wara	Tubewell/borehole
Hol wara ol digim	Dug well: Protected well
Unprotected well	Unprotected well
Hol wara kamap lo giraun karamap	Spring: Protected spring
Hol wara kamap lo giraun ino karamap	Unprotected spring
Renwara lo tank o dram	Rainwater collection
Tanker	tanker_truck
Cart	Cart with small tank/drum
Wara lo riva	Surface water (river, stream, dam, lake, pond, canal, irrigation channel)
botol wara	Bottled water
narapla	Other (specify)
Other (specify)	Other (specify)
Wara blo kuk waswas na wasim han	What is the main source of water for other purposes, such as cooking, hand-washing and bathing?
Wara I kam lo paip igo insait lo haus	Piped into dwelling
Wara I kam lo paip lo kompaun	Piped into compound, yard or plot
Wara paip ikam lo haus klostu	Piped to neighbour
Public	Public tap/standpipe
Tubewell/borehole	Tubewell/borehole
Hol wara ol digim	Protected well
Unprotected well	Unprotected well
Hol wara kamap lo giraun karamap	Protected spring
Hol wara kamap lo giraun ino karamap	Unprotected spring

Renwara lo tank o dram	Rainwater collection
Tanker	tanker_truck
Cart	Cart with small tank/drum
Wara lo riva	Surface water (river, stream, dam, lake, pond, canal, irrigation channel)
Other (specify)	Other (specify)
Other (specify)	Other (specify)
list_Water_Location	list_Water_Location
Wara blo dring ikam we?	Where is your drinking water located?
Lo haus	In own dwelling
Lo yard	In own yard / plot
Narapla hap	Elsewhere
Hamas minit lo go pulumapim wara na kam bek lo haus?	How long in minutes does it take to get there, get water and comeback? (Don't know type '998')
Husait save go pulumap wara?	Who usually goes to this source to fetch the water for your household? Is this person under age of 15 years old, and what sex?
(Select one answer only)	(Select one answer only)
Meri krismas antap lo 15	Adult woman (15+ years)
Man krismas antap lo 15	Adult man (15+years)
Pikinini meri aninit lo 15	Female child (under 15 years of age)
Pikinini man aninit lo 15	Male child (under 15 years of age)
No save	Don't know
Yu save mekim sampla samting lo wara blo dring o nogat?	Do you treat your water to make it safe to drink?
Yes	Yes
No	No
Don't know	Don't know
Water treatment	Water treatment
Water_Treatment	Water_Treatment
Yu save mekim wanem lo wara lo kamup safe lo dring	What do you do to the water to make it safe to drink? ... Anything else? Record all items mentioned
Boil	Boil
Putim blits	Add bleach/chlorine
streinim lo hap laplap	Strain it through a cloth
Yusim wara filta (wesana)	Use water filter (ceramic, sand, composite, etc.)
Yusim san lo klinim wara	Solar disinfection
Lusim sanap na ol pipia igo daun lo as blo konteina	Let it stand and settle
Narapla	Other (specify)
No save	Don't know
Tokaut lo narapla	Other (specify)
Wanem kain toilet famili save yusim	What kinds of toilet facility do members of your household use?
If "flush" or "pour flush", probe: WHERE DOES IT FLUSH TO? If necessary, ask permission to observe the facility. Select one answer only	If "flush" or "pour flush", probe: WHERE DOES IT FLUSH TO? If necessary, ask permission to observe the facility. Select one answer only
Flush to piped sewer system	Flush to piped sewer system
Flush to septic tank	Flush to septic tank
Flush to pit (latrine)	Flush to pit (latrine)
Flush to unknown place/not sure where/DK	Flush to unknown place/not sure where/DK

Ventilated Improved Pit latrine (VIP)	Ventilated Improved Pit latrine (VIP)
Pit latrine with slab	Pit latrine with slab
Pit latrine without slab / open pit	Pit latrine without slab / open pit
Composting toilet	Composting toilet
Bucket	Bucket
Hanging toilet/hanging latrine	Hanging toilet/hanging latrine
No facilities or bush or field	No facilities or bush or field
Other (specify)	Other (specify)
Other (specify)	Other (specify)
Yu save serim toilet wantaim ol narapla lain o bilong famili tasol	Do you share this facility with others who are not members of your household? Select one answer only
Yes	Yes
No	No
Yu serim toilet wantaim ol narapela hauslain o olgeta narapla lain yu no save lo ol tu?	Do you share this facility only with members of other households that you know, or is the facility open to the use of the general public?
Narapla	Other Household only (not Public)
Public	Public
Hamaspla haus olgeta isave yusim dispela toilet? Sapos yu no save raitim "98"	How many households in total use this toilet facility? If don't know Type '98'
Mipla laik save long ol hap we ol lain lo haus save wasim han? Inap yu soim mi lo hap ol memba blo famili save wasim han?	We would like to learn about the places that households use to wash their hands. Can you please show me where members of your household most often wash their hands?
Lukim	Observed
Yu no lukim, hap bilong haus ino stap lo haus o yard?	Not Observed- Not in dwelling/plot/yard
No lukim- Ol no laik soim	Not observed- Not given permission to see
No lukim - Narapla	Not Observed- Other reason
Narapla	Other Specify
group_handwashing	group_handwashing
Lukim wara lo hap bilong wasim han. Sekim olsem tep/pamp, or basin baket, wara konteiner or narapla samting blo wara istap.	Observe presence of water at the place for handwashing. Verify by checking the tap/pump, or basin, bucket, water container or similar objects for presence of water.
Wara istap	Water is available
Wara ino stap	Water is not available
Lukim: igat sop, axion or sip bilong paia/waisan istap lo ples blo wasim han.	Observe: Is soap, detergent or ash/mud/sand present at the place for handwashing?
Sop istap	Yes, Soap is Present
No nogat sop	No Soap present
Rekodim wanem yu lukim, ol kain sop istap	Record your OBSERVATIONS on the types of soap present (select all that apply)
Ba sop	Bar Soap
Pauda sop/wara sop	Detergent (Powder/Liquid/Paste)
Wara sop	Liquid Soap
Sip bilong paia/wesan	Ash/Mud/Sand

Yu gat sop, wesan, sip bilong paia blo wasim han lo haus blo yu?	Do you have any soap or detergent or ash/mud/sand in your house for washing hands?
Yes	Yes
No	No
Inap yu soim mi?	Can you please show it to me?
Yes em soim	Yes, Shown
No em no soim	No, Not shown
Yu gat mosquito net yu yusim lo taim bilong slip?	Does your household have any mosquito nets that can be used while sleeping?
Yes	Yes
No	No
Yu gat mosquito net yu yusim lo taim bilong slip?	Insecticide Treated Nets
Hamaspla mosquito net yupla gat long haus?	How many Mosquito nets does your household have? Ask respondent to show you the nets in the households.
Inap yu soim mi lo ol mosquito net long haus?	(Ask respondent to show the nets in the household, repeat the following question for each observed net)
Igat wanpela bilong yupela I slip andanit long displamosquito net last nait	Did anyone sleep under a mosquito net last night?
Yes	Yes
No	No
mi no save	Don't Know
Husait ol tok ol slip andanit long last nait	People sleeping under nets last night
list_itn_sleep	list_itn_sleep
Hamas pikinini krismas bilong ol andanit long 5pla yar i bin silip andanit long displamoskito net las nait?	How many children under five years slept under a mosquito net last night?
Hamas boys 5 to 15 yia na ova I slip andanit long displamosquito net last nait	How many children aged 5 to 15 years slept under a mosquito net last night?
hamas man 15 yia na ova I slip andanit long displamosquito net last nait	How many adult men aged over 15 years slept under a mosquito net last night?
hamas meri 15 yia na ova I slip andanit long displa mosquito net last nait	How many adult women aged over 15 years slept under a mosquito net last night?
Lukim o askim long ol kain mosquito net.	Observe or ask the type of mosquito net.
Istap longpela taim	Long Lasting
Ino save stap longpela taim	Ordinary net
Narapla	Other
No save	Don't Know
Long last 12 pela mun, i gat sampela manmeri kam long ples bilong yupela long spray insait wol long house lo kilim mosquitos	At any time in the past 12 months, has anyone come into your dwelling to spray the interior walls against mosquitoes?
yes	Yes
No	No
mi no save	Don't Know
Husait I spraying ples bilong yupela, Selectim olgeta I tru long yu	Who Sprayed The Dwelling? Select all that apply.
Gavman wokman or workmeri/program	Government worker / program
ol private company	Private company
NGO	Non-governmental organization

Narapela lain	Other
mi no save	Don't know
tokaut long narapela	Other Specify
Livelihoods assessment: Now I would like to ask you about your household resources including assets, facilities, land, income and expenditure.	Livelihoods assessment: Now I would like to ask you about your household resources including assets, facilities, land, income and expenditure.
Family properti-family bilong yupela igat sampela samting stap tamblo? Listim olgeta samting yupela famili igat.	Household Assets
Transport property	**Does your household own any of the following transport assets** *Select all that apply*
bicycle	bicycle
motorcycle	motorcycle
famili car/bikpela car	car/truck
Canoe	Canoe
Banana boat with engine	Boat with a motor
nogat	none
house property	**Does your household own any of the following household assets** *Select all that apply*
Radio/cassette	Radio/cassette
Television	Television
refrigerator	refrigerator
DVD player	DVD player
Mobile phone	Mobile phone
A Watch	A Watch
Electricity	Electricity
nogat	none
hamas mobile phone yuple family igat	How many mobile phones does your household have?
Kolim nem bilong olgeta phone yu gat (inap long 3-pela phone)	For each phone record the type (record up to 3 phones)
Mobile Phone	Mobile Phone
Wanem kain phone yu igat? (1)	What type of phone is your first phone? (1)
Mobile Phone (celullar)	Mobile Phone (celullar)
Smart phone	Smart phone
Wanem kain phone yu igat? (2)	What type of phone is your second phone? (2)
Mobile Phone (celullar)	Mobile Phone (celullar)
Smart phone	Smart phone
Wanem kain phone yu igat? (3)	What type of phone is your third phone? (3)
Mobile Phone (celullar)	Mobile Phone (celullar)
Smart phone	Smart phone
Ol samtin bilong wok	**Does your household own any of the following productive assets** *Select all that apply*
Didiman tools (e.g. shovel, spade, sickle, plough)	Agricultural tools (e.g. shovel, spade, sickle, plough)
Fishing gears (olsem fish net)	Fishing gear (e.g. fish net)
Rice mill	Rice mill (e.g. fuel and/or electricity run)

4wheel tractor	4wheel tractor
nogat	none
yu o wanpela bilong yupela stap long dispela house I papa bilong dispela haus? sapos yes, selctim "bilong yu" Sapos nogat, orait, askim: yu rentim dispela haus long sampela ino stap long hia Sapose "you rent long narapela lain", selectim "rent". Long narapela answers, selectim "narapelar".	Do you or someone living in this household own this dwelling? If "no", then ask: do you rent this dwelling from someone not living in this household? If "Rented from someone else", select "rent". For other responses, select "other".
bilong yu	Own
Rent	Rent
Narapela	Other
tokaut long narapela	Other Specify
Yu or wanpela bilong yupela insait long dispela house igat graund long wokdidiman	Do you or any member of this household own any land that can be used for agriculture?
Yes	Yes
No	No
hamas graun yupela famili long dispela haus igat long wokim agriculture yu no save, raitim "98".	**How many hectares of agricultural land do members of this household own?*** If unknown, record "98".
Yu rentim dispela graun long narapela lain ino istap insait long dispela haus	Do you lease any land for agriculture from someone not living in this household?
Yes	Yes
No	No
hamas graun yupela famili long dispela haus rentim long wokim agriculture	How many hectares of agricultural land do members of this household lease?
Igat wanpela memba bilong this haus igat bank account?	Does any member of this household have a bank account?
Yes	Yes
No	No
Wanem bank?	Which Bank?
Bank South Pacific	Bank South Pacific
Australian & New Zealand Banking Group (ANZ),	Australian & New Zealand Banking Group (ANZ),
Westpac Bank	Westpac Bank
Kina Bank Limited	Kina Bank Limited
First investment finance Limited	First investment finance Limited
mi no save	Don't Know
Narapela	Other
tokaut long narapela	Other (specify)
Dispela section bai yumi toktok long abus yupela family igat	This section is about livestock that are owned by the houshold and may be integrated with cocoa farming
Yu pela famili long dispela haus igat livestock (bilong yupela yet kaikai or bilong salim)	Does your household own any livestock (animals used for your own food or sale)?
Yes	Yes
No	No
Livestock	Livestock
Wanem kain livestock yupela long dispela haus igat	What type of livestock does your household own?
Pik	Pigs

Kakaruk	Chickens
meme	Goats
Narapela	Other
Narapela kain livestock	Specify other livestock types?
hamas pik	How many pigs?
hamas liklik bebi piks yu igat?	How many pigs of juvenile age do you have?
hamas mama piks yu igat?	How many pigs of breeding age do you have?
Na yupela kisim dispela pik long wanem hap?	Where did you get the pigs from?
baim	buy
yupela yet kamapim?	self reared
narapela I gipim	gift
Narapela rot	other
Sapose narapela rot, plis toksave	Other Source Please Specify
Husait long dispela haus, lukaut piks?	Who mainly cares for the pigs?
man	Men
Meri	Women
Tubuna pikinini ova 15 yias	Grown children (15 years or older)
Liklik pikinini ino 15 yia yet	Young children (less than 15years)
hamas kakaruk	How many chickens?
Hamas liklik kakaruk yupela igat?	How many chickens of juvenile age do you have?
Hamas meri kakaruk yupela igat?	How many chickens of breeding age do you have?
Yupela kisim kakaruk long wanem hap?	Where did you get the chickens from?
baim	buy
yupela yet kamapim?	self reared
narapela I gipim	gift
Narapela rot	other
Sapose narapela rot, plis toksave	Other Source Please Specify
Husait long haus save lukautim kakaruk	Who mainly cares for chickens?
meri	Women
man	Men
Tubuna pikinini 15 yias na ova	Grown children (15 years or older)
Liklik pikinini ino 15 yia yet	Young children (less than 15years)
Hamas bikpela goat yupela igat?	How many goats?
Hamas liklik goats yupela igat?	How many goats of juvenile age do you have?
Hamas meri goats yupela igat?	How many goats of breeding age do you have?
Yupela kisim goats long wanem hap?	Where did you get the goats from?
baim	buy
yupela yet kamapim?	self reared
narapela I gipim	gift
Narapela rot	other
Sapose narapela rot, plis toksave	Other Source Please Specify
Husait long haus save lukautim goats	Who mainly cares for goats?
meri	Women
man	Men
Tubuna pikinini 15 yias na ova	Grown children (15 years or older)
Liklik pikinini ino 15 yia yet	Young children (less than 15years)
hamas <output value="/Household_v3/group_can_proceed/livestock_group/livest	How many <output value="/Household_v3/group_can_proceed/livestock_group/livest

ock_name_other"/> ?	ock_name_other"/> ?
Namba bilong <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> by age group must equal the total number of <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> & Answer must be greater than 0 and less than 100	The number of <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> by age group must equal the total number of <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> & Answer must be greater than 0 and less than 100
hamas <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> of juvenile age do you have?	How many <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> of juvenile age do you have?
hamas <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> of breeding age do you have?	How many <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> of breeding age do you have?
Wanem hap you kisim <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> from?	Where did you get the <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> from?
baim	buy
yupela yet kamapim?	self reared
narapela I gipim	gift
Narapela rot	other
Sapose narapela rot, plis toksave	Other Source Please Specify
Husait save lukautim <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> ?	Who mainly cares for <output value="/Household_v3/group_can_proceed/livestock_group/livestock_name_other"/> ?
meri	Women
man	Men
Tubuna pikinini 15 yias na ova	Grown children (15 years or older)
Liklik pikinini ino 15 yia yet	Young children (less than 15years)
Kaikain kaikai	Dietary Diversity
This next section of the survey relates to dietary diversity. Ask the respondent to describe what the household ate yesterday for breakfast, lunch and dinner and any snacks they had throughout the past 24 hrs. Then interpret their answers according to the following food categories.	This next section of the survey relates to dietary diversity. Ask the respondent to describe what the household ate yesterday for breakfast, lunch and dinner and any snacks they had throughout the past 24 hrs. Then interpret their answers according to the following food categories.
Strongpela kaikai	Starchy staples
Yes	Yes
No	No
Beans	Beans and peas
Yes	Yes
No	No
Nuts na seeds	Nuts and seeds
Yes	Yes
No	No
Milk na narapela dairy kaikai	Dairy
Yes	Yes
No	No

Nupela kaikai	Flesh foods (Meat)
Yes	Yes
No	No
Kiau	Eggs
Yes	Yes
No	No
Vitamin A-rich dark green leafy vegetables (e.g. kangkung, roselle, spinach, kale, lettuce, broccoli)	Vitamin A-rich dark green leafy vegetables (e.g. kangkung, roselle, spinach, kale, lettuce, broccoli)
Yes	Yes
No	No
Other Vitamin A-rich vegetables and fruits (e.g. pumpkin, carrot, ripe mango, papaya, sweet potato, tomato)	Other Vitamin A-rich vegetables and fruits (e.g. pumpkin, carrot, ripe mango, papaya, sweet potato, tomato)
Yes	Yes
No	No
Narapela kumu	Other vegetables
Yes	Yes
No	No
Narapela fruits	Other fruits
Yes	Yes
No	No
Food Security	Food Security
This section of the survey is about food security. Please say the following to the to the person: Nau bai mi askim yu questions long kaikai yupela igat long haus. Plis makim quesrtions makim yupel afamily long last 4 weeks	This section of the survey is about food security. Please say the following to the respondent: Now I'm going to ask you several questions about the food situation in your household. Please choose the answer to each question that relates the most to your situation in the past 4 weeks.
Long last 4 wiks, yu bin worry long ino gat inap kaikai long haus?	In the past four weeks, did you worry that your household would not have enough food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, yu or wanpela famili memba ino bin inap kaikai bikos ino gat inap money o ino gat inap kaikai long gaden	In the past four weeks, were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, yu or wanpela famili memba no igat inap kaikai bikos yupela ino igat inap resource o samting	In the past four weeks, did you or any household member have to eat a limited variety of foods due to a lack of resources?
No	No
ino gat inap	Rarely

sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, yu or wanpela memba bilong famili l kaikai sampela kaikai we yupela ino laikim bikos ino gat kaikai o ino gat wei bilong kisim narapela kaikai	In the past four weeks, did you or any household member have to eat some foods that you really did not want to eat because of a lack of resources to obtain other types of food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, yu or wanpela memba bilong famili kaikai liklik bikos, kaikai ino inap long olgeta bai kaikai	In the past four weeks, did you or any household member have to eat a smaller meal than you felt you needed because there was not enough food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, yu or wanpela memba bilong family ino kaikai long moning o apinun bikos ino gat inap kaikai long haus	In the past four weeks, did you or any household member have to eat fewer meals in a day because there was not enough food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, i bin igat wanpela taim i bin nogat kaikai olgeta long haus	In the past four weeks, was there ever no food to eat of any kind in your household because of lack of resources to get food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, ibin igat wanpela taim yu o wanpela famili memba ino kaikai na go slip bikos ino gat inap kaikai	In the past four weeks, did you or any household member go to sleep at night hungry because there was not enough food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, ibin igat wanpela taim yu o wanpela famili memba ino kaikai na go wok na tu go slip bikos ino gat kaikai	In the past four weeks, did you or any household member go a whole day and night without eating anything because there was not enough food?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, ibin igat wanpela taim yu o wanpela famili memba kisim kaikai long credit/dinau long stoa	In the past four weeks, did your family take food on credit (or loan) from a local shop?
No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
Long last 4 wiks, ibin igat wanpela taim yu o wanpela family memba kisim kaikai long credit/dinau long ol wantok	In the past four weeks, did your family have to borrow food from relatives or neighbours to make a meal?

No	No
ino gat inap	Rarely
sampela taim	Sometimes
planti taim	Often
The next section is about your households Cocoa farming activities	The next section is about your households Cocoa farming activities
Dispela section nau, em long family cocoa wok	Cocoa farming
hamas cocoa block yupela family igat	How many cocoa blocks do you farm?
wok cocoa	Who works on the farm?
Cannot select abandoned as well as other options	Cannot select abandoned as well as other options
man	men
meri	women
Tubuna pikinini 15 yia ina antap	Grown children (Over 15 years old)
Tubuna pikinini: 10-15 yia	Children (10 to 15years)
Tubuna pikinini: ananit long 10 yia	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Toksave or tokaut	Please specify
hamas man	How many men work on the farm ?
hamas meri	How many women work on the farm?
hamas pikinini 15 yia ova	How many grown children(older than 15 years) work on the farm?
hamas pikinini 10-15 yia	How many young children aged 10-15years work on the farm?
hamas pikinini ananit 10 yia	How many young children under 10 years work on the farm?
hamas hire man	How many hired workers work on the farm?
hamas man<output value="/Household_v3/group_can_proceed/group_cocoa_farming /other_worker_specify"/> ?	How many<output value="/Household_v3/group_can_proceed/group_cocoa_farming /other_worker_specify"/> work on the farm?
please answerig dispela questions long wanwan cocoa block bilong yupela	Please answer the following questions for each Cocoa block that your household farms
Husait papa bilong dispela ground	Who owns this block of land?
papa bilong dispela cocoa block	Own the block
rentim block	Rent the block from someone else
customary graun	Customary clan land
Narapela	Other
tokaut long narapela	Other Specify
Wanem kain cocoa you growim long dispela block	What type of Cocoa do you grow on this block?
SG1	SG1
SG2	SG2
Hybrid clones	Hybrid clones
Trinitario cocoa (tumbuna)	Trinitario cocoa (tumbuna)
Bush seeds (yu yet pick long block na usim seeds)	Own selection (trees grown from seed collected from own farm)
SG1	SG1
yia SG1 plantim long dispela block	In what year were the SG1 tree's planted on this block?
Namba blong SG1 stapl long dispela block	Number of SG1 Trees on block
Wanem hap yu bin kisim dispela SG!	Where did you source the SG1 planting material?
UNDP	UNDP

PPAP	PPAP
CCI	CCI
DAL	DAL
Private nursery	Private nursery
yu yet wokim	self propagated
Narapela	other
Narapela rot, plis tok save	Other source please specify
SG1	SG1
Yupela save farming block or yupela save forage (pick taim you nidim money)	Do you farm this cocoa block or forage?
farm	farm
forage	forage
husait lukautim cocoa blokc bilong yu	Who looks after this cocoa block?
man	men
meri	women
Tubuna pikinini 15 yias na ova	Grown children (Over 15 years old)
Tubuna pikinini: under 10-15 yias	Children (10 to 15years)
Tubuna pikinini: under 10 yias	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Narapela rot, plis tok save	Other (specify)
SG2	SG2
yia SG2 plantim long dispela block	In what year were the SG2 tree's planted on this block?
Namba blong SG2 stapl long dispela block	Number of SG2 Trees on block
Wanem hap yu bin kisim dispela SG!	Where did you source the SG2 planting material?
UNDP	UNDP
PPAP	PPAP
CCI	CCI
Private nursery	Private nursery
yu yet wokim	self propagated
Narapela	other
Narapela rot, plis tok save	Other source please specify
SG2	SG2
Yupela save farming block or yupela save forage (pick taim you nidim money)	Do you farm this cocoa block or forage?
farm	farm
forage	forage
husait lukautim cocoa blokc bilong yu	Who looks after this cocoa block?
man	men
meri	women
Tubuna pikinini 15 yias na ova	Grown children (Over 15 years old)
Tubuna pikinini: under 10-15 yias	Children (10 to 15years)
Tubuna pikinini: under 10 yias	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Narapela rot, plis tok save	Other (specify)

Hybrid clones	Hybrid clones
ya Hybrid clones plantim long dispela block	In what year were the Hybrid clone tree's planted on this block?
Namba blong hybrid clones stapl long dispela block	Number of Hybrid clones Trees on block
Wanem hap yu bin kisim dispela Hybrid clones	Where did you source the Hybrid clones planting material?
UNDP	UNDP
PPAP	PPAP
CCI	CCI
Private nursery	Private nursery
yu yet wokim	self propagated
Narapela	other
Narapela rot, plis tok save	Other source please specify
Hybrid clones	Hybrid clones
Yupela save farmining block or yupela save forage (pick taim you nidim money)	Do you farm this cocoa block or forage?
farm	farm
forage	forage
husait lukautim cocoa blokc bilong yu	Who looks after this cocoa block?
man	men
meri	women
Tubuna pikinini 15 yias na ova	Grown children (Over 15 years old)
Tubuna pikinini: under 10-15 yias	Children (10 to 15years)
Tubuna pikinini: under 10 yias	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Narapela rot, plis tok save	Other (Specify)
Trinitario	Trinitario
ya Trinitario plantim long dispela block	In what year were the Trinitario tree's planted on this block?
Namba bilong hybrid clones stapl long dispela block	Number of Trinitario Trees on block
Wanem hap yu bin kisim dispela Trinitario	Where did you source the Trinitario planting material?
UNDP	UNDP
PPAP	PPAP
CCI	CCI
Private nursery	Private nursery
yu yet wokim	self propagated
Narapela	other
Narapela rot, plis tok save	Other source please specify
Trinitario	Trinitario
Yupela save farmining block or yupela save forage (pick taim you nidim money)	Do you farm this cocoa block or forage?
farm	farm
forage	forage
husait lukautim cocoa blokc bilong yu	Who looks after this cocoa block?
man	men
meri	women
Tubuna pikinini 15 yias na ova	Grown children (Over 15 years old)
Tubuna pikinini: under 10-15 yias	Children (10 to 15years)

Tubuna pikinini: under 10 yias	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Narapela rot, plis tok save	Other (specify)
own_seeds	own_seeds
yia seeds bilong yu yet plantim long dispela block	In what year were the own_selection tree's planted on this block?
Namba of own seeds planted in this block	Number of own_selectionTrees on block
Yupela save farmim block or yupela save forage (pick taim you nidim money)	Do you farm this cocoa block or forage?
farm	farm
forage	forage
husait lukautim cocoa block bilong yu	Who looks after this cocoa block?
man	men
meri	women
Tubuna pikinini 15 yias na ova	Grown children (Over 15 years old)
Tubuna pikinini: under 10-15 yias	Children (10 to 15years)
Tubuna pikinini: under 10 yias	Children under (Under 10 years)
hire man	hired labour
nogat man, block nogat wokman	No one the farm is abandoned
Narapela	other
Narapela rot, plis tok save	Other (specify)
wanem kaim cocoa tools na equipment yupela famili long dispela haus igat	What Cocoa tools and equipment do you have?
Wheelbarrow	Wheelbarrow
Pole pruner	Pole pruner
Pruning saw	Pruning saw
Chainsaw	Chainsaw
Hook knife	Hook knife
Bush knife	Bush knife
Secateurs	Secateurs
Knapsack sprayer	Knapsack sprayer
Fermentry	Fermentry
Solar dryer	Solar dryer
Kiln dryer	Kiln dryer
Combination dryer	Combination dryer
ingat tools	Doesn't own any tools
Wheelbarrow	Wheelbarrow
Wheel barrow i wok yet?	What condition is the wheelbarrow in?
Bagarap	Broken
work yet	working order
nupela	new
Pole pruner	Pole pruner
Pole pruner i work yet?	What condition is the Pole pruner in?
Bagarap	Broken

work yet	working order
nupela	new
Pruning saw	Pruning saw
Pruning saw i work yet?	What condition is the Pruning Saw in?
Bagarap	Broken
work yet	working order
nupela	new
chainsaw	chainsaw
Chain saw i work yet?	What condition is the chainsaw in?
Bagarap	Broken
work yet	working order
nupela	new
Hook knife	Hook knife
hook knife i work yet?	What condition is the hook knife in?
Bagarap	Broken
work yet	Working order
nupela	new
Bush knife	Bush knife
bush knife i work yet?	What condition is the Bush Knife in?
Bagarap	Broken
work yet	Working Order
nupela	new
Secateurs	Secateurs
secatear i work yet?	What condition is the Secateurs in?
Bagarap	Broken
work yet	Working Order
nupela	new
Knapsak sprayer	Knapsak sprayer
Knapsak i work yet?	What condition is the Knapsak sprayer in?
Bagarap	Broken
work yet	Working Order
nupela	new
fermentry	fermentry
Farmentry i work yet?	What condition is the Fermentry in?
Bagarap	Broken
work yet	Working Order
nupela	new
solar dryer	solar dryer
Solar dryer work yet?	What condition is the solar d ryer in?
Bagarap	Broken
work yet	Working Order
nupela	new
kiln dryer	kiln dryer
Kiln dryer work yet?	What condition is the kiln dryer in?
Bagarap	Broken
work yet	Working Order
nupela	new
combination dryer	combination dryer

Combination dryer work yet?	What condition is the combination dryer in?
Bagarap	Broken
work yet	Working Order
nupela	new
Wanem kain cocoa beans yu save salim?	What types of beans do you sell?
cannot select none and another option	cannot select none and another option
Wet beans	Wet beans
Dry beans	Dry beans
nogat	none
Yu salim beans igo long husait?	Who do you sell your beans to?
Wet_bean_buyer	Wet_bean_buyer
Dry_bean_buyer	Dry_bean_buyer
Narapela	other
Narapela, plis toksave	Please specify
Dry cocoa production	Dry cocoa production
hamas bag Kakau drai bin yupela save kamapim long:	How many bags of dry cocoa did you produce in:
2014	2014?
Namba bilong drai bags mas "0" o moa tasol ino ken abrusim 150 bags	Number of bags of dry cocoa must be greater than '0' and less than or equal to '150'
2015	2015?
Namba bilong drai bags mas "0" o moa tasol ino ken abrusim 150 bags	Number of bags of dry cocoa must be greater than '0' and less than or equal to '150'
Dispela yia	This Year?
Namba bilong drai bags mas "0" o moa tasol ino ken abrusim 150 bags	Number of bags of dry cocoa must be greater than '0' and less than or equal to '150'
Wanem kain kakau bisnis istap long ples bilong yu	Which of the following cocoa businesses are in your village?
Planim Kakau	Cocoa farming
Fermentary and dryer	Fermentary and dryer
Cocoa nursery	Cocoa nursery
Wet cocoa bean buying	Wet cocoa bean buying
Dry cocoa bean buying	Dry cocoa bean buying
Cocoa transport	Cocoa transport
Cocoa pruning and rehabilitation	Cocoa pruning and rehabilitation
Fertiliser, pesticide and tool sellers	Fertiliser, pesticide and tool sellers
yu growim narapela crops?	Do you grow any other crops?
Yes	Yes
No	No
mi no save	Don't Know
group_other_crops	group_other_crops
Plis makim olgeta narapela crops yu and family I growim	Please select all other crops your household grows.
Coconut	Coconut
Banana	Banana
Shade Trees	Shade Trees
Buai	Betel Nut
Narapela	Other
Narapela, plis toksave/tokaut	Other (specify)

Coconut	Coconut
Husait save go pas long lukautim kokonas?	Who is mainly responsible for the coconut?
Meri	Wife
Man o papa	Husband
pikinini (Children)	Children
Narapela	Other
Narapela, plis toksave	Other (specify)
Coconut bilong salim or bilong salim	Is the coconut crop for consumption of selling
kaikai	Consumption
salim	selling
ino save	Don't Know
Banana	Banana
Husait save go pas long lukautim Banana?	Who is mainly responsible for the Banana?
Wife	Wife
Husband	Husband
pikinini (Children)	Children
Narapela	Other
Narapela, plis toksave	Other (specify)
Banana bilong salim or bilong salim	Is the banana crop for consumption of selling
kaikai	Consumption
salim	selling
ino save	Don't Know
Shade Trees	Shade trees
Husait save go pas long lukautim Shade trees?	Who is mainly responsible for the shade trees?
Wife	Wife
Husband	Husband
pikinini (Children)	Children
Narapela	Other
Narapela, plis toksave	Other (specify)
Shade trees bilong salim or bilong salim	Are the shade trees crop for consumption of selling
kaikai	Consumption
salim	selling
ino save	Don't Know
Buai	Betel nut
Husait save go pas long lukautim Buai?	Who is mainly responsible for the betel nut ?
Wife	Wife
Husband	Husband
pikinini (Children)	Children
Narapela	Other
Narapela, plis toksave	Other (specify)
Buai bilong salim or bilong salim	Is the betel crop for consumption of selling?
kaikai	Consumption
salim	selling
ino save	Don't Know
Other crop	Other crop
Husait isave lukautim <output value="/Household_v3/group_can_proceed/group_other_crops/other_crop_specify"/> ?	Who is mainly responsible for the <output value="/Household_v3/group_can_proceed/group_other_crops/other_crop_specify"/> ?

Wife	Wife
Husband	Husband
pikinini (Children)	Children
Narapela	Other
Narapela, plis toksave	Other (specify)
Em bilong <output value="/Household_v3/group_can_proceed/group_other_crops/other_crop_specify"/> for consumption of selling?	Is the <output value="/Household_v3/group_can_proceed/group_other_crops/other_crop_specify"/> for consumption of selling?
kaikai	Consumption
salim	selling
ino save	Don't Know
Long ol wok castoms, wanem castom now em important tru long community?	Of the customary obligations, which would be the most important obligations that supersedes other obligations
Marriage	Marriage
Funerals	Funerals
Compensation	Compensation
Feasting	Feasting
Church	Church
You have now reached the end of this form, please check and make sure you have completed all the questions appropriately. If so select 'complete' below followed by the finish button. If form is not complete, please go back and finish all required questions or save the form as incomplete to be returned to at a later time.	You have now reached the end of this form, please check and make sure you have completed all the questions appropriately. If so select 'complete' below followed by the finish button. If form is not complete, please go back and finish all required questions or save the form as incomplete to be returned to at a later time.

Men 15yrs+

Men were asked similar questions to women in most categories except for the questions outlined below.

Fertiity/Birth History	Fertiity/Birth History
Nau mi laik askim yu long ol pikinini yu gat long laip bilong yu. Mi laik save long olgeta pikinini yu kamapim. Maski yu bin kamapim wantaim ol narapela meri o ol ino yusim las nem bilong yu. Yu bin kamapim pikinini wantaim ol narapela meri?	Now I Would Like To Ask About All The Children You Have Had In Your Life. I Am Interested In All Of The Children That Are Biologically Yours, Even If They Are Not Legally Yours Or Do Not Have Your Last Name. Have You Ever Fathered Any Children With Any Woman?
Yes	Yes
Nogat	No
No save	Don't Know
Hamas yia bilong yu taim yu bin kamapim namba wan pikinini bilong yu. (Raitim Krismas long yia)	How old were you when your first child was born? (record age in years)
Child living with	Child living with
Long ol pikinini yu bin kamapim, pikinini meri o pikinini man stap wantaim yu nau	Do You Have Any Sons Or Daughters To Whom You Have fathered Who Are Now Living With You?
Yes	Yes
Nogat	No
Hamas pikinini man stap wantaim yu nau	How Many Sons Live With You?
Hamas pikinini meri stap wantaim yu nau	How Many Daughters Live With You?
Child not living with	Child not living with
Long ol pikinini yu bin kamapim, igat ol pikinini meri o pikinini man ino	Do You Have Any Sons Or Daughters thatYou Have fathered

stap wantaim yu nau	Who Are Alive But Do Not Live With You?
Yes	Yes
Nogat	No
Hamas pikinini man stap laip tasol ino stap wantaim yu nau	How Many Sons Are Alive But Do Not Live With You?
Hamas pikinini meri stap laip tasol ino stap wantaim yu nau	How Many Daughters Are Alive But Do Not Live With You?
Child Died	Child Died
Long ol pikinini yu bin karim, igat pikinini meri o pikinini man bin dai bihiain long taim yu karim em pinis?	Have You Ever fathered A Boy Or Girl Who Was Born Alive But Later Died?
Yes	Yes
Nogat	No
Hamas pikinini man i dai	How Many Boys Have Died?
Hamas pikinini meri i dai	How Many Girls Have Died?
Bilong sekim tasol ol stori yu givim em i stret. Yu gat (<code><output value="/Bougainville_Survey_menform/fertiity_birth_history/group_had_children/total_Children"/></code>) pikinini long laif bilong yu?	Just To Make Sure That I Have This Right, You Have Had In Total (<code><output value="/Bougainville_Survey_menform/fertiity_birth_history/group_had_children/total_Children"/></code> Live Births During Your Life. Is This Correct?
Sapos ol stori ino stret, yu go bek na stretim gen	If this number is not correct please go back and check previous questions
Yes	Yes
Nogat	No
Olgeta pikinini yu bin kamapim, ol ikamap long wanpela meri tasol?	Did all the children you have fathered have the same biological mother?
Yes	Yes
No	No
Hamaspela meri olgeta yu bin kamapim pikinini wantaim	In total, how many women have you fathered children with?
Long ol pikinini yu bin kamapim, wanem taim yu kamapim laspela pikinini	Of these births you have fathered, when was the last one born(even if he or she died)?
Mun	Month?
Sapos olo no save lo yia ol bin karim pikinini yu gas.	If don't know estimate
January	January
February	February
March	March
April	April
May	May
June	June
July	July
August	August
September	September
October	October
November	November
December	December
Yia	Year?
Year must be greater than 1915 and equal to or less than 2017	Year must be greater than 1915 and equal to or less than 2017
What is your Child's age ?	What is your Child's age ?
Less than 2 years	Less than 2 years
2-5 years	2-5years
5-10 years	5-10 years
10-15 years	10-15 years

15-20 years	15-20 years
20-25 years	20-25 years
25yrs and over	25yrs and over
21-30pela krismas	21-30 Yrs
30 o moa krismas	30 + Years
anarit lo 10pela krismas	11 To 20 Yrs
11-20pela krismas	21-30 Yrs
21-30pela krismas	30 + Years
Women 15-49yrs	
Plis yu askim husait yu interviewim lo raitim OK lo soim olsem em hamamas lo stap lo dispel sevei. Supos em ino laik stop nau.	**Please ask respondent to whether they are willing to participate in the survey. If they do not consent you must stop the survey.**
yes	yes
Nogat	no
Yu inap lo go het lo ol askim nau o nogat	**Is it ok to go ahead with asking the questions?***
Yes	Yes
Nogat	No
Result of Survey	Result of Survey
Nogat man lo haus o nogat man/meri husait inap lo mekim interview lo taim yu go lo haus	Not household member or no competent respondent at home at time of visit
Famili no stap lo haus longpela taim nau	Entire household absent for extended period of time
Ino laik lo mekim interview	Refused
Famili lusim haus olgeta	Dwelling vacant/Address not at dwelling
Haus I baragap lo flood or guria o paia	Dwelling destroyed
Haus ino mo stap	Dwelling not found
Narapla	Other
Plis tok aut lo wanem as	Other Specify
Lo displa fom mipla bai askim yu lo helt blo yu yet na stap gut blo yu	In this form we will ask you about your personal health and wellbeing.
Nau mi laik askim yu lo hamas pikinini yu bin karim lo laip bilong yu	Now I Would Like To Ask About All The Births You Have Had During Your Life.
Yu bin save karim pikinini bipo	Have You Ever Given Birth?
Yes	Yes
No	No
Long sait bilong yu kisim bell	Fertiity/Birth History
Births - living with	Births - living with
Long ol pikinini yu bin karim, pikinini meri o pikinini man stap wantaim yu nau	Do You Have Any Sons Or Daughters To Whom You Have Given Birth Who Are Now Living With You?
Yes	Yes
No	No
Hamas pikinini man stap wantaim yu nau	How Many Sons Live With You?
Hamas pikinini meri stap wantaim yu nau	How Many Daughters Live With You?
Births- not living with	Births- not living with
Long ol pikinini yu bin karim, igat ol pikinini meri o pikinini man ino stap wantaim yu nau	Do You Have Any Sons Or Daughters To Whom You Have Given Birth Who Are Alive But Do Not Live With You?
Yes	Yes
No	No
Hamas pikinini meri stap laip tasol ino stap wantaim yu nau	How Many Daughters Are Alive But Do Not Live With You?
Hamas pikinini man stap laip tasol ino stap wantaim yu nau	How Many Sons Are Alive But Do Not Live With You?

Births- died	Births- died
Long ol pikinini yu bin karim, igat pikinini meri o pikinini man bin dai bihiain long taim yu karim em pinis?	Have You Ever Given Birth To A Boy Or Girl Who Was Born Alive But Later Died?
Yes	Yes
No	No
Hamas pikinini man i dai	How Many Boys Have Died?
Hamas pikinini meri i dai	How Many Girls Have Died?
Number of births check	Number of births check
Bilong sekim tasol ol stori yu givim em i stret. Yu gat (<output value="/Bougainville_survey_womenform/group_birth_history/total_birth_calc"/>) pikinini	Just To Make Sure That I Have This Right, You Have Had In Total (<output value="/Bougainville_survey_womenform/group_birth_history/total_birth_calc"/>) Live Births During Your Life. Is This Correct?
Yes	Yes
No	No
Nau bai mi raitim nem bilong olgeta pikinini yu bin karim, displa ol i stap laip o displa tu ol i bin dai	Now I Would Like To Record The Names Of All Of Your Births, Whether Still Alive Or Not, Starting With The First One You Had.
birth history	birth history
Wanem nem bilong pikinini	What Name Was Given To Your Baby?
Displa pikinini yu karim em wanpla o twins	Did you give birth to twins or a single baby?
Single	Single
Multiple	Multiple
Dispela pikinini em man o meri	Is <output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> Male Or Female?
Man	Male
Meri	Female
Wenem krismas nam mun yu bin karim displa pikinini	In What Month And Year Was <output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> Born? Probe: What Is His/Her Birthday?
Sapos olo no save lo yia ol bin karim pikinini yu gas.	If person does not know their day of birth estimate
Raitim ol nem bilong pikinini stat long displa bin bon pas igo daun long laspela	Children must be ordered from oldest to youngest. Date of birth must be later than previous child.
What is your Child's age ?	What is your Child's age ?
Less than 2 years - 2-5 years - 5-10 years 10-15 years 15-20 years 20-25 years- 25 yrs+ce1	Less than 2 years - 2-5 years - 5-10 years 10-15 years 15-20 years 20-25 years- 25 yrs+ce1
2-5 years	2-5years
5-10 years	5-10 years
10-15 years	10-15 years
15-20 years	15-20 years
20-25 years	20-25 years
25yrs and over	25yrs and over
Displa Pikinini em istap yet	Is <output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> still alive?
Yes	Yes
No	No
Displa pikinin dai pinis	child_died
Displa pikinin bin hamas krismas <output value="/Bougainville_survey_womenform/birth_history/name_of_baby	How old in years was <output value="/Bougainville_survey_womenform/birth_history/nam

"/>na em i dai Sapos 1pela yia, hamas mun<output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> taim em I dai? Raitim hamaspela dai supos aninit long 1pela mun o raitim bekim long mun supos aninit long 2pela yia. Na lusim ol narapla istap nating.	e_of_baby"/> when he/she died? If 1 year, Probe: How Many Months Old Was <output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/>? Record answer in days if less than 1 month or record answer in months if less than 2 years. then leave the other options blank
Hamas mun bilong pikinini na em i dai	How many months old?
Hamas dei bilong pikinini na em i dai	How many days old?
<output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> is <output value="/Bougainville_survey_womenform/birth_history/baby_age_calc_1"/> yrs Sekim sapos ol stori i steret	<output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> is <output value="/Bougainville_survey_womenform/birth_history/baby_age_calc_1"/> yrs old. Is that correct?
Sapos ol stori ino steret, yu go bak na steret gen	If this is not correct please go back and check this child's date of birth
Yes	Yes
No	No
Displa pikinini stap wantem yu	Is <output value="/Bougainville_survey_womenform/birth_history/name_of_baby"/> Living With You?
Yes	Yes
No	No
Displa meri I bin karim pikinini insait long dispela tupela yai igo pinis. Ol iken go insait nau long ol displa kwesten. Yu gat tingting na laik long karim gen. Helt bilong mama na helt biolong pikinini. Sapos ol stori ino steret, yu go bak na steret gen	This woman has had a birth within the last 2 years and is eligible for the following sections - desire for last birth - Maternal and Newborn Health -Postnatal Health Checks If this is not correct please go back and check all the births registered have the correct details
Yes	yes
No	no
Displa ol askim em bilong ol mama i bin karim pikinini insait long displa tupla yia igo pinis	This Module Is To Be Administered To All Women With A Live Birth In The 2 Years Preceding The Date Of Interview.
Taim yu bin bel long las pikinini yu bin hamamas na wanbel wantaim	When You Got Pregnant With last child, Did You Want To Get Pregnant At That Time?
Yes	Yes
No	No
Yu bin laik bel bihain o yu no bin laik gat pikinini olgeta	Did You Want To Have A Baby Later On, Or Did You Not Want Any (More) Children?
bihain	Later
Nogat olgeta	No More
Hamas krismas bihain	How Much Longer Did You Want To Wait?
hamas mun bihain	Months
hamas yia bihain	Years
no save hamas krismas bihain	Don'T Know
hamas mun bihain	How Many Months?
hamas yia bihain	How Many Years?
Displa meri I bin karim pikinini insait long dispela tupela yai igo pinis.	This Module Is To Be Administered To All Women With A Live

Usem nem bilong pikinini	Birth In The 2 Years Preceding The Date Of Interview. Use The Child'S Name In The Following Questions, Where Indicated.
Taim yu bin bel lo laspela pikinini bilong yu, yu bin lukim sampla lain long helt o hausik	Did You See Anyone For Antenatal Care During Your Pregnancy With your last child ?
Yes	Yes
No	No
Wanem kain halivim oli givim yu	Antenatal Care
Wanem kain halivim oli givim yu	Whom Did You See? Probe: Anyone Else?
Yu lukim dokta	A Doctor
Yu lukim nes	Nurse
Yu lukim sampla lain husait save halivim lo karim (midwife)	Midwife
Helper	Auxiliary Midwife
Yu lukim ol mama tasol long ples	Traditional Birth Attendant
Yu lukim Komuniti helt wok man/meri	Community Health Worker
Narapla	other_antenatal_provider
Tokaut long narapla	Other (Specify)
Antenatal care	Antenatal care
Taim yu bel hamas wik o mun bihain na yu go lukim ol lain long kisim halivim	How many weeks or months pregnant were you when you received antenatal care for this pregnancy?
Taim yu kisim halivim, bihain lo wik o bihain lo mun	Was that duration weeks or Months?
Wik	Weeks
Mun	Months
Hamas taim yu bin kamap lo klinik long kisim halivim	How Many Times Did You Receive Antenatal Care During This Pregnancy?
Taim yu bin kamap lo klinik, wanem ol samting ol I sekim yu lo en?	As Part Of Your Antenatal Care During This Pregnancy, Were Any Of The Following Done At Least Once: Select All That Apply
Ron blo blut (Blood pressure)	Was Your Blood Pressure Measured?
Yu bin givim pispis bilong sekim?	Did You Give A Urine Sample?
Yu bin giveim blut bilong sekim?	Did You Give A Blood Sample?
none	None of the above
Yu gat helt buk i soim ol sut yu bin kisim? Inap mi lukim helt buk?	Do You Have A Card Or Other Document With Your Own Immunisations Listed?May I See It Please?
Yes yu lukim helt buk	Yes (Card Seen)
Yes tasol yu no lukim helt buk	Yes (Card Not Seen)
No	No
No save	Don'T Know
Taim yu gat bel long las pikinini yu bin kisim sut lo han bilong banisim o lo kainkain sik (Tetanus) bilong bebi?	When You Were Pregnant With your last child, Did You Receive Any Injection In The Arm Or Shoulder To Prevent The Baby From Getting Tetanus, That Is Convulsions After Birth?
Yes	Yes
No	No
No save	Don'T Know
Hamas taim yu kisim dispela kain sut	How Many Times Did You Receive This Tetanus Injection During Your Pregnancy With your last child ?
Yu bin kisim dispela sut bipo long yu bin kisim bel	Did You Receive Any Tetanus Injection At Any Time Before Your Pregnancy With (Name), Either To Protect Yourself Or Another Baby?
Yes	Yes
No	No

No save	Don'T Know
Hamas taim yu kisim dispela kain sut	How Many Times Did You Receive A Tetanus Injection Before Your Pregnancy With your last child ?
Hamas yia igo pinis yu bin kisim dispela kain sut	How Many Years Ago Did You Receive The Last Tetanus Injection Before Your Pregnancy With your last child?
Long taim yu bin bel laspela pikinini yu bin kisim sampela marasin bilong banisim sik malaria	During (Any Of) Your Antenatal Visit(S) For The Pregnancy With last child , Did You Take Any Medicine In Order To Prevent You From Getting Malaria?
Yes	Yes
No	No
No save	Don'T Know
Yes mi kisim marasin bilong banisim sik malaria	Malaria medication yes
Wanem kain marasin tru yu kisim bilong banisim sik malaria	Which Medicines Did You Take To Prevent Malaria?
Sulfadoxine-pyrimethamine / Fansidar	Sulfadoxine-pyrimethamine / Fansidar
Chloroquine	Chloroquine
Narapla malaria marasin	Other malaria medication
No save	Don't know
Long taim yu bin bel long laspela pikinini, hama taim tru yu bin kisim ol marasin bilong banisim sik malaria. Yu kautim wantaim olgeta marasin yu bin kisim long hausik na long ol narapla hap tu.	During Your Pregnancy With (last child), How Many Times Did You Take this tablet In Total? Please Include All That You Obtained Either During An Antenatal Care Visit, During A Visit To A Health Facility Or From Another Source?
Husait ol ibin halivim yu long karim laspela pikinini. Kolim husait ol stret ibin halivim yu long karim. Sapos nogat lain ibin halivim yu long taim yu karim, ibin igat ol bikpla man/meri stap wantaim yu.	Who Assisted With The Delivery Of (last child)?Probe: Anyone Else? Probe For The Type Of Person Assisting And Select All Answers Given. If Respondent Says No One Assisted, Probe To Determine Whether Any Adults Were Present At The Delivery.
Dokta	Doctor
nes	Nurse
Yu lukim sampla lain husait save halivim lo karim (midwife)	Midwife
Helper	Auxiliary Midwife
Meri ino bin skul nes tasol em save halivim ol mama long karim long ples	Traditional Birth Attendant
Community Health Worker	Community Health Worker
Wanples/Wantok o poromeri	Relative / Friend
Narapla	Other person
Nogat man o meri	No One
Narapla	Other (Please Specify)
Yu bin karim laspela pikinini bilong yu lo wanem hap? Sapos yu save long wanem kain hap yu bin karim?	Where Did You Give Birth To your last child? Probe To Identify The Type Of Source. If Unable To Determine Whether Public Or Private, Write The Name Of The Place.
Ples	Respondent'S Home
Haus blo narapla	Other Home
Gavaman hausik	Government Hospital
Gavaman Helt Senta	Government Clinic / Health Centre
Gavaman Aid Post	Government Health Post
Narapla kain pablik hausik	Other Public (Specify)
Narapla kain private hausik	Private Hospital
Kinik private	Private Clinic

Private Maternity Home	Private Maternity Home
Other Private Medical	Other Private Medical
Narapela	Other
Tokaut long narapela	Other (Please Specify)
Other public facility (please specify)	Other public facility (please specify)
Other private facility (please specify)	Other private facility (please specify)
Long laspela pikinini yu karim, ol I katim bel bilong yu long kisim pikinini	Was (last child) Delivered By Caesarean Section? That Is, Did They Cut Your Belly Open To Take The Baby Out?
Yes	Yes
No	No
Long wanem taim tru ol bin kamapim tingting long ol bai katim yu long kisim pikinini. Bipo lo yu pilim pen ol long taim yu pilim blo karim	When Was The Decision Made To Have The Caesarean Section? Was It Before Or After Your Labour Pains Started?
Bipo	Before
Bihain	After
Dispela laspela pikinini yu bin karim, em bikpla tru, bikpela, namel, , liklik o liklik tru	When (last child) Was Born, Was He/She Very Large, Larger Than Average, Average, Smaller Than Average, Or Very Small?
bikpla tru,	Very Large
bikpela	Larger Than Average
namel	Average
liklik	Smaller Than Average
liklik tru	Very Small
no save	Don'T Know
Hevi blo pikinini taim yu karim	list_weight_at_birth
Dispela laspela pikinini ol bin skelim em tu?	Was (last child) Weighed At Birth?
Yes	Yes
No	No
No save	Don't Know
Hamas hevi blo pikinini long mak blo kilogram. Yu gat helt buk, inap mi lukim?	How Much Did (last child) Weigh In Kilograms?If A Card Is Available, Record Weight From Card.
Yu kisim skel bilong pikinini lo mama o lo helt buk	Record Obtained From
Helt buk	Card
Save bilong mama	Recall
No save	Don'T Know
Sik mun bilong yu I stat bek ken bihain yu karim dispela laspela pikinini?	Has Your Menstrual Period Returned Since The Birth Of (last child)?
Yes	Yes
No	No
Yu bin save givim susu bilong yu yet long dispela pikinini?	Did You Ever Breastfeed (last child)?
Yes	Yes
No	No
Yes susu	yes breastfed
Susu Mama	Breastfeeding
Bihain long yu karim, ikisim yu hamas taim long yu susuim pikinini. Sapos aninit long wanpela aua yu raitim "00". Sapos bihain long wanpela dei yu raitim hamas aua.	How Long After Birth Did You First Put (Name) To The Breast? If Less Than 1 Hour, Record "00" Hours. If Less Than 24 Hours, Record Hours. Otherwise, Record Days.
Bihain stret long yu karim	Immediately
aua	Hours
Dei	Days

No nap tingim	Don'T Remember/Don'T Know
Hamaspela aua	Hours?
Hamaspela dei	Days?
Insait long tripela dei bihain long yu karim pinis, dispela pikinini ibin kisim narapela kain dring, ino susu bilong mama?	In The First Three Days After Delivery, Was (Name) Given Anything To Drink Other Than Breast Milk?
Yes	Yes
No	No
Ol wanem kain drink	Type of other drinks given
Wanem nem bilong dispela drink ol givim pikinini. Na ol wanem kain dring mo	What was given to (name) to drink? Probe: Anything else?
Wara nating	Plain Water
Susu, ino susu mama	Any milk other than breast milk
Narapla kain wara ino susu o wara	Any liquid other than milk or water
Stongpela o meme kaikai	Any solid or mushy food
Narapela kain drink	Other drinks
Narapla	Other (Please Specify)
Displa meri yu tok tok wantaim, em mama tru o mama lukaut bilong ol pikinini aninit long 5pla krismas	Is The Respondent The Mother Or Caretaker Of Any Child Under Age 5?
Yes	Yes
No	No
Sampela taim olo pikinini igat bikpela sik na ol imas kisim ol igo kwik long hausik. Wanem sampela sain o mak yu lukim long pikinini aninit long 5pela krismas na bai yu kisim em igo long hausik. Askim ol sapos igat ol narapla sain o mak gen? Go het yet wantaim askim inap mama inap tingim na toktok mo long wanpela sain o mak. Putim sekol long ol sain o mak mama i kolim. Noken kirapim tingting bilong em wantaim ol tingting bilong yu yet.	Sometimes Children Have Severe Illnesses And Should Be Taken Immediately To A Health Facility. What Types Of Symptoms Would Cause You To Take A Child Under The Age Of 5 To A Health Facility Right Away? Probe: Any Other Symptoms? Keep Asking For More Signs Or Symptoms Until The Mother/Caretaker Cannot Recall Any Additional Symptoms. Circle All Symptoms Mentioned, But Do Not Prompt With Any Suggestions
Pikinini ino nap dring o susu bilong mama	A Child Not Able To Drink Or Breastfeed
Pikinini I wok long sik mo yet	B Child Becomes Sicker
Pikinini skin hot	C Child Develops A Fever
Pikinini I pulim win klostu klostu	D Child Has Fast Breathing
Pikinini I painim hat long pulim win	E Child Has Difficulty Breathing
Pikinini I pekpek blut	F Child Has Blood In Stool
Pikinini pekpek wara	G Child has Diarrhoea
Pikinini tingting na toktok paul	Child is lethargic/confused
Pikinini ino dring gut	I Child Is Drinking Poorly
Nerapla	other
No save	dont know
Tokaut long narapela	Other (Please Specify)
Mi laik toktok wantaim yu long samting ol kolim Famili Planing, Yu gat bel nau?	I Would Like To Talk With You About Another Subject – Family Planning. Are You Pregnant Now?
Yes	Yes
No	No

No save	Unsure/Don'T Know
Olo marit I save painim ol kainkain rot bilong aburusim bel o surukim taim bilong meri lo kisim bel. Yutupla I bihainim sampela kain rot long aburusim o surukim taim bilong kisim bel?	Couples Use Various Ways Or Methods To Delay Or Avoid A Pregnancy.Are You Currently Doing Something Or Using Any Method To Delay Or Avoid Getting Pregnant?
Yes	Yes
No	No
Na bipo yutupela inbin save bihainim sampela kain rot long aburusim o surukim taim bilong kisim bel?	Have You Ever Done Something Or Used Any Method To Delay Or Avoid Getting Pregnant?
Yes	Yes
No	No
Na watpo yutupela ino save bihainim sampela kain rot long aburusim o surukim taim bilong kisim bel?	Why Aren'T You Currently Using Any Method To Avoid Or Delay Getting Pregnant?
Bel	Pregnant
laikim pikinini	Wants Children
man ino laik	Partner Opposed
dia tumas	Costs Too Much
ol narapela bagarap istap	Side Effects/Health Concern
I had long bihainim	Hard To Get Methods
sait bilong lotu	Religion
Aburusim taim bilong kisim sikmun	Menopause/Hysterectomy
ino marit	Not Married
narapla	Other
Tokaut long narapela	Other (Please Specify)
Long nau yah, yutupla bihainim wanem rot long aburusim o surukim taim bilong kisim bel?	What Are You Doing To Delay Or Avoid A Pregnancy? Do Not Prompt. Select All Methods Mentioned
Pasim bel long hausik (TL)	A Female Sterilization
Pasim wara bilong man lo hausik	B Male Sterilization
Loop	C Iud
Sut	D Injectables
Putim marasin insait long skin bilong han	E Implants
dring marasin	F Pill
condom bilong man	G Male Condom
condom bilong meri	H Female Condom
Diaphragm	I Diaphragm
Foam / Jelly	J Foam / Jelly
ovulation method	K Periodic Abstinence / Rhythm
man kapsait arasait	L Withdrawal
Tokaut long narapela	X Other (Specify)
Tokaut long narapela	Other (Please Specify)
Nau mi laik toktok wantaim yu long dispela bel yu gat nau. Taim yu stat kisim bel yu bin pilim hamamas?	Now I Would Like To Talk To You About Your Current Pregnancy. When You Got Pregnant, Did You Want To Get Pregnant At That Time?
Yes	Yes
No	No
Yu bin laik bel bihain o yu no bin laik gat pikinini olgeta	Did You Want To Have A Baby Later On Or Did You Not Want Any (More) Children?
bihain	Later
Nogat olgeta	No More
Nau mi laik askim long sampla samting biolong bihain taim. Bihain long dispela pikinini bai yu karim, yu gat tingting long gat narapela pikinini	Now I Would Like To Ask Some Questions About The Future. After The Child You Are Now Expecting, Would You Like To

ken o yu no laik.	Have Another Child, Or Would You Prefer Not To Have Any More Children?
Gat narapela pikinini	Have Another Child
Nogat moa	No More/None
No save yet	Undecided/Don'T Know
Nau mi laik askim long sampla samting biolong bihain taim. Bihain long dispela pikinini bai yu karim, yu gat tingting long gat narapela pikinini ken o yu no laik.	Now I Would Like To Ask You Some Questions About The Future. Would You Like To Have (A/Another) Child, Or Would You Prefer Not To Have Any (More) Children?
Gat narapela pikinini	Have Another Child
Nogat moa	No More/None
em I tok em bai ino nap bel gen	Says Cannot Get Pregnant
No save yet	Undecided/Don'T Know
Tingting redi long narapela pikinini	Plan for next child
Yu tingting lo hamas taim moa ba yu ken weit bipo yu gat narapela pikinini	How Long Would You Like To Wait Before The Birth Of (A/Another) Child? Record The Answer As Stated By Respondent.
mun	Months
yia	Years
Ino laik weit longpela taim	Does Not Want To Wait (Soon/Now)
em I tok em bai ino nap bel gen	Says She Cannot Get Pregnant
bihain lo marit	After Marriage
No save	Don'T Know
Raitim hamas mun	Record Number Of Months
Raitim hamas yia	Record Number Of Years
Taim yu laik kisim bel, yu ting bodi bilong yu I redi long gat bel nau	Do You Think You Are Physically Able To Get Pregnant At This Time?
Yes	Yes
No	No
No save	Don'T Know
Wanem taim yu bin lukim las sikmun bilong yu	When Did Your Last Menstrual Period Start? Record The Answer Using The Same Unit Stated By The Respondent.
hamas dai igo pinis	Days Ago
hamas wik igo pinis	Weeks Ago
hamas mun igo pinis	Months Ago
hamas krsimas igo pinis	Years Ago
Aburusim taim bilong kisim sikmun	In Menopause / Has Had Hysterectomy
bipo long las karim pikinini	Before Last Birth
ino save sikmun	Never Menstruated
Raitim hamas dei	Record Number Of Days
Raitim hamas wik	Record Number Of Weeks
Raitim hamas mun	Record Number Of Months
Raitim hamas yia	Record Number Of Years
Pait insait long hauslain	Domestic Violence
Sampla taim man o meri bel hevi long sampela pasin narapela bilong em I kamapim. Long tingting bilong yu man o meri I belhat na paitim narapela bilong em long ol dispela kain pasin:	Sometimes a husband or wife is annoyed or angered by things that his/her partner does. In your opinion, is a husband/wife justified in hitting or beating their partner in the following situations:

	Select all that apply.
Sapos man o meri igo long sampela hap na ino toksave	If he/She Goes Out Without Telling Him?
Sapos man o meri ino lukautim ol pikinini	If he/She Neglects The Children?
Sapos wanpela I korosim narapela	If he/She Argues With Him?
Sapos wanpela I les long silip wantaim narapela	If he/She Refuses To Have Sex?
Sapos wanpela long tupela I kukim kaikai na I paia	If he/She Burns The Food?
Ol narapela pasin we wanpela I ting em I orait long em I paitim narapela	Other reasons in which it is justified to hit partner
No Reason	No Reason
Narapla	Other Specify
Nau mi laik toktok long yu lo sik AIDS. Yu bin haram stori lo sik AIDS	Now I Would Like To Talk With You About Something Else. Have You Ever Heard Of An Illness Called AIDS?
Yes	Yes
No	No
Yu kisim save lo sik AIDs long wanem hap?	From Which Sources Of Information Have You Learned Most About AIDS?
radio	Radio
Tv	Tv
nuspepa	newspapers_magazines
poster	pamphlets_posters
woklain boling helt	Health Workers
lotu/misin	Churches
skul tisa	Schools/Teachers
komuniti miting	Community Meetings
poro o famili memba	Friends/Relatives
ples bilong wok	Workplace
Narapela	Other (Specify)
Tokaut long narapela	Other (Please Specify)
	Is There Anything A Person Can Do To Avoid Getting AIDS Or The Virus That Causes AIDS?
igat sampla rot bai yu bihainim long banisim yu yet long sik AIDS?	
Yes	Yes
No	No
no save	Don'T Know
Wanem pasin bai ol man mrei mekim lo pasim sik AIDS	What Can A Person Do? Record All Mentions
Safe sex	Safe Sex
No sex	Abstain From Sex
yusim condoms	Use Condom
No ken slip wantaim pamuk man o meri	Avoid Sex With Prostitutes
Man noken silp wantaim man na meri noken slip wantain meri	Avoid Sex With Homosexuals
No ken kisim blut bilong narapla man o meri taim yu sot long blut	Avoid Blood Transfusions
Noken kisim sut long ol nil ol i yusim pinis	Avoid Use Of Reusable Needles For Injections
Noken kaikai maus	Avoid Kissing
Noken larim mosquito kaikaim yu	Avoid Mosquito Bite
Painim halivim long ol man save yusim kastam lo pasin sik	Seek Protection From Traditional Healer
Narapla	Other(Specify)
Tokaut long narapela	Other (Please Specify)
Birth in the last 2 years and received ANC	Birth in the last 2 years and received ANC
Taim yu gat bel long las pikinini na yu go lo klinik Mi no wok lo askim yu	But Were You Tested For The AIDS Virus As Part Of Your

long save long risalt bilong test tasol ol ibin testim yu o nogat.	Antenatal Care?
Yes	Yes
No	No
No save	Don'T Know
Mi no wok lo askim yu long save long risalt tasol ol I bin testim yu taim yu pilim pen na go long hausik, bipo long yu karim pikinini	I Don'T Want To Know The Results, But Were You Tested For The AIDS Virus Between The Time You Went For Delivery But Before The Baby Was Born?
Yes	Yes
No	No
Mi no wok lo askim yu long save long risalt tasol ol I givim yu long risalt bilong test.	I Don'T Want To Know The Results, But Did You Get The Results Of The Test?
Yes	Yes
No	No
Bihain long taim yu karim pinis yu bin kisim gen test blong HIV/AIDS?	Have You Been Tested For The AIDS Virus Since That Time You Were Tested During Your Pregnancy?
Yes	Yes
No	No
Wanen em last taim yu kisim AIDS test?	When Was The Most Recent Time You Were Tested For The AIDS Virus?
ananit long displa 12pela mun igo pinis	Less Than 12 Months Ago
Namel long 12-23 mun igo pinis	12-23 Months Ago
Moa long tupea yia go pinis	2 Or More Years Ago
Mi no wok lo askim yu long save long risalt tasol ol I bin testim yu wanpela taim bipo	I Don'T Want To Know The Results, But Have You Ever Been Tested To See If You Have The AIDS Virus?
Yes	Yes
No	No
Wanen em last taim yu kisim AIDS test?	When Was The Most Recent Time You Were Tested?
ananit long displa 12pela mun igo pinis	Less Than 12 Months Ago
Namel long 12-23 mun igo pinis	12-23 Months Ago
Moa long tupea yia go pinis	2 Or More Years Ago
Mi no wok lo askim yu long save long risalt tasol ol I givim yu long risalt bilong test.	I Don'T Want To Know The Results, But Did You Get The Results Of The Test?
Yes	Yes
No	No
No save	Don'T Know
Yu save long hap we ol man meri iken go kisim AIDS test	Do You Know Of A Place Where People Can Go To Get Tested For The AIDS Virus?
Yes	Yes
No	No
Nau mi laik askim yu long sampla kain halivim o test yu bin kisim pinis	Now I Would Like To Ask You About Some Of The Kinds Of Medical Care Or Tests That You May Have Received.
Wanem laspela taim dokta o nes i sekim rot bilong pikinini.	When Was The Last Time You Had A Pelvic Examination, If Ever? (By Pelvicexamination, I Mean When A Doctor Or Nurse Examined Your Vagina And Examination, I Mean When A Doctor Or Nurse Examined Your Vagina And Uterus?)
Insait long dispela 3pela yia igo pinis?	Within The Last 3 Years
Namel long 4pela o 5pela yia igo pinis	4-5 Years Ago
Mo long 5pela yia igo pinis	More Than 5 Years Ago
Ino bin gat wanpela sekap olgeta	Never Had An Examination
No save	Do Not Know

Wanem laspela taim dokta o nes i sekim rot bilong pikinini, em sigirapim insait long rot bilong pikinini long testim.	The Last Time You Had The Pelvic Examination, Did You Have A Pap Smear Test?(By Pap Smear Test, I Mean Did A Doctor Or Nurse Use A Swab Or Stick To Wipe From Inside Your Vagina, Take A Sample And Send It To A Laboratory?)
Yes	Yes
No	No
No save	Don't Know
Wanem em las taim ol I X-rayim susu bilong yu long painim kwik cancer	When Was The Last Time You Had A Mammography, If Ever? (That Is, An X-Ray Of Your Breasts Taken To Detect Breast Cancer At An Early Stage.)
Insait long dispela 3pela yia igo pinis?	Within The Last 3 Years
Namel long 4pela o 5pela yia igo pinis	4-5 Years Ago
Mo long 5pela yia igo pinis	More Than 5 Years Ago
Ino bin gat wanpela sekap olgeta	Never Had An Examination
no save	Do Not Know
Yu bin traime long simut bipo, maski wanpela o tupela taim yu pulim. Yu bin traime kaikai buai o dring spak wara	Have You Ever Tried Cigarette Smoking, Even One Or Two Puffs?
Yes	Yes
No	No
Hamas krismas bilong yu taim yu bin pinisim wanpla smok	How Old Were You When You Smoked A Whole Cigarette For The First Time?
Ananit long 10pla yia	Less Than 10
Namel long 11pela o 20pela yia	11 To 20 Yrs
Namel long 21pela o 30pela yia	21-30 Yrs
Mo long 30pela yia	30 + Years
Yu save smok nau	Do You Currently Smoke Cigarettes?
Yes	Yes
No	No
Hamaspla smok yu smokim insait long 24 aua	In The Last 24 Hours, How Many Cigarettes Did You Smoke?
Hamas smok yu smokim insait long 1pla mun	During The Last One Month, On How Many Days Did You Smoke Cigarettes?
nogat	None
Namel long 1pla dei o 9pla dei	1 To 9
Namel long 10pla dei tasol ananit long 1pela mun	10 Days Or More But Less Than 1 Month
Olgata dei o klostu olgata dei	Everyday/ Almost Everyday
Yu save kaikai buai. Sapos yes hamaspela buai long 1pela dei	Do You Currently Chew Buai? If yes how many nuts per day?
1pla buai long 1pla dei	1 nut a Day
2-3pela buia long 1pla dei	2-3 nuts A Day
Mo long 5pela buia long 1pla dei	More Than 5 nuts a day
yes tasol ino olgeta dei	Yes But Not Daily
nogat olgeta	No Not At All
Hamas krismas bilong yu taim yu bin stat kaikai buai	How Old Were You When You First Started Chewing Buai?
ananit lo 10pela krismas	Less Than 10
11-20pela krismas	11 To 20 Yrs
21-30pela krismas	21-30 Yrs
30 o moa krismas	30 + Years
Yu bin traime smok ol narapla smok (Spear stick, burros, Cigars, Water Pipe, Cigarillos Or Pipe?)	Have You Ever Tried Any Smoked Tobacco Products Other Than Cigarettes, Such As Cigars, Water Pipe, Cigarillos Or

	Pipe?
Yes	Yes
No	No
group_other_tobacco_yes	group_other_tobacco_yes
Hamas narapla smok yu smokim insait long 1pla mun	During The Last One Month, Did You Use Any Smoked Tobacco Products?
Yes	Yes
No	No
Wanem ol narapela smok yu smokim long las mun?	What Type Of Smoked Tobacco Product Did You Use Or Smoke During The Last One Month? Circle All Mentioned.
Cigars	Cigars
Spear Stick	Spear Stick
Burus	Burus
Cigarillos	Cigarillos
Pipe	Pipe
Other tobacco product	Other tobacco product
Other (Please Specify)	Other (Please Specify)
Hamas smok yu smokim insait long 1pla mun	During The Last One Month, On How Many Days Did You Use Smoked Tobacco Products?
1-9pla dei	1 To 9
Namel long 10pla dei tasol ananit long 1pela mun	10 Days Or More But Less Than 1 Month
Olgata dei o klostu olgata dei	Everday/ Almost Everyday
Yu bin simukim spak brus bifo?	Have you ever smoked marijuana?
nogat olgeta	Never
nogat	rarely
sampla taim	sometimes
olgeta dei	Daily
Nau mi laik askim yu long sampla tok tok long alcohol. Yu bin save dring alcohol?	Now I Would Like To Ask You Some Questions About Drinking Alcohol. Have You Ever Drunk Alcohol?
Yes	Yes
No	No
group_alcohol_yes	group_alcohol_yes
Kautim wanpela alochol drink olsem wanpela ken o botol bia, liklik botol home brew o wanpela mix strongpela drink (whiskey). Hamas krismas bilong yu taim yu bin dringim alcohol, ino liklik tasol.	We Count One Drink Of Alcohol As One Can Or Bottle Of Beer, One Glass Of Wine, Or One Shot Of Cognac, Vodka, Whiskey Or Rum. How Old Were You When You Had Your First Drink Of Alcohol, Other Than A Few Sips?
ananit lo 10pela krismas	Less Than 10
11-20pela krismas	11 To 20 Yrs
21-30pela krismas	21-30 Yrs
30 o moa krismas	30 + Years
Long hamaspla dei long las mun yu bin dring sampla alcohol?	During The Last One Month, On How Many Days Did You Have At Least One Drink Of Alcohol?
nogat olgeta	None
1-9pla dei	1 To 9
Namel long 10pla dei tasol ananit long 1pela mun	10 Days Or More But Less Than 1 Month
Olgata dei o klostu olgata dei	Everday/ Almost Everyday
long ol deis long las mun wea yu bin dring alcohol yu bin dring hamas alcohol long wanpla dei?	In The Last One Month, On The Days That You Drank Alcohol, How Many Drinks Did You Usually Have Per Day?
Nau mi laik toktok long yu long helt toktok we yu bin bungim na ol halivim yu bin kisim taim yu bin bungim ol dispela helt problem.	Read To Respondents: Now I Would Like To Read To You Questions About Some Health Problems Or Health Care Needs

	That You May Have Experienced, And The Treatment Or Medical Care That You May Have Received.
Joint pen	Arthritis
Ol helt o hausik lain ibin sekim yu na tokim yu olsem yu gat sik blo Joint pen.	Have You Ever Been Diagnosed With Arthritis (A Disease Of The Joints)?
Yes	Yes
Nogat	No
Mi no save	Don'T Know
Sapos yu bin gat joint pen, ol bin toktok o givim yu sampela marasin?	Have You Ever Been Treated For It?
Yes	Yes
Nogat	No
No save	Don't Know
Yu bin kisim sampela marasin o halivim long joint pen insait long las 2pela wik?	Have You Been Taking Any Medications Or Other Treatment For It During The Last 2 Weeks?
Yes	Yes
No	No
Joint pen	Arthritis
Insait long las yia yu bin pilim joint pen?	During The Last 12 Months, Have You Experienced Any Of The Following:
Pen long joint, had long muvim joint, solap o solap long joint (long han o lek) taim yu no bin bamim, pundaun o long pait na stap inap wampela mun.	Pain, Aching, Stiffness Or Swelling In Or Around The Joint (Like Arms, Hands, Legs Or Feet) Which Were Not Related To An Injury And Lasted For More Than A Month ?
Yes	Yes
nogat	No
Hat long muvim joint (lek o han) taim yu kirap long bet long moning o bihain long yu slip malolo	Stiffness In The Joint In The Morning After Getting Up From Bed, Or After Along Rest Of The Joint Without Movement ?
yes	Yes
nogat	No
Taim pen long joint. Makim ol taim	How Long Does This Stiffness Last?Read Choices And Mark As Appropriate
30pela o aninit long 30pela minit	About 30Mins Or Less
Moa long 30pela minit	More Than 30 Mins
Pen long joint l pinis taim yu mekim exercise o taim yu muvim joint	Does This Stiffness Go Away After Exercise Or Movement In The Joint?
Yes	Yes
Nogat	No
Yu pilim baksait pen insait long las 30pela dei?	Have You Experienced Back Pain (Including Disc Problems) During The Last30 Days
Yes	Yes
Nogat	No
Displa 1pla mun igo pinis yu bin gat baksait pen tu?	How Many Days Did You Have This Back Pain During The Last 30 Days?
Ol l bin sekim yu tu long sampla pen ikamap long bros long hankais	Have You Ever Been Diagnosed With Angina Or Angina Pectoris (A Heartdisease)?
Yes	Yes
Nogat	No
Yu bin kisim sampela marasin o havilim tu long en?	Have You Ever Been Treated For It?
Yes	Yes
Nogat	No

Yu bin kisim sampela marasin o havilim tu insait long dispela laspela tupela wik?	Have You Been Taking Any Medications Or Other Treatment For It During The Last 2 Weeks?
Yes	Yes
Nogat	No
Insait long dispela 12pela mun igo pinis, yu bin pilim boros pen long han kais bilong yu tu?	During The Last 12 Months, Have You Experienced Any Of The Following:
Pilim pen o pilim nogut long boros bilong yu taim yu wokabaut igo antap long mauten o taim yu wokabaut hariap?	Pain Or Discomfort In Your Chest When You Walk Uphill Or Hurry?
Yes	Yes
Nogat	No
No save wokabaut ingo antap long mauten o wokabaut hariap	Never Walks Uphill Or Hurries
Pilim pen o pilim nogut long boros bilong yu taim yu wokabaut long stretpela rot o taim yu no wokabaut hariap?	Pain Or Discomfort In Your Chest When You Walk At An Ordinary Pace On Level Ground?
Yes	Yes
No	No
Yu save mekim wanem taim yu pilim pen o pilim hevi long boros bilong yu taim yu wokabaut?	What Do You Do If You Get The Pain Or Discomfort When You Are Walking?Read Choices
Yu stop o yu wokabaut isi	Stop Or Slow Down
Yu kisim marasing na bihain yu wokabaut igo yet	Carry On After Taking A Pain Relieving Medicine That Dissolves In Your Mouth
Yu wokabaut igo yet tasol	Carry On
Sapos yu stop long wokabaut na sanap isi, igat senis ikamap long pen?	If You Stand Still, What Happens To The Pain Or Discomfort?Read Choices
Pen I lus	Relieved
Pen istap yet	Not Relieved
Inap yu soim mi wantem hap long bodi blong yu, yu save pilim pen long en?	Will You Show Me Where You Usually Experience The Pain Or Discomfort?Record All Areas Of Body Mentioned Or Showed
Antap o namel long boros bilong yu?	Upper Or Middle Chest
Tambolo long boros bilong yu?	Lower Chest
Han kais bilong yu	Left Arm
Narapela	Other
Plis tok aut long ol narapela pen ikamap long bodi bilong yu.	Other (Please Specify)
Ol I bin sekim yu tu long sampla sik sotwin	Have You Ever Been Diagnosed With Asthma (An Allergic Respiratorydisease)?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim marasin o sampela halivim tu long sik sotwin?	Have You Ever Been Treated For It?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim sampela marasin blong sotwin o sampela narapela halivim insait long las tupela wik?	Have You Been Taking Any Medications Or Other Treatment For It During The Last 2 Weeks?
Yes	Yes
No	No
No Save	Don'T Know
Asthma	Asthma
Insait long dispela 12pela mun igo pinis, yu bin?	During The Last 12 Months, Have You Experienced Any Of The Following:
Hat long pulim win o taim yu pulim win I pairap olsem wisil	Attacks Of Wheezing Or Whistling Breathing?
Yes	Yes

No	No
Hat long pulim win o taim yu pulim win em pairap olsem wisil taim yu stop long mekim exercise o mekim wok?	Attack Of Wheezing That Came On After You Stopped Exercising Or some other Physical Activity?
Yes	Yes
No	No
Pilim pen o pilim nogut long boros	A Feeling Of Tightness In Your Chest?
Yes	Yes
No	No
Taim yu kirap long moning o long narapela taim, yu pilim pen o pilim nogut long boros	Have You Woken Up With A Feeling Of Tightness In Your Chest In The morning Or Any Other Time?
Yes	Yes
No	No
Ibin gat wanpela taim, yu bin kirap nogut long tait long pulim win long yu taim yu no wok lo exercise or mekim sampela wok.	Have You Had An Attack Of Shortness Of Breath That Came On Without obvious Cause, When You Were Not Exercising Or Doing Some Physical Activity?
Yes	Yes
No	No
Ol I bin sekim yu tu bipo long pasin bilong tingting hevi?	Have You Ever Been Diagnosed With Depression?
Yes	Yes
No	No
No save	Don't Know
Yu bin kisim marasin o sampela halivim tu long tingting hevi?	Have You Ever Been Treated For It?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim sampela marasin long pasin bilong tingting hevin o sampela narapela halivim insait long las tupela wik?	Have You Been Taking Any Medications Or Other Treatment For It During The last 2 Weeks?
Yes	Yes
No	No
No save	Don'T Know
Insait long dispela 12pela mun igo pinis, yu bin?	During The Last 12 Months, Have You Experienced Any Of The Following:
Yu bin lukim sik mun igo planti dei na yu pilim sore, wari.	Have You Had A Period Lasting Several Days When You Felt Sad, Empty Or depressed?
Yes	Yes
No	No
No save	Don'T Know
Ibin gat sampela taim bipo we em I kisim yu planti dei yu no bin gat interest long mekim wok o activity o pasin pilai na poroman wantaim lo manmeri	Have You Had A Period Lasting Several Days When You Lost Interest In Most Things You Usually Enjoy Such As Hobbies, Personal Relationships Or Work?
Yes	Yes
No	No
No save	Don'T Know
Ibin gat sampela taim bipo we ikisim yu planti dei we yu bin pilim olsem strong bilong bodi bilong yu igo daun isi isi na skin I les long mekim wok.	Have You Had A Period Lasting Several Days When You Have Been Feeling your Energy Decreased Or That You Are Tired All The Time?
Yes	Yes
No	No
No save	Don'T Know

Dispela kain filing na pasin, stap wantaim yu moa long tupela wik?	Was This episode [Of Sadness/Loss Of Interest/Low Energy] For More Than 2 Weeks?
Yes	Yes
No	No
Dispela kain filing na pasin, stap wantaim yu insait long wanwan dei na long olgeta dei?	Was This episode [Of Sadness/Loss Of Interest/Low Energy] Most Of The Day,Nearly Every Day?
Yes	Yes
No	No
Long dispela taim, yu no tingting tumas long kaikai	During This episode, Did You Lose Your Appetite?
Yes	Yes
No	No
Long dispela taim, yu bin luksave olsem tingting bilong yu ino wok gut moa?	During This episode, Did You Notice Any Slowing Down In Your Thinking?
Yes	Yes
No	No
Mental Health	Mental Health
Ol I bin sekim yu tu long sampla sik long kuru blong het, sait long kamapim ol tingting na lukim ol samting?	Have You Ever Been Diagnosed To Have A Mental Health Problem Such As Schizophrenia Or Psychosis?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim marasin o sampela halivim ?	Have You Ever Been Treated For It?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim sampela marasin long pasin bilong tingting hevin o sampela narapela halivim insait long las tupela wik?	Have You Been Taking Any Medications Or Other Treatment For It During The last 2 Weeks?
Yes	Yes
No	No
No save	Don'T Know
long las 12pela mun, yu harim sampela man or meri toktok insait long hed bilong yu?	In the last 12 months have you experienced voices in your head telling you what to do?
yes`	yes`
no	no
Ol ibin sekim yu tu long sik suga?	Have You Ever Been Diagnosed With Diabetes (High Blood Sugar)?
Yes	Yes
No	No
No save	Don'T Know
Yu bin kisim sampela kain sut o marasin bilong daunim sik suga insait long las 2pela wik?	Have You Been Taking Insulin Or Other Blood Sugar Lowering Medicationsin The Last 2 Weeks?
Yes	Yes
No	No
No save	Don'T Know
Yu wok long bihanim sampela kain skul long sait bilong wanem ol kain kaikai ba yu kaikaim; wanem ol kain exercise bai yu mekim; na long daunim hevi blong yu sapos yu hevi tumas.	Are You Following A Special Diet, Exercise Regime Or Weight Control Program For Diabetes?
Yes	Yes
No	No
No Save	Don'T Know

Tuberculosis	Tuberculosis
Tuberculosis	Tuberculosis
Insait long dispela 12pela mun igo pinis, yu bin?	During The Last 12 Months, Have You Experienced Any Of The Following:
Kus we ikisim yu mo long 3pela wik?	Cough That Lasted For 3 Weeks Or Longer ?
Yes	Yes
No	No
Taim yu kus yu lukim blut long kus bilong yu?	Have You Had Blood In Your Phlegm Or Have You Coughed Blood?
Yes	Yes
No	No
Insait long dispela 12pela mun igo pinis, yu bin kisim wanpela test bilong sik TB? Olem dokta ikisim spet bilong yu na sekim boros bilong yu long galas o X-rayim boros bilong yu?	In The Last 12 Months, Have You Had A Tuberculosis (Tb) Test? I Mean, Has A Doctor Examined Your Sputum (Taken A Sample Of The Substance Spit Out From A Deep Cough And Sent It To A Laboratory For Analysis) Or Made An Xray Of Your Chest?
Yes	Yes
No	No
Yu bin go long haus sik lo 6pela mun long kisim marasin bilong malaria?	Have you been in hospital to be treated for Malaria in the last 6 months?
yes	yes
nogat	nogat
Mipela i interes moa long save long wanem ol kain marasin istap na wanem wei ol I save yusim. Wanem samting yu tokim nau, bai istap namel long yu me tasol.	We Are Interested In Knowing About The Availability And Use Of Certain Medicines And Drugs. Remember That Whatever Information You Give Me Is Confidential And Will Only Be Used For Research Purposes.
Yu gat sampla marasin istap long haus?	Do You Keep Any Medicines Or Drugs In The House?
Yes	Yes
No	No
List any medicines you currently use	List any medicines you currently use
Wanem em las taim ol helt lain sekim ai bilong yu?	When Was The Last Time You Had Your Eyes Examined By A health Professional?
Insait long laspela 3pela yia	Within The Last 3 Years
4-5 yia	4-5 Years Ago
Moa long 5pela yia	More Than 5 Years Ago
Nogat	Never Had An Examination
No save	Do Not Know
Insait long laspela 5pela yia ol helt lain ibin tokim yu osem igat samting gro na karamapim wanpela o tupela ai wantaim (samting gro n karamapim ai na yu no nap lukim samting)	In The Last 5 Years, Were You Diagnosed With A Cataract In One Or Both Of Your Eyes (That Is, An Opacity In The Lens Of The Eye)?
Yes	Yes
No	No
No save	Don'T Know
Insait long laspela 5pela yia ol helt lain sigirapim ai long rausim samting i gro na karamapim ai?	In The Last 5 Years, Have You Had Eye Surgery To Remove Your Cataract(S)?
Yes	Yes
No	No
Insait long laspela 12pela mun yu no lukim ol samting gut?	During The Last 12 Months, Have You Experienced Cloudy Or Blurry Vision?
Yes	Yes

No	No
No save	Don'T Know
Insait long laspela 12pela mun yu no nap lukluk gut long strongpela lait	During The Last 12 Months Have You Experienced Vision Problems With Light, Such As Glare From Bright Lights, Or Halos Around Lights?
Yes	Yes
No	No
No save	Don'T Know
Nau mi laik askim yu long sampela askim long maus na tit bilong yu	Now I Would Like To Ask You Some Questions About The Condition Of Your Mouth And Teeth.
Insait long laspela 12pela mun yu bin gat sampela asua long maus o tit bilong yu?	During The Last 12 Months, Did You Have Any Problems With Your Mouth And/Or Teeth?
Yes	Yes
No	No
Insait long laspela 12pela mun yu kisim sampela halivim long dentist o narapela helt wok manmeri long asua long maus na tit?	During The Last 12 Months, Did You Receive Any Medical Care Or Treatment From A Dentist Or Other Oral Health Specialist For This Problem With Your Mouth And/Or Teeth?
Yes	Yes
No	No
Wanen kain halivim yu bin kisim long maus na tit bilong yu? Yu nap tokim long wanem samting tru ol mekim long maus na tit bilong yu?	What Types Of Care Or Treatment Did You Receive For This Problem With Your Mouth And / Or Teeth? Probe For All Types Of Care Or Treatment.
Marasin	Medication
Wok long tit o katim maus long hausik	Dental Work / Oral Surgery
Giaman tit	Dentures Or Bridges
Toksava o toktok bilong lukautim tit na maus	Information Or Counseling On Dental Care / Oral Hygiene
Narapela halivim bilong maus	Other Oral Treatment
Olgeta tit bilong yu lus pinis?	Have You Lost All Of Your Natural Teeth?
Yes	Yes
No	No
Insait long laspela 12pela mun yu bin stap long kar accident long rot na yu kisim bagarap long skin? Dispela bagarp yu kisim, yu pasinga long kar o yu draivim kar, moto baik, bicycle o taim yu wokabaut.?	In the past 12 months, have you been involved in a road traffic accident where you suffered from bodily injury? PROBE: This could have been an accident in which you were involved either as the occupant of a motor vehicle, or when you were riding a motorcycle or bicycle, or walking.
Yes	Yes
No	No
Insait long laspela 12pela mun wanem taim dispela bagarap o birua?	When (In The Last 12 Months) Did The Accident Happen?
Insait long laspela 30 dei	Within The last 30 Days
1-2 mun	1-2 Months Ago
3-5 mun	3-5 Months Ago
6-12 mun	6-12 Months Ago
no save	Do Not Know
Yu bin kisim sampela marasin o halivim bihain long yu kisim bagarap long kar accident?	Did You Receive Any Medical Care Or Treatment For Your Injuries?
Yes	Yes
No	No

Long wanem taim stret yu bin kisim marasin o halivim; long abulance o long outpatient	Where Did You First Receive Care? Read Choices If Care Received From Ambulance, Hospital Or Outpatient Facility, Ask If It Was Government Operated Or Private.
Abulance long hap accident I bin kamap	On-Site, Ambulance
Long hausik	hospital
Outpatient Facility	Outpatient Facility
Private Dokta	Private Physician
Marasin man bilong ples	traditional Healer
Naraplan	other provider
Gavman o private	Was it government operated or private?
Gavman	Government Operated
Private na NGO	Private (Including For Profit And Not-For-Profit)
No save	Do Not Know
Wanem taim tru em laspela taim yu bin nidim halivim long helt	When was the last time that you needed health care?[Interviewer: stop reading further as soon as the respondent has selectedone.]
Insait long laspela 30 dei	In the last 30 days
Insait long wanpela mun tasol aninit long wanpela yia	Between 1 month and less than 1 year ago
Insait long wanpela yia tasol aninit long tupla yia	Between 1 year and less than 2 years ago
Insait long tupela yia tasol aninit long 3pela yia	Between 2 years and less than 3 years ago
Insait long 3pela yia tasol aninit long 5pela yia	Between 3 years and less than 5 years ago
Moa long 5pela yia	More than 5 years ago
Ino nidim halivim long helt	Never needed
Taim yu bin tingting long go long hausik o lukim helt wok manmeri; ibin gat hamaspela hausik o helt wok manmeri stap klostu we yu ken go long en. Interviewer: Yu mas raitim namba (hamas)	Thinking of the last time you needed to see a health care provider who could treat your condition, how many were there around who you could chose from? Interviewer: RECORD NUMBER
Wanem as na yu bin nidim halivim long hausik? Interviewer: makim wanpela tasol	Which reason best describes why you last needed health care?[Interviewer - the respondent may select ONLY one]
Skin hot	Fever
Pekpek wara	Diarrhoea
Kus	cough
Kisim sut o marasin bilong banisim sik	immunisation
Famili Planing	Family planning
Lukim Dentist	Dental care
Join pen	Arthritis
Sotwin	Asthma
Boros pen long han kais	Heart disease
Sik suga	diabetes
Bagarap lo skin	Bodily injury
Liklik operation	Minor surgery
Narapela	Other reason
Narapela- em wanem tru?	Other (Please Specify)
Laspela taim yu nidim halivim long helt bilong yu, yu bin kisim halivim tu?	The last time you needed health care, did you get health care?
Yes	Yes
No	No
Wanem as tru na yu no bin kisim halivim long helt bilong yu?	Which reasons best explain why you did not get health care?
Nogat moni	Could not afford the cost of the visit

Nogat kar o rot	No transport
Nogat moni bilong baim kar	Could not afford the cost of transport
Marasin na ol masin long hausik I nogut	The health care provider' s drugs or equipment are inadequate
Helt wok manmeri ino gat save o gutpela save	The health care provider' s skills are inadequate
Ol helt wok manmeri ino mekim gut long yu o krosim o rausim yu	You were previously badly treated
Yu no nap long lusim wok o yu bin gat narapela samtig long mekim	Could not take time off work or had other commitments
Yu no save long go we	You did not know where to go
Yu ting sik bilong yu ino bikpela	You thought you were not sick enough
Yu bin go long hausik tasol yu no kisim halivim	You tried but were denied health care
Narapela	Other
Tokaut long narapela	Other (Please Specify)
Laspela taim yu nidim halivim long hely bilong yu, yu bin kisim halivim we?	When you last needed health care, where did you get care?
Bikpla government hausik	Government hospital
Government health centre	Government health centre
Government aid post	Government health post
Community helt man/meri	Community_health_worker
Klinik	Mobile / Outreach clinic
Narapla public	other_public_provider
Bikpela misin hausik	Church_hospital
Misin klinik	Church clinic
Misin aid post	Church_aid_post
Church_private_hospital	Church_private_hospital
Private Dokta	Private doctor clinic
Private Kemis	Private_pharmacy
private_Mobile_clinic	private_Mobile_clinic
other_private_provider	other_private_provider
Tokaut lo narapela	Other specify
Tokaut lo narapela	Other specify
Laspela taim yu nidim halivim long helt bilong yu <output value="/Bougainville_survey_womenform/group_Health_systems/reason_for_healthcare"/> Yu bin kisim marasin o nogat	The last time you sought care for <output value="/Bougainville_survey_womenform/group_Health_systems/reason_for_healthcare"/> did the health care provider prescribe any medicine foryou?
Yes	Yes
No	No
No save	Don'T Know
Long dispela marasin ol I tokim yu long kisim yu kisim hamaspela bilong ol?	Of the medicines that were prescribed for you, how many of them were you able to get?
Olgeta	All of them
Planti	Most
Sampla	Some
Liklik tasol	Very few
Nogat olgeta	none of them
Long wanem as tru na yu no kisim marasin o tokim yu long kisim?	Which reason best explains why you did not get all the medicines you were prescribed?
Nogat moni	Could not afford
Ino stap	Could not find all medicines
Mi no ting mi mas kisim displa olgeta marasin	Did not believe all the medications were needed

Stat long pilin orait	Started to feel better
Igat sampla marasin long haus	Already had some of the medicines at home
Narapla	Other reason
Tokaut long narapla	Other (Please Specify)
Long laspela yia yu bin halivim famili memba o poro (bikpela manmeri o pikinini) bikos dispela famili memba o poro igat sik long skin o long het longpela taim nau	During the past year, did you provide help to a relative or friend (adult or child), because this person has a long-term physical or mental illness or disability, or is getting old and weak?
Yes dispela manmeri/pikinini yu halivim save stap long haus bilong yu.	Yes, for a person living in the same household
Yes, dispela man/meri/pikinini yu halivim save stap long narapela haus	Yes, for a person living in a separate household
No	No
Plis tokim mi wanem kain halivim tru yu bin givim	Please tell me the kind of care you provided :(select all that apply)
Yu bin halivim sikman long go long toilet, long waswas, long putim kolos o long kaikai	You helped with personal care, such as going to the toilet, washing, getting dressed, or eating
Yu halivim long helt olsem, senisim ol banis long sua na givim marasin	You helped with medical care, like changing bandages and giving medicines
Yu halivim long ol wok long haus, olsem redim kaikai, go lo stoa long baim kaikai, klinim haus, wasim kolos	You helped with household activities, such as meal preparation, shopping, cleaning, laundry
Yu lukautim ol bikos nogut ol bagarapim ol yet	You watched over them since their behaviour can be upsetting or dangerous to themselves or others
Outpatient Care	Outpatient care
Wanem wokman/meri bilong helt I bin halivim yu long las taim yu kisim halivim long helt	What type of health care provider treated you during your last visit?
Dokta (Dokta blo ol meri)	Medical doctor (including Gynaecologists, psychiatrist, ophthalmologist, etc.)
Nes	Nurse
Helt wokman/meri husait I save halivim ol mama long taim bilong karim	Midwife
Dentist	Dentist
Volunteer	volunteer
Physiotherapist or chiropractor	Physiotherapist or chiropractor
Marasin man bilong ples	Traditional medicine practitioner
Narapla wokman/meri biolong helt	Other Provider
tokaut long narapla	Other (Please Specify)
What was the sex of <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> ?	What was the sex of <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> ?
Meri	Female
Man	Male
Long tingting bilong yu <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> halivim yu kissim em orait?	In your opinion, was the <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> skill adequate for your treatment?
Yes	Yes
No	No
Long tingting bilong yu <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> 'ol masin ol yusim i orait?	In your opinion, was <output value="/Bougainville_survey_womenform/group_outpatient_care/type_of_provider"/> 's equipment adequate for your treatment?
Yes	Yes
No	No
Laspela taim yu go long kisim halivim i bin kisim hamas minit	Thinking about your last visit, how long did it take you to get

	there? (minutes)
Laspela taim yu go long kisim halivim yu go olsem wanem (long kar o yu wokabaut)	Thinking about your last visit, how did you get there?[Interviewer: mark the one used for most of the travel distance.]
Kar o moto baik bilong yu yet	Private car or motorcycle
Long PMV	Public transport
Ambulance	Ambulance
Bicycle	Bicycle
Wokabaut	walked
Narapela	Other transport
Tokaut long narapela	Other (Please Specify)
list_fees	list_fees
Laspela taim yu go long kisim halivim , yu baim ol dispela samting? Na hamas yu payim	Thinking about your last visit, did you have the following ? Did you pay for them? And if so how much?
Yu baim helt wok manmeri	Health care provider's fees
Fri	Free
Baim hausik	Paid
No save	Do not know
Mi nogat	Did not have
Yu baim hamas	How much did you pay?
Marasin	Medicines
Fri	Free
Baim	Paid
No save	Do not know
Mi nogat	Did not have
Yu baim hamas	How much did you pay?
list_fees	list_fees
Tests	Tests
Fri	Free
Baim	Paid
No save	Do not know
Nogat	Did not have
Yu baim hamas	How much did you pay?
Baim rot	Transport
Fri	Free
Baim	Paid
no save	Do not know
Nogat	Did not have
Yu baim hamas	How much did you pay?
Yu baim ol narapla samting tu?	Did you pay for any other service?
yes	Yes
no	No
Narapela sevis	Specify service
Yu baim hamas	How much did you pay?
Yu baim hausik long liklik moni bikos long gavman subsidy?	Did you or your household pay less than the normal health care fees because of a government discount or exemption?
yes	Yes
No	No

Nogat gavman subsidy	Not applicable
Ol dispela askim em bilong ol samting yu inap mekim long wanpela dei. Bikos long ol asua long bodi bilong yu, yu no inap long mekim olgeta wok o pilai? Sapos yes, hamas?	The following questions are about activities you might do during a typical day. Does your health now limit you in these activities? If so how much?
Bikpela wok o pilai olsem ron, karim paiawut, kamautim garas long gaden	Vigorous Activities such as running/ carrying wood/ weeding the field
Yes, no nap mekim wok bikos long helt bilong mi	Yes, limited a lot
Yes, mi inap mekim ol wok tasol mi no nap mekim olgeta wok	Yes, Limited a little
Nogat mi inap mekim olgeta wok	No, Not limited at all
Ol wok olsem muvim ol sia samting, brum, lukautim kakau or gaden kaikai	Moderate Activities such as moving furniture/ sweeping/ cocoa trees or food crops
Karim gaden kaikai kam long haus	Carrying food from the field
Activity limitation	Activity limitation
Wokabaut igo antap long bikpela mauten	Walking up a big hill
Wokabaut igo antap long liklik mauten	Walking up a small hill
Bend daun	Bending kneeling or stooping
Activity limitation	Activity limitation
Wokabaut moa long wanpela kilomita	Walking more than 1km
Wokabaut sampela hundred mita	Walking several hundred metres
Wokabaut 100 mita	Walking 100 metres
Yu inap long waswas o putim kolos yu yet	Bathing or dressing yourself
Physical_health_limitations	Physical_health_limitations
Physical_health_limitations	Physical_health_limitations
Insait long laspela 4pela wik hamas taim yu bin gat sampela hevi long wokim ol wok yu save mekim oltaim bikos long ol hevi lo bodi bilong yu.	During the past 4 weeks how much of the time have you had any of the following problems with your work or other regular daily activities as a result of your physical health?
Lusim taim yu save mekim ol wok	Cut down on the amount of time you spent on work or other activities
Olgeta taim	All the time
Bikpela hap taim	Most of the time
Sampela taim.	Some of the time
Liklik taim	A little of the time
Nogat	None of the time
Yu no pinisim olgeta wok yu laik long mekim	Accomplished less than you would like
Yu no inap long mekim olgeta wok yu save mekim	Were limited in the kind of work or other activities
Yu painim hat tumas long mekim wok o pilai	Had difficulty performing the work or other activities
Social Capital	Social Capital
Insait long laspela mun, hamas taim yu pilim olsem yu no inap long kontrolim ol impotent samting long laip bilong yu	In the last month: How often have you felt that you were unable to control the important things in your life?
Nogat olgeta	Never
Klostu nogat olgeta	Almost Never
Sampela taim	Sometimes
Klostu olgeta taim	Fairly often
Olgeta taim	Very often
Insait long dispela mun hamas taim yu pilim olsem yu no inap long sanap strong lo mekim olgeta samting	In the last month: How often have you found that you could not cope with all the things that you had to do?
Nogat olgeta	Never
Klostu nogat olgeta	Almost Never
Sampela taim	Sometimes
Klostu olgeta taim	Fairly often

Olgeta taim	Very often
Yu hamamas long helt bilong yu?	How satisfied are you with your health?
Hamamas stret	Very Satisfied
Hamamas	Fairly satisfied
No hamamas o ino hamamas	Neither satisfied or dissatisfied
Ino hamamas tumas	Fairly dissatisfied
Ino hamamas olgeta	Very dissatisfied
Interviewer Observations	Interviewer Observations
Dispela meri igat ol dispela?	For Interviewer: Did this person have any of the following: Select all that apply
Ino harim gut	Have a hearing problem
Ino lukim samting gut	Have a vision problem
Stap long wheel chair	Use a wheel chair
Yusim stik long wokabaut	Use cane/crutches/walker
Painim hat long wokabaut	Have any difficulties walking
No nap muvim han, lek o pinga	Have paralysis in the arms, legs or hands
Kus olgeta taim	Cough continually
Sotwin	Have shortness of breath
Sik long kuru blong het	Have a mental problem
Narapela	Other health problem
Katim han, lek, pinga long han, pinga lo lek	Have an amputation of a limb or part of a limb
Nogat long ol ansa antap	None of the above
Child <5yrs	
Yu inap lo go het lo ol askim nau o nogat	**Is it ok to go ahead with asking the questions?***
Yes	Yes
Nogat	No
Result of Survey	Result of Survey
Nogat man lo haus o nogat man/meri husait inap lo mekim interview lo taim yu go lo haus	Not household member or no competent respondent at home at time of visit
Famili no stap lo haus longpela taim nau	Entire household absent for extended period of time
Ino laik lo mekim interview	Refused
Famili lusim haus olgeta	Dwelling vacant/Address not at dwelling
Haus I baragap lo flood or guria o paia	Dwelling destroyed
Haus ino mo stap	Dwelling not found
Narapla	Other
Plis tok aut lo wanem as	Other Specify
Makim mama bilong dispela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> . Mama ino stap long dispela haus o dai pinis lusim olsem	Please select the mother of<output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> If <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's mother does not live in this household or is no longer alive please leave blank
Plis raitim nem bilong papa bilong <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> . Sapos papa bilong <output value="instance('casedb')/casedb/case[@case_id =	Please select the father of <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/>

instance('commcaresession')/session/data/case_id]/household_member"/> ino save stap moa long dispela house or emi dai plinis plis larim dispela speis istap nating	If <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's father does not live in this household or is no longer alive please leave blank
Susu mama	Breastfeeding
Dispela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> igat birth certificate bilong em?	Does <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> have a birth certificate?
Yes mi lukim	yes seen
Yes, tasol mi no lukim	Yes not seen
Nogat	no
Emi no save	Don't know
Dipela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> oli registerim pinis nem bilong em igo long opis bilong civil authority?	Has<output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> birth been registered with the civil authorities?
Yes	yes
Nogat	no
Emi no save	Don't know
Yu save tu long rot bai yu bihaimim na registerim nem bilong pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?	Do you know how to register <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's birth?
Yes	yes
Nogat	no
Dispela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin save susu tu long mama	Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever been breastfed?
Yes	Yes
Nogat	No
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> I wok long susu yet long mama?	Is <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> still being breastfed?
Yes	Yes
Nogat	No
Aste long san o nait pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin dringim tu sampla kaen dring istap long bottle igat hap bilong susu long en?	Yesterday, during the day or night, did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> drink anything from a bottle with a nipple?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Dispela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> I dringim tu sampla kaen dring ol laen long helt o haus sik igivim aste long san o long nait?	Did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> drink ors (oral rehydration solution) yesterday, during the day or night?
Yes	Yes
Nogat	No

Emi no save	Don't Know
Dispela pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> I dringim o kaikai sampla kaen kaikai o marasin aste long san o long nait?	Did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> drink or eat vitamin or mineral supplements or any medicines yesterday, during the day or night?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Sapos <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> em ino bin susu long mama aste nait o aste long san, wanem long ol dispela kaikai yu givim em:	If not breast feeding have you at any time last night or yesterday given<output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> any of the following;
Wara nating (teng wara)	Plain Water
Ol narapela kain susu o milk	Milk other than breast milk
Ol narapela kain dring moa na ino milk na wara	Any liquid other than milk or water
Ol strongpela ol meme kaikai	Any solid or mushy food
nogat long ol ansa antap	None of the above
Husat I tokim yu bai yu stop long givim susu mama long pikinini?	Who advised you to not/ stop breastfeeding? (Multiple answers possible)
Nogat man, mama yet	No one (the mother herself)
Bubu meri	Maternal grand mother
Bubu man	Paternal grand mother
Man bilong em	Husband
Ol narapela hauslain, olsem sista, tambu meri, anti, etc.	Other relatives, such as sister, sister in law, aunt etc.
Ol poroman/poromeri	Friends
Ol wonples	Neighbour
Dokta	Doctor
Nes	Nurse
Wokman bilong family planning	Family planning worker
Wokman bilong helt	Health Worker
NGO counsellor	NGO counsellor
Ol narapela	Other
Ol narapela (tok aut klia long en)	Other (specify)
Husat tru dispela man o meri I bringim tingting long yu na strongim yu long yu stop givim susu mama long pikinini?	Who was the main person influenced you for this decision to not/stop breastfeeding? (Single answer)
Nogat man, mama yet	No one (the mother herself)
Bubu meri	Maternal grand mother
Bubu man	Paternal grand mother
Man bilong em	Husband
Ol narapela hauslain, olsem sista, tambu meri, anti, etc.	Other relatives, such as sister, sister in law, aunt etc.
Ol poroman/poromeri	Friends
Ol wonples	Neighbour
Dokta	Doctor
Nes	Nurse
Wokman bilong family planning	Family planning worker
Wokman bilong helt	Health Worker
NGO counsellor	NGO counsellor
Ol narapela	Other

Ol narapela (tok aut klia long en)	Other (specify)
Watpo tru na yu strong long stop givim susu mama long pikinini?	Why did you decide to stop breastfeeding? (Multiple answers possible)
Beibi krai tumas	Baby cries too much
Nogat inap milk	Insufficient milk
Pikinini isot long wara bilong dring	Child seems to be thirsty and dehydrated
Beibi emi sik	Illness of baby
Oli stop emi	I was advised to stop
Pikinini ino wok long kisim inap hevi o weight	Baby not putting on enough weight
Ol narapela (tok aut klia long en)	Other (specify)
Ol narapela (tok aut klia long en)	Other (specify)
Wanem dispela emi astru long yu stop givim susu mama?	What was the main reason?
Beibi krai tumas	Baby cries too much
Nogat inap milk	Insufficient milk
Pikinini isot long wara bilong dring	Child seems to be thirsty and dehydrated
Beibi emi sik	Illness of baby
Oli stop emi	I was advised to stop
Pikinini ino wok long kisim inap hevi o weight	Baby not putting on enough weight
Ol narapela (tok aut klia long en)	Other (specify)
Ol narapela (tok aut klia long en)	Other (specify)
Egat helt buk bilong <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?	Is there a vaccination card for <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?
Yes	Yes
Yes, mi no lukim	Yes, not seen
Nogat	No
yu gat helt buk bilong <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/>?	Did you ever have a vaccination (health card) for <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?
Yes	Yes
Nogat	No
Supos igat helt buk istap raitim ol dates igo insait long ol dispela ol askim tambolo, bihainim ol kain marisim oli raitim insait long kat	If an immunisation card is available, copy the dates in the following questions for each type of immunization or vitamin A dose recorded on the card.
BCG sut bihain stret long beibi l bon (banis bilong TB)	BCG (Injection at Birth)
Dei	Day
Mun	Month
Yia	Year
Oral Polio sut bihain long 1 mun (banis bilong sik polio)	Oral Polio (1 month)
Dei	Day
Mun	Month
Yia	Year
Oral Polio sut bihain long 2 mun (banis bilong sik polio ikam olsem long maus)	Oral Polio (2 months)
Dei	Day
Mun	Month
Yia	Year
Oral Polio sut bihain long 3 mun (banis bilong sik polio ikam olsem long	Oral Polio 3 (3months)

maus)	
Dei	Day
Mun	Month
Yia	Year
Inactivated Polio sut behain long 3 mun (banis bilong sik polio pikinini ikisim taim me tripela mun pinis)	Inactivated POLIO Injection at 3 months (IPV)
yes	yes
nogat	no
DTwPHibHepB sut behain long 1 mun (banis bilong ol narapela kain sik igo insait long blut)	DTwPHibHepB (Diphtheria-tetanus-pertussis-Haemophilus influenzae-Hepatitis B) 1 (injection at 1 month)
Dei	Day
Mun	Month
Yia	Year
DTwPHibHepB sut behain long 2 mun (banis bilong ol narapela kain sik igo insait long blut)	DTwPHibHepB (Diphtheria-tetanus-pertussis-Haemophilus influenzae-Hepatitis B) 2 (injection at 2 month)
Dei	Day
Mun	Month
Yia	Year
DTwPHibHepB sut behain long 3 mun (banis bilong ol narapela kain sik igo insait long blut)	DTwPHibHepB (Diphtheria-tetanus-pertussis-Haemophilus influenzae-Hepatitis B) 3 (injection at 3 month)
Dei	Day
Mun	Month
Yia	Year
Hepatitis B sut behain stret long beibi I bon (banis bilong sik I bihainim blut na go insait long liver)	HEPB at birth (HEP0)
Dei	Day
Mun	Month
Yia	Year
MR Measles-Rubella sut behain long 6 mun (banis bilong sik kaskas na skin sikirap)	MR (Measles-Rubella) 1 (Injection at 6 months)
Dei	Day
Mun	Month
Yia	Year
MR Measles-Rubella sut behain long 9 mun (banis bilong sik kaskas na skin sikirap)	MR (Measles-Rubella) 2 (Injection at 9 months)
Dei	Day
Mun	Month
Yia	Year
MR Measles-Rubella sut behain long 18 mun (banis bilong sik kaskas na skin sikirap)	MR (Measles-Rubella) 3 (Injection at 18 months)
Dei	Day
Mun	Month
Yia	Year
PCV-Pneumococcal conjugate sut behain long 1 mun (banis bilong sik ikamapim strongpela kus na sotwin)	PCV (Pneumococcal conjugate vaccine) 1 (Injection at 1 month)
Dei	Day
Mun	Month
Yia	Year
PCV-Pneumococcal conjugate sut behain long 2 mun (banis bilong sik ikamapim strongpela kus na sotwin)	PCV (Pneumococcal conjugate vaccine) 2 (Injection at 2 months)

Dei	Day
Mun	Month
Yia	Year
PCV-Pneumococcal conjugate sut bihain long 3 mun (banis bilong sik ikamapim strongpela kus na sotwin)	PCV (Pneumococcal conjugate vaccine) 3 (Injection at 3 months)
Dei	Day
Mun	Month
Yia	Year
Vitamin A sut bihain long 6 mun (kaikai bilong strongim blut)	Vitamin A supplementation 1 (6 months)
Dei	Day
Mun	Month
Yia	Year
Vitamin A sut bihain long 18 mun (kaikai bilong strongim blut)	Vitamin A supplementation 2 (18 months)
Dei	Day
Mun	Month
Yia	Year
Sekim gen ol kainkain sut yu raitim antap sapos ol I stret?	Check through the list are all the vaccinations recorded?
Yes	Yes
Nogat	No
Antap long dispela ol sut I rait inseit long helt buk, pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim tu ol narapela kain sut?	In addition to what is recorded on this card, did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> receive any other vaccinations – including vaccinations received in campaigns or immunization days or child health days?
Yes	Yes
Nogat	No
Supos ibin gat, orait go bek long ol askim na kisim ripot long ol dispela kain sut na raitim "66" inseit long Day Column long wanwan sut	If yes, go back to the previous questions and probe for these vaccinations and record '66' in the days section for each vaccine mentioned.
Ol sut inogat helt buk bilong ol	Vaccinations no card
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin save kisim tu sampela kain sut long banisim em long ol kainkain sik, kauntim wantaim ol dispela sut emi kisim long ol klinik taim?	Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever received any vaccinations to prevent him/her from getting diseases, including vaccinations received in a campaign or routine immunization round?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim pinis BCG sut we bai banisim em long sik TB - sut oli givim long han o solda bilong em?	Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever been given a BCG vaccination against tuberculosis – that is, an injection in the arm or shoulder that caused a scar?
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin dring pinis sampela kain marisim long banisim em long kain sik olsim polio	Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever been given any “vaccination drops in the mouth” to protect him/her from getting diseases –that is, polio?

<p>Hamas taim pikinini I dringim marisim bilong sik polio?</p>	<p>How many times was the Polio vaccine received?</p>
<p>Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim pinis tu DPT sut antap long lek long banisim ol kain sik igo insait long blut?</p>	<p>Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever received a dpt vaccination – that is, an injection in the thigh to prevent him/her from getting tetanus, whooping cough, or diphtheria? Probe by indicating that DPT vaccination is sometimes given at the same time as Polio.</p>
<p>Hamas taim pikinini I kisim sut bilong dispela ol kain sik?</p>	<p>How many times was the DPT vaccine received?</p>
<p>Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim pinis tu hepatitis B sut antap long lek long banisim sik igo insait long blut na bagarapin liver?</p>	<p>Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever received a hepatitis b vaccination – that is, an injection in the thigh to prevent him/her from getting hepatitis b? Probe by indicating that the Hepatitis B vaccine is sometimes given at the same time as Polio and DPT vaccines.</p>
<p>Dispela nambawan hepatitis sut pikinini I kisim insait long 24 aua long taim mama karim em?</p>	<p>Was the first hepatitis b vaccine received within 24 hours after birth?</p>
<p>Hamas taim pikinini I kisim sut hepatitis?</p>	<p>How many times was the hepatitis b received?</p>
<p>Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim tu sut bilong skin kaskas o skin sikarap - dispela em sut antap long han biling pikinini taim emi 6pela mun?</p>	<p>Has<output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ever received a measles injection (or an MMR or MR)- that is a shot in the arm at the age of 6 months or older to prevent him/her from getting measles?</p>
<p>Yes</p>	<p>Yes</p>
<p>Nogat</p>	<p>No</p>
<p>Emi no save</p>	<p>Don't know</p>
<p>Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin gat pekpek wara long tupela wik igo penis?</p>	<p>Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had diarrhoea in the last two weeks, that is, since (day of the week) of the week before last?</p>
<p>Diarrhoea is determined as perceived by mother or caretaker, or as three or more loose or watery stools per day, or blood in stool.</p>	<p>Diarrhoea is determined as perceived by mother or caretaker, or as three or more loose or watery stools per day, or blood in stool.</p>
<p>Yes</p>	<p>Yes</p>
<p>No</p>	<p>No</p>
<p>Don't Know</p>	<p>Don't Know</p>
<p>Diarrhoea Yes</p>	<p>Diarrhoea Yes</p>
<p>Dispela pekpek wara ibin stap hamas dei?</p>	<p>For how many days has/did the diarrhoea lasted?</p>
<p>Long dispela taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin gat pekpek wara hamas susu mama oli givim em?</p>	<p>During the time <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had diarrhoea (including breastmilk) was he/she given less than usual to drink, about the same amount, more than usual, or nothing to eat?</p>
<p>Liklik tru</p>	<p>Much less</p>
<p>Ino bikpela tumas</p>	<p>Somewhat less</p>
<p>Kisim mak strep</p>	<p>About the same</p>
<p>Kisim moa long mak</p>	<p>More</p>

Nogat samting olgeta biling dring	Nothing to Drink
Emi no save	Don't know
Long dispela taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin gat pekpek wara hamas kaikai oli givim em?	During the time <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had diarrhoea was he/she given less than usual to eat, about the same amount, more than usual, or more than usual?
Liklik tru	Much Less
Ino bikpela tumas	Somewhat less
Kisim mak strep	About the same
Kisim moa long mak	More
Stop kaikai	Stopped food
Oli no save givim kaikai	Never gave food
Emi no save	Don't know
Ibin kisim sampela tok skul o sampela halivim bilong sik pekpek wara ikam long sampela line?	Did you seek any advice or treatment for the diarrhoea from any source?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Yu bin kisim tok skul o halivim long husat o long wanem hap? Probe: ANYWHERE ELSE? Circle all providers mentioned, but do NOT prompt with any suggestions. Probe to identify each type of source. If unable to determine if public or private sector, write the name of the place.	From where did you seek advice or treatment? Probe: ANYWHERE ELSE? Circle all providers mentioned, but do NOT prompt with any suggestions. Probe to identify each type of source. If unable to determine if public or private sector, write the name of the place.
Gavaman hausik	Government Hospital
Gavaman Helt Senta	Government Health Centre
Gavaman Aid Post	Government Health Post
Narapla kain pablik hausik	Community Health worker
Narapla kain private hausik	Mobile/outreach Clinic
Bikpela misin hausik	Church Hospital
Misin klinik	Church clinic
Misin aid post	Church aid Post
Church_private_hospital	Church private hospital
Private Dokta	Private doctor/clinic
Private Kemis	Private pharmacy
private_Mobile_clinic	Private mobile clinic
famili/poro	Relative/friend
shop	Shop
Marasin man bilong ples	traditional Practitioner
narapela	Other
Tokaut long narapela	Other (specify)
Diarrhoea use of ORS	Diarrhoea use of ORS
Insait long taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin pekpek wara ibin dringim wanpela long ol dispela kain dring:	During the last episode of diarrhoea did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> drink any of the following:
Dring oli mekim long kain spesol paket oli kolim Oralyte	A fluid made from a special packet called Oralyte?

Yes	Yes
Nogat	No
Emi no save	Don't Know
Tok oraitim wara oli mekim long ples olem wara bilong kokonas o wara biling rais tanim wantaim sol	Recommended homemade fluid such as coconut water or rice water with salt?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Yu bin kisim Oralyte we?	Where did you get the ORS? Probe to identify the type of source. If unable to determine whether public or private, write the name of the place.
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Narapla kain private hausik	Mobile/outreach Clinic
Bikpela misin hausik	Church Hospital
Misin klinik	Church clinic
Misin aid post	Church aid Post
Church_private_hospital	Church private hospital
Private Dokta	Private doctor/clinic
Private Kemis	Private pharmacy
private_Mobile_clinic	Private mobile clinic
wantok	Relative/friend
shop	Shop
Marasin man bilong ples	traditional Practioner
Igat sampla marasin long haus	Already at home
narapela	Other
Tokaut long narapela	Other Specify
Zinc	Zinc
Insait long taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin pekpek wara emi kisim tu dispela ol marasim:	During the last time<output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had diarrhoea, was <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> given:
Zinc tablet?	Zinc Tablets?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Zinc syrup?	Zinc Syrup?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Yu bin kisim dispela zinc marasim we?	Where did you get the zinc? Probe to identify the type of source.

	If unable to determine whether public or private, write the name of the place.
Gavaman hausik	Government Hospital
Gavaman Helt Senta	Government Health Centre
Gavaman Aid Post	Government Health Post
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Narapla kain private hausik	Mobile/outreach Clinic
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Private Dokta	Private doctor/clinic
Private Kemis	Private pharmacy
private_Mobile_clinic	Private mobile clinic
wantok	Relative/friend
shop	Shop
Marasin man bilong ples	traditional Practitioner
narapela	Other
Tokaut long narapela	Other (specify)
Wanem ol narapela kain marasim o halivim yu kissim long stratem sik pekpek wara bilong pikinini?	What (else) was given to treat the diarrhoea? Probe: Anything else? Record all treatments given. Write brand name(s) of all medicines mentioned.
Cannot select nothing else provided with another option	Cannot select nothing else provided with another option
Antibiotics - Marasim bilong stopin binatang nogut igo insait long bodi (tablet o syrup)	Antibiotic (pill or syrup)
Antimotility - Marasim bilong stratim insait long bel we l pen o pilim nogut (tablet o syrup)	Antimotility (pill or syrup)
Ol narapela kain marasim (tablet o syrup)	Other Pill or Syrup (not antibiotic/antimotility or zinc)
Ol kain marasim (tablet o syrup) yumi ino save longim	Unknown pill or syrup
Antibiotic (sut)	Antibiotic (Injection)
Ol narapela kain marasim (sut)	Non-antibiotic Injection
Ol kain marasim (sut) yumi ino save longim	Unknown injection
Drip o wara na marasim igo insait long rop bilong blut	31 Intravenous
Marasin bilong ples	41 Home remedy/herbal medicine
Nogat narapela marasin o halivim oli givim	No other treatment given
Ol narapela	Other
Ol narapela (tok aut klia long en)	Other (specify)
Stat long dei nambawan bilong dispela tupela wik igo pinis pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin sik wantaim skin hot?	In the last two weeks, that is, since (day of the week) of the week before last, has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> been ill with a fever?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Igat wanpela taim long dispela taim emi bin sik ol laen long haus sik l bin kisim blut long pinga o tambolo long lek bilong em?	At any time during the illness, did <output value="instance('casedb')/casedb/case[@case_id =

	instance('commcaresession')/session/data/case_id]/household_member"/> have blood taken from his/her finger or heel for testing?
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim strongpela kus insait long dispela tupela wik?	Has <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had an illness with a cough at any time in the last two weeks, that is, since (day of the week) of the week before last?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Strongpela kus	Cough
Taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin gat strongpela kus emi kus klostu klostu mao long bipo kus hariup hariup o emi pinim hat long kus?	When <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> had an illness with a cough, did he/she breathe faster than usual with short, quick breaths or have difficulty breathing?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Kus hariup hariup	QUICK BREATHS
Dispela sik bilong kus emi sain bilong sampela hevy insait long borus bilong pikinini o sain bilong nus I blok o nus I wara?	Were the symptoms due to a problem in the chest or a blocked nose or runny nose?
Hevy insait long borus	Problem in chest
Nus I blok	Blocked nose
Tupela wantaim	Both
Ol narapela (tok aut klia long en)	Other (specify)
Emi no save	Don't Know
Ol narapela (tok aut klia long en)	other (Specify)
Borus o nus I blok o nus I wara	Chest or blocked nose or runny nose
Yu bin kisim sampela tok skul o marasin o halivim long dispela sik arasait bilong ples bilong yu	Did you seek advice or treatment for the illness outside the home?
Yes	Yes
Nogat	No
Emi no save	Don't Know
Marasin o halivim	Type of treatment
adviceortreatment_list	adviceortreatment_list
Long wanim ol hap mao yu bin kisim ol halivim longim?	ca10_1 FROM WHERE DID YOU SEEK CARE? ANYWHERE ELSE? Probe to identify the type of source. If unable to determine whether public or private, write the name of the place (Name of place)
Gavaman hausik	Government Hospital
Gavaman Helt Senta	Government Health Centre
Gavaman Aid Post	Government Health Post
Narapla kain pablik hausik	Community Health worker
Narapla kain private hausik	Mobile/outreach Clinic

Bikpela misin hausik	Church Hospital
Misin klinik	Church clinic
Misin aid post	Church aid Post
Church_private_hospital	Church private hospital
Private Dokta	Private doctor/clinic
Private Kemis	Private pharmacy
private_Mobile_clinic	Private mobile clinic
wantok	Relative/friend
shop	Shop
Marasin man bilong ples	traditional Practitioner
narapela	Other
Tokaut long narapela	X. Other (specify)
Pikinini <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim tu marasin o halivim long stretim dispela sik skin hot?	Was <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> given medicine to treat this illness?
Wanem kain marasin oli givim long <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?	What medicine was <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> given? Circle all medicines given.
A. SP/Fansidar	A. SP/Fansidar
B Chloroquine	B Chloroquine
C Amodiaquine	C Amodiaquine
D Quinine	D Quinine
E Combination and Artemisinin	E Combination and Artemisinin
Antibiotics - Marasim bilong stopin binatang nogut igo insait long bodi (tablet o syrup)	I Antibiotics Pill/Syrup
Antibiotics - Marasim bilong stopin binatang nogut igo insait long bodi (sut)	J Antibiotics Injection
Panadol	P. Paracetamol
Aspirin	Q. Aspirin
Ibuprofen	R. Ibuprofen
Bus marasin	Home remedy/herbs
Ol narapela (tok aut klia long en)	X. Other (specify)
Emi no save	Z. Don't Know
Yu kisim ol dispela marasin wei?	Where did you get the antibiotics from from? Probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place) Probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place)
Gavaman hausik	Government Hospital
Gavaman Helt Senta	Government Health Centre

Gavaman Aid Post	Government Health Post
Narapla kain pablik hausik	Community Health worker
Narapla kain private hausik	Mobile/outreach Clinic
Bikpela misin hausik	Church Hospital
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Misin aid post	Church aid Post
Church_private_hospital	Church private hospital
Private Dokta	Private doctor/clinic
Private Kemis	Private pharmacy
private_Mobile_clinic	Private mobile clinic
wantok	Relative/friend
shop	Shop
Marasin man bilong ples	traditional Practioner
narapela	Other
Tokaut long narapela	antibiotics_other_provider
Where did you get the antimalarials from from? probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place) Probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place)	Where did you get the antimalarials from from? Probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place) Probe to identify the type of source. If unable to determine whether public or private, write the name of the place. (Name of place)
Government Hospital	Government Hospital
Government Health Centre	Government Health Centre
Government Health Post	Government Health Post
Community Health worker	Community Health worker
Mobile/outreach Clinic	Mobile/outreach Clinic
Church Hospital	Church Hospital
Church clinic	Church clinic
Church aid Post	Church aid Post
Church private hospital	Church private hospital
Private doctor/clinic	Private doctor/clinic
Private pharmacy	Private pharmacy
Private mobile clinic	Private mobile clinic
Relative/friend	Relative/friend
Shop	Shop
traditional Practioner	traditional Practioner
Other	Other
Other Specify	Other Specify
Hamas taim behain <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ibin kisim nambawan marasin?	How long after the fever started did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> first take (<output

	value="/data/group_blocked_runny_nose/group_treatment_ yes/medicine_type"/>)? If multiple anti-malarials mentioned in previous question name all anti-malarial medicines mentioned.
Long dispela dei emi stat sik	Same Day
Dei behain long emi stat sik	Next Day
Tupela dei behain long emi stat sik	2 days after the fever
Tipela dei behain long emi stat sik	3 days after the fever
Mao long forpela dei behain long emi stat sik	4 or more days after the fever
Emi no save	Don't know
Health systems	Health systems
Wanem taim tru em laspela taim <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> bin nidim halivim long helt	When was the last time that <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> needed health care?[Interviewer: stop reading further as soon as the respondent has selected one.]
Insait long laspela 30 dei	In the last 30 days
Insait long wanpela mun tasol aninit long wanpela yia	Between 1 month and less than 1 year ago
Insait long wanpela yia tasol aninit long tupla yia	Between 1 year and less than 2 years ago
Insait long tupela yia tasol aninit long 3pela yia	Between 2 years and less than 3 years ago
Insait long 3pela yia tasol aninit long 5pela yia	Between 3 years and less than 5 years ago
Moa long 5pela yia	More than 5 years ago
Ino nidim halivim long helt	Never needed
Taim yu bin tingting long go long hausik o lukim helt wok manmeri; ibin gat hamaspela hausik o helt wok manmeri stap klostu we yu ken go long en. Interviewer: Yu mas raitim namba (hamas)	Thinking of the last time <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> needed to see a health care provider who could treat your condition, how many were there around who you could chose from? Interviewer: RECORD NUMBER
Wanem as na yu bin nidim halivim long hausik? Interviewer: makim wanpela tasol	Which reason best describes why <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> last needed health care?[Interviewer - the respondent may select ONLY one]
Skin hot	Fever
Pekpek wara	Diarrhoea
Kus	cough
Kisim sut o marasin bilong banisim sik	immunisation
Famili Planing	Family planning
Lukim Dentist	Dental care
Join pen	Arthritis
Sotwin	Asthma
Boros pen long han kais	Heart disease
Sik suga	diabetes
Bagarap lo skin	Bodily injury
Liklik operation	Minor surgery
Narapela	Other reason
Narapela- em wanem tru?	Other (Please Specify)
Last taim dispela pikinini nidim helt care ol kisim o nogat?	The last time <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/>

	d_member"/> needed health care, did they get health care?
Yes	Yes
Nogat	No
Wanem as tru na <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> no bin kisim halivim long helt bilong pikinini?	Which reasons best explain why <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> did not get health care?
Nogat moni	Could not afford the cost of the visit
Nogat kar o rot	No transport
Nogat moni bilong baim kar	Could not afford the cost of transport
Marasin na ol masin long hausik I nogut	The health care provider' s drugs or equipment are inadequate
Helt wok manmeri ino gat save o gutpela save	The health care provider' s skills are inadequate
Ol helt wok manmeri ino mekim gut long yu o krosim o rausim yu	You were previously badly treated
Yu no nap long lusim wok o yu bin gat narapela samtig long mekim	Could not take time off work or had other commitments
Yu no save long go we	You did not know where to go
Yu ting sik bilong yu ino bikpela	You thought you were not sick enough
Yu bin go long hausik tasol yu no kisim halivim	You tried but were denied health care
Narapela	Other
Tokaut long narapela	Other (Please Specify)
Last taim dispela pikinini nidim helt care em kisim we?	When <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> last needed health care, where did <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> get care?
Bikpla government hausik	Government hospital
Government health centre	Government health centre
Government aid post	Government health post
Community helt man/meri	Community_health_worker
Klinik	Mobile / Outreach clinic
Narapla public	other_public_provider
Bikpela misin hausik	Church_hospital
Misin klinik	Church clinic
Misin aid post	Church_aid_post
Church_private_hospital	Church_private_hospital
Private Dokta	Private doctor clinic
Private Kemis	Private_pharmacy
private_Mobile_clinic	private_Mobile_clinic
other_private_provider	other_private_provider
Tokaut lo narapela	Other specify
Tokaut lo narapela	Other specify
Last taim pikinini nidim care long <output value="/data/group_Health_systems/reason_for_healthcare"/> ol gipim marasin?	The last time you sought care for <output value="/data/group_Health_systems/reason_for_healthcare"/> did the health care provider prescribe any medicine for <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> ?
Yes	Yes

Nogat	No
No save	Don't Know
Long dispela marasin ol I tokim pikinini long kisim pikinini kisim hamaspela bilong ol?	Of the medicines that were prescribed for <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> , how many of them were you able to get?
Olgeta	All of them
Planti	Most
Sampla	Some
Liklik tasol	Very few
Nogat olgeta	none of them
Long wanem as tru na pikinini ino kisim marasin o tokim long kisim?	Which reason best explains why you did not get all the medicines <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> was prescribed?
Nogat moni	Could not afford
Ino stap	Could not find all medicines
Mi no ting mi mas kisim displa olgeta marasin	Did not believe all the medications were needed
Stat long pilin orait	Started to feel better
Igat sampla marasin long haus	Already had some of the medicines at home
Narapla	Other reason
Tokaut long narapla	Outpatient care
Wanem wokman/meri bilong helt I bin halivim pikinini long las taim pikinini kisim halivim long helt	What type of health care provider treated <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> during <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's last visit?
Dokta (Dokta blo ol meri)	Medical doctor (including Gynaecologists, psychiatrist, ophthalmologist, etc.)
Nes	Nurse
Helt wokman/meri husait I save halivim ol mama long taim bilong karim	Midwife
Dentist	Dentist
Volunteer	volunteer
Physiotherapist or chiropractor	Physiotherapist or chiropractor
Marasin man bilong ples	Traditional medicine practitioner
Narapla wokman/meri biolong helt	Other Provider
tokaut long narapla	Other (Please Specify)
What was the sex of <output value="/data/group_outpatient_care/type_of_provider"/> ?	What was the sex of <output value="/data/group_outpatient_care/type_of_provider"/> ?
Meri	Female
Man	Male
Long tingting bilong pikinini <output value="/data/group_outpatient_care/type_of_provider"/> halivim pikinini kissim em orait?	In your opinion, was the <output value="/data/group_outpatient_care/type_of_provider"/> skill adequate for <output value="instance('casedb')/casedb/case [@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's treatment?
Yes	Yes

Nogat	No
Long tingting bilong yu <output value="/data/group_outpatient_care/type_of_provider"/> 'ol masin ol yusim i orait?	In your opinion, was <output value="/data/group_outpatient_care/type_of_provider"/> 's equipment adequate for <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's treatment?
Yes	Yes
Nogat	No
Laspela taim yu go long kisim halivim i bin kisim hamas minit	Thinking about <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's last visit, how long did it take you to get there? (minutes)
Laspela taim yu go long kisim halivim yu go olsem wanem (long kar o yu wokabaut)	Thinking about <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's last visit, how did you get there?[Interviewer: mark the one used for most of the travel distance.]
Kar o moto baik bilong yu yet	Private car or motorcycle
Long PMV	Public transport
Ambulance	Ambulance
Bicycle	Bicycle
Wokabaut	walked
Narapela	Other transport
Tokaut long narapela	Other (Please Specify)
list_fees	list_fees
Laspela taim yu go long kisim halivim , yu baim ol dispela samting? Na hamas yu payim	Thinking about <output value="instance('casedb')/casedb/case[@case_id = instance('commcaresession')/session/data/case_id]/household_member"/> 's last visit, did you have the following ? Did you pay for them? And if so how much?
Yu baim helt wok manmeri	Health care provider's fees
Fri	Free
Baim hausik	Paid
No save	Do not know
Mi nogat	Did not have
Yu baim hamas	How much did you pay?
Marasin	Medicines
Fri	Free
Baim	Paid
No save	Do not know
Mi nogat	Did not have
Yu baim hamas	How much did you pay?
Tests	Tests
Fri	Free
Baim	Paid
No save	Do not know
Nogat	Did not have
Yu baim hamas	How much did you pay?
Baim rot	Transport

Fri	Free
Baim	Paid
no save	Do not know
Nogat	Did not have
Yu baim hamas	How much did you pay?
Yu baim ol narapla samting tu?	Did you pay for any other service?
yes	Yes
no	No
Narapela sevis	Specify service
Yu baim hamas	How much did you pay?
Yu baim hausik long liklik moni bikos long gavman subsidy?	Did you or your household pay less than the normal health care fees because of a government discount or exemption?
yes	Yes
No	No
Nogat gavman subsidy	Not applicable
Yu pinisim nau ol askim long sait bilong ol pikinini. Sekim gen ol ansa sapos oli stret. Behain makim OK.	You have now finished the child under 5 questionnaire. Check responses are correct. Then select ok.
ok	ok

Anthropometric Measurements for Women and Children <5yrs	
Height/Length	Measurements were taken twice and for large discrepancies a third time and then averaged across all measurements recorded.
Weight	Measurements were taken twice and for large discrepancies a third time and then averaged across all measurements recorded
Mid Upper Arm Circumference	MUAC was recorded once.