ROTARIANS AGAINST MALARIA



LONG LASTING INSECTICIDAL NET DISTRIBUTION REPORT

CHIMBU PROVINCE Chuave, Karamui Nomane and Kerowagi Districts

Carried Out In Conjunction With The Provincial Government And Church Health Services Of Chimbu Province

With Support from the Global Fund, Against Malaria Foundation and nets contributed by the Chinese Government

27th June to 25th August 2020



Table of Contents

Executive Sun	nmary	3
Background		4
Schedule		7
Methodology.		7
Results		11
Conclusions		13
Appendix One	e – History Of LLIN Distribution In PNG	14
Appendix Two	Malaria In Chimbu Province Compared With Other Provinces	19
Appendix Thre	ee - Malaria By Altitude	21
Appendix Fou	r – Other Photographs	22
Annex One Annex Two	Detailed Distribution Data For Chuave District Detailed Distribution Data For Karamui Nomane District	

Please note that in the Annexes, villages shaded in yellow received conical nets from the Chinese Government in Nomane and Kerowagi and rectangular nets from the Global Fund in Chuave. All other areas shaded in green (dark green endemic malaria and light green epidemic prone areas below 1600m) received Safenets supplied by Against Malaria Foundation AMF.

Annex Three Detailed Distribution Data For Kerowagi District

Executive Summary

Chimbu Province is a province in the highlands of mainland Papua New Guinea (PNG). Chimbu Province in general has much of its population living at higher altitudes with only 5.6% of the population living below 1200m where malaria is endemic and these areas are all in Karamui of Karamui Nomane District. On the other side, about 20% of the population live in areas above 2000m where malaria is considered absent. The rest of the population live in malaria epidemic areas (19%) and the majority of the population (55%) living in areas which are considered areas of very low malaria transmission of *P.vivax* transmission only. This means that for practical purposes, most of the province has little risk to malaria except those living in Karamui and those living in the Waghi Valley where there is always a risk of epidemics.

The family level survey and distribution of Long-Lasting Insecticidal Nets (LLINs) was carried out in Chimbu Province in the districts of Chuave, Karamui Nomane and Kerowagi between 27th June and 25th August 2020. The population of Chuave, Kerowagi and Nomane are predominantly accessible by road with some villages needing trekking. However, Karamui can only be reached by air.

Table One shows the estimated population and actual population found along with the number of LLINs distributed by district. In total, 110,276 LLINs were distributed to a population of 222,041. This resulted in distribution of 49.7 nets for every 100 people in the province.

TABLE ONE - Population And Nets Distributed In 2020

District	Population from 2000 Census	Population Of Targeted Areas In 2017	Target Population 2020	Population Surveyed 2020	House Holds Surveyed 2020	Nets Issued 2020	Nets Distributed Per 100 People
Chuave	36,074	48,084	51,177	51,383	11,248	25,861	50.3
Karimi Nomane	36,334	55,988	59,021	56,599	10,474	28,837	50.9
Kerowagi	54,850	98,046	104,354	114,059	20,129	55,578	48.7
Totals	127,258	202,118	214,552	222,041	41,851	110,276	49.7

A further 756 LLINs were donated to health centres as nets were surplus to requirement or were no longer in bales and in most cases could not be easily returned to a central location. These nets would be used by pregnant mothers and for hospital beds where needed.

The overall operational cost of the programme was 472,000.79 Kina (Approximately US\$134,857) resulting in a cost of about 4.28 Kina or US\$1.22 per net delivered. This was about 25.0% over the anticipated budget. While there was some overspend in Car Hire and Human resources, the major issue was the program had to hire helicopters due to early rains setting in and two of the airfields becoming impossible for aircraft to land in Karamui.

Overall, the distribution went well in Chimbu Province with excellent collaboration from provincial health authorities which resulted in all targeted communities being reached and all household receiving nets. The only real problem occurred when early rains arrived in Karamui and an aircraft of Central Aviation got bogged down in Negabo Airstrip. Fortunately, the aircraft managed to free itself and take off but it meant that this and another airstrip could not longer be used which meant using a helicopter to assist which increased the overall cost of the program considerably.

Feedback from partners and communities suggest they were happy with the methodology used as the process appeared transparent to all concerned. However, as always, there were a few

families who complained that they did not receive enough nets but for the most part it is believed that this was a result of families not fully understanding the allocation system used.

Against Malaria Foundation (AMF) and the Chinese Government generously donated all the nets for areas below 1600m and above 1600m respectively for Chimbu Province while the Global Fund (GF) provided the delivery costs of nets at the family level. Without these three donors, the delivery of nets into Chimbu Province would not have been possible.

The history of LLIN distribution in PNG and Chimbu Province is discussed in Appendix One and the malaria situation and stratification of malaria in Chimbu Province are discussed in Appendix Two and Appendix Three. Historically it can be said that LLINs have had a tremendous impact on malaria in Chimbu Province particularly following the distribution of nets between 2009 and 2014. However, recent information appears to show that the LLINs are not having the same impact as had been previously expected and the introduction of these new types of nets was done to mitigate this problem. There have been indications that previous nets distributed have not been fully effective but it is hoped that the new nets will keep malaria out of the three districts in which this distribution occurred.



Fig.1 – Initial Pre-Planning Visit With Program Manager And The PHA (Left) And Initial Meeting With RAM Teams And The PHA When RAM Teams First Arrived In Chimbu (Right)

Background

Rotarians Against Malaria (RAM) is a nationally based organisation which was formed in 1997 by the Port Moresby Rotary Club in recognition of the tremendous burden that malaria imposes on the people of PNG.

RAM has an organizational mandate to work in malaria control and the distribution of LLINs in Papua New Guinea and has been working for many years with the National Department of Health (NDOH) and other partners including multilateral and bilateral agencies such as UNICEF and WHO (World Health Organisation), NGOs and church groups. (See Appendix One for full history of LLIN Distribution)

Since 2010, RAM has been coordinating the distribution of nets to all districts and provinces on a three-year recurrent cycle. This effectively means that RAM visits every village in PNG every three years. RAM has been funded by the Global Fund since 2009 and since 2017 also from Against Malaria Foundation (AMF) which supplied PNG with the majority of its nets in 2017 and from 2018 onwards to all areas below 1600m only where most of the malaria transmission can be found. The Global Fund resources therefore now mainly funds the LLIN distribution costs and other relevant administration costs. However, in 2020, PNG has been lucky to receive a donation of net from the Chinese Government and these were used for all

areas between 1600-2000m of altitude. It should also be noted that since 2015, the National Malaria Control Program no longer distributes nets in areas above 2000m as these are now considered too cold for malaria transmission to occur.

Generally, LLINs have been distributed to household level throughout the country but when shortage of funds occurred, different strategies of distribution have been used.

PNG can be roughly divided into five epidemiological zones.

- a) Areas which lie above 2000m in altitude which no longer receive LLINs as malaria transmission is not considered unlikely at these altitudes.
- b) Low lying areas of the country up to 1200m which have stable malaria endemicity and often have poor access to health continue to have household distributions.
- c) Areas from 1200 to 1600m which are generally considered to be of low transmission potential but traditionally have had occasional malaria epidemics due to poor immunity and changing weather conditions. LLIN distribution continue in these settings.
- d) Highlands regions between 1600 to 2000m in altitude such as Mount Hagen which have low malaria endemicity and generally easy access to health services. These are low priority areas and when funding is not available are left out. However, to date, these areas have been covered. From 2015 to 2016, these areas received nets for Under Five children only, and since 2017, to date, RAM has managed to find alternative sources to cover these areas. For example, in 2020, nets for these areas have been sources from the Chinese Government and in other areas from the Global Fund.
- e) In urban and peri-urban areas such as Port Moresby which are low lying areas with easy access to health, nets will not be distributed during funding constraints. Nets to these areas will be supplied through the private sector. Similarly, due to funding constraints in 2015, Lae City had Under Five Campaign LLINs only.





Fig.2 - Microplanning In Kerowagi HC (Left) And Kup HC (Right)

As a result of this stratification and when funds had been reduced such as at the end of 2014, areas above 2000m no longer received nets and areas from 1600 to 2000m only received under five campaigns in 2015 and 2016. However, fortunately, due to the LLIN donation from the Against Malaria Foundation (AMF) in 2017, all areas are now receiving household distribution of nets except areas above 2000m, and some urban areas such as NCD, Goroka, Mount Hagen and Mendi. However, funding for areas between 1600-2000 metres remains tentative after 2018 as AMF does not cover these areas but in 2020, Chimbu is fortunate in that the Chinese Government gave a large donation of nets, many of which have been used in the highlands.

For planning purposes, LLIN for household distribution is calculated at a rate of approximately one net for every two people for people who live below 2000m.

One of the conditions of the AMF donation is that RAM would strengthen the way in which surveys are carried out. These new innovative processes are described in the Methodology Section. These methodologies are now being carried out since the beginning of 2017. The major change to the survey methodology suggested by AMF is that previously a village meeting was called after a survey was carried out where names of family members were read out to ensure that all households had been surveyed. Instead of this process, a summary of every village surveyed is posted for 24 hours in a public place so that villages can ensure that all their family members have been included in the survey. As a further verification process, members of RAM and local health staff team carry out random house surveys of 6% of households in every village to ensure that the survey process has been carried out correctly.

For household LLIN distributions, regardless of where they are carried out, they must include a survey and a distribution phase though implementation methods may considerably vary depending on specific circumstances. RAM's approach has been to concentrate on programme quality thus RAM develop methodologies that ensure that all recipients in an area actually receive nets and that this can be reported accurately.

The other major change to the original PNG programme of 2004 to 2009 carried out by the NDOH is that nets are allocated to families on a needs basis rather than simply the number of people in the family. Data analysis of National Capital District (NCD) data has shown that this gives a ratio of nets needed to be about 47 for every 100 people. In the previous LLINs distribution of Round-3 in 2006 to 2010, nets were allocated at a rate of one net to every 2.5 people. With the programme only receiving 80% of LLIN needs, and most provinces distributing for example two nets to families of three, in practically every province, nets ran out before the end of the distribution. The RAM programme makes all attempts to assure that this distribution anomaly does not happen by collecting all population information at the beginning of the program and then allocate the nets based on family needs. This strategy is practiced to ensure that all families receive nets throughout any given province. The only scenario where survey and net distribution may be done simultaneously is in very remote locations where it is not practically possible to return a second time to a location. This is particularly the case in remote villages which can only be reached by boat or very long treks and it is costly and impractical to return to the villages for a second time.

In terms of coordination, RAM officers are allocated to specific LLGs or health centres where they coordinate the programme together with local health staff. In this capacity, RAM officers act as facilitators in terms of technical guidance to district health teams in each LLG as well as acting as financial officers and assuring quality control of activities taking place.





Fig.3 – Survey Volunteer Training In Wangoi (Left) And Norgar (Right)

TABLE TWO

General Timetable Of Activities In Chimbu Province

	Sur	vey	Distribution		
District	Start	Finish	Start	Finish	
Chuave	03.08.20	19.08.20	13.08.20	25.08.20	
Karimi Nomane	30.06.20	03.08.20	19.07.20	16.08.20	
Kerowagi	27.06.20	12.07.20	06.07.20	23.07.20	

Schedule

Referring to Table Two, it can be seen that the distribution in Chimbu started on the 27th June in Kerowagi followed shortly afterwards by Nomane in Karamui Nomane. Chuave and the Fly In areas of Karamui were done last in August. All three districts completed their distributions by the 25th August 2020.

Methodology

Prior to planning and implementation, a master list of all villages of Chimbu Province was drawn up using data from the 2000 Census and the last RAM survey of 2017. Villages in the list were organised by LLG and Ward. In this master list, the estimated population for 2020 for each village was estimated and recorded in two ways. Firstly, the population of each village is estimated using population figures from the 2000 Census and the estimated annual growth rate for Chimbu Province and then secondly, by taking the population surveyed in 2016 and applying the annual growth rate to each village.

In all areas, Health Centres form the hub from which distribution takes place to the respective villages in each health centre's catchment area. Therefore, with the planning data at hand, RAM staff work together with the Provincial Health Office to allocate every village to its nearest health centre (government or Church Based) and outlines how each village is reached from each health centre. From this it is possible to create a budget, estimate how many nets are needed to be sent to each health centre and work out any other logistic considerations such as use of airplanes or boats to deliver nets to some remote areas.

Once all logistical needs are calculated and nets delivered to the province or district, a RAM team will travel to the province. Once they are in the province, RAM officers are allocated to work with each health centre which becomes the centre of operations for that area.

With the arrival of RAM officers, each health facility identifies health staff members or non-health community volunteers to be involved with the programme. If local health staff are selected, then they are referred to as District Health Team (DHT) but if a non-health staff is selected then they are termed as a Team Leader. Both DHTs and Team Leaders are responsible for the survey and distribution of nets. Each DHT and Team Leader works only in the area in which the health facility is based.

Before any activities take place, RAM officers are expected to work with health staff and other team leaders to make detailed plans (micro-planning) of their activities for training, survey, verification and distribution of nets. This process involves making maps of the area, deciding how many teams are needed, and then making detailed work plans for each of the team members. This process also involves verifying that no villages have been left out of the census list and that the whole area is covered.

Also prior to field activities in any given LLG or health centre, a social awareness campaign was carried out in all villages informing villagers of the upcoming survey and distribution. This was also used as an opportunity for RAM officers to become familiar with each area. During

this process, key malaria messages were also discussed with villagers such as the need to use LLINs every night.

During the social awareness campaign, a daylong training meeting is normally held at each health facility for all DHT members in that area who jointly carry out the micro-planning exercise. These training and micro-planning sessions as well as all other activities associated with the programme are coordinated by RAM project officers together with health counterparts at provincial and district levels. RAM officers also have the responsibility to ensure the LLINs operation is kept in line with the original budget.

Survey

The survey was carried out in the following way.

- 1) When arriving at a village and before starting the census process, a meeting was held with village elders explaining the process.
- 2) If village elders have an up to date list of all village occupants, the team would use this list to compile a census but still visit every household to confirm this information.
- 3) Where a village is small, e.g. less than 30 families, team members may carry out the census by themselves.
- 4) Where villages are large, village volunteers were identified with the assistance of the village chiefs, elders, health staff and councillors. One volunteer was chosen for each group of about 50 families with volunteers chosen by natural divisions in the village e.g. clans where one volunteer would make a list of only one clan. These volunteers were trained to carry out the survey by actually surveying houses with the team leaders supervising and assessing the recording. Once the team leader was confident that the volunteers knew the survey methodology, they were left to continue with the household survey with survey teams returning within an agreed period to verify the work of the survey volunteers, collect survey books and also to pay the survey volunteer, provided that the work was carried out correctly. The training of volunteers may occur in groups or individually depending on access to the village and its proximity to other villages.





Fig.4 Survey Verification - Public Notice In Bogo (Left) And Haia (Right)

- 5) For each household surveyed, all family members who normally reside at the household for a minimum of nine months were recorded by Name, Age, Sex and Relationship to head of household. All names and other information was recorded in the survey book with one survey form being used for each household.
- 6) After surveying a household, a white copy of the census form was given to the head of household or most senior person present in the household.

- 7) Where a whole household was absent, information was taken from the neighbours and the white survey form left with them.
- 8) In all cases, after the census/list was finished, all the information about the households and number of household members is entered into a summary sheet. This list is then hung in a public place where all villages can verify that the right number of family members for each household has been recorded and that all families have been included in the survey. After the list has been in a public place for 24 hours, then the volunteer requests for the RAM officer and or DHT to visit the village.
- 9) RAM officers and DHTs must visit three households randomly from each survey book (6%) and verify that the survey has been carried out correctly. Only when this has been done, then the volunteer can be paid.
- 10) If a village was surveyed by more than one volunteer, then volunteers were asked to work together so that lists can be hung together and the village volunteers can be verified at the same time. This process also ensures that households do not appear on more than one list. After this process, both the volunteers and the village elders sign a form to verify that this was done.
- 11) All village volunteers received a standard payment of 20 kina a day. Experience has shown that volunteers can usually only survey about 25 households a day, so for the most part, they would receive up to two days' allowance to complete a survey book (50 households).
- 12) All volunteers were also given a small training manual. Contained in this training manual are key health education messages about malaria which volunteers are expected to discuss with households. This perhaps is the only project in PNG that is able to reach down to potentially every household in the country.

To aid with the survey, the master plan with names of all census units in all the wards in the district had been printed out and given to all the DHTs and team leaders. This document also provides the projected population per census unit as well as other information which might be useful to the area concerned.

After collecting survey data from each village, the information is immediately compared with the data on the master sheet. Where the surveyed population is very different from the projected population, the project staff make enquiries into the reasons for these discrepancies.

Following the survey, all data was entered into a computer where possible or entered into a master sheet of the area concerned. For each village, nets were allocated to each family on a needs basis and this is also entered into the computer or master sheet. This process ensured that all villages received nets and that there would be no shortfalls.

The needs basis in PNG is based on the assumption that children under the age of six sleep with their parents, after which boys and girls are grouped separately from their parents. Nets are also allocated based on the number of children in the house, their ages, and whether there are other dependents living in the households such as grandparents. A full description of the allocation system can be obtained from RAM officers but suffice to say a family of four could receive between one to four nets depending on the sex and age of family members.

Nets are allocated to each LLG based on assumed populations of each LLG and it was important prior to the distribution to ensure that when allocations had been carried out to families and villages that there were enough nets available to cover each and every family.

Distribution

There was no official launch for the LLINs distribution in Chimbu Province. However, prior to distribution there was a social awareness phase where the project teams informed communities about the arrival of the distribution teams, especially those accessible by road.

The LLINs were then distributed to teams depending on the needs of each village. The LLINs were then distributed by village or wards depending on whether villages were close together. In this latter case, a central location was identified in the ward and then distribution of nets was carried out. In terms of distribution sites, villages were organised in different ways to make the flow of nets easy and effective. However, the actual organisation depended on each team and the structure of the various groups receiving nets.

All net packaging was opened at distribution site with a district code printed on each net e.g. CHP20 meaning Chimbu Province 2020. This code is added to identify nets to assist in future monitoring exercises as well as discouraging householders from selling the nets on the open market.

Some examples of the process used to control the crowd includes;

- Arranging the people according to the serial numbers in the survey books e.g. 72001 -72050 and then calling the names and the serial numbers.
- Call the names of the owners of the households, collect the white copy and give the nets.
- Wait for everyone to come to the distribution site, collect all the white copies and sort the copies with the pink copies. Call the names on the white copies and give the nets.

Some of the following control methods were used.

- Everyone who presented with a white copy was given LLINs at the distribution site with LLINs only given to the owner of the house or a member of the house whose name is written on the back of the survey form.
- Those people who lost the white receipts were left to the end of each distribution, with nets
 only being issued if the name of the person collecting the nets was found on the back of
 the pink copies.
- For those families who were absent at the time of distribution, their names were written in a form – MOSQUITO NETS HELD IN TRUST BY VILLAGE CHIEFS FORM and the nets allocated to missing families were given to chiefs or any person entrusted by the community with the forms for these families to collect their LLINs later.
- Householders are now being asked to make a thumb print as proof of delivery of nets to a
 household. The Global Fund had formally asked that householders should sign for delivery
 of nets. This was considered problematic as many householders are illiterate and even
 where householders can write, this process takes a long time in what is often a very chaotic
 and charged environment where speed is of the essence.

It should also be noted that surveys and distributions took place at more or less the same time in some remote places of Chimbu Province. This is particularly true for mountainous villages or small islands which might take several hours or days to reach. In these instances, estimations based on the 2000 Census data and local knowledge used to pre-allocate nets. Teams were then dispatched to these areas with nets. On arrival in these remote places, surveys took place and were immediately followed by a distribution based on the survey results.

Other details

In the case of Chimbu Province, all LLINs were ultimately delivered to Lae by ship from China. In the case of AMF nets these came in about three containers directly from China and were rectangular and blue in colour. These nets are known as SafeNet and were supplied without plastic packaging to reduce the environmental impact of plastics in PNG. The remaining nets were part of a Chinese Donation of 600,000 white conical nets which were delivered to the National Department of Health in Port Moresby. Some of these nets were allocated to the

highlands and for this reason RAM purchased containers and shipped the nets to Lae. All nets arriving in Lae were stored in the Mapai Transport yard before being sent by truck to Mount Hagen and Goroka. Net sent to Mount Hagen were delivered by truck to Kerowagi and Kundiawa (Capital of Chimbu Province) for distribution in Kerowagi and Nomane and by air to Karamui. Nets for Chimbu Province were supplied from Goroka.

Results

Table Three shows the estimated population and actual population found in Chimbu along with the number of LLINs distributed while Table Four shows the same information but by LLG. In total, 110,276 LLINs were distributed to a population of 222,041 people. This resulted in distribution of 49.7 nets for every 100 people in the province.

Referring to both Table Three and Table Four, it can be seen that the overall population growth rate appears to have risen compared with previous periods in which distributions have been carried out. It is not clear why these population growths are so large in Kerowagi, but in case of Karamui Nomane where a very small increase has been noted this is probably a result of rural urban drift from places with very few services. Alternatively, in 2017, the population growth of Kerowagi was much lower than expected and it was thought at this time that people were migrating to Madang and Lae City. One possibility is that this migration has reversed particularly with issues related to Covid 19 and people not being able to find work in the lowland areas have returned home.

TABLE THREE
Nets Distributed At District Level In Chimbu Province

District	Population from 2000 Census	Population Of Targeted Areas In 2017	Target Population 2020	Population Surveyed 2020	House Holds Surveyed 2020	Nets Issued 2020	Nets Distributed Per 100 People	Growth Rate Against 2016 Survey
Chuave	36,074	48,084	51,177	51,383	11,248	25,861	50.3	2.24
Karimiu Nomane	36,334	55,988	59,021	56,599	10,474	28,837	50.9	0.36
Kerowagi	54,850	98,046	104,354	114,059	20,129	55,578	48.7	5.17
Totals	127,258	202,118	214,552	222,041	41,851	110,276	49.7	3.18

TABLE FOUR
Net Distributed At LLG Level In Chimbu Province

LLG	District	Population from 2000 Census	Population Of Targeted Areas In 2017	Target Population 2020	Population Surveyed 2020	House Holds Surveyed 2020	Nets Issued 2020	Grow th Rate Against 2016 Survey	Nets Distributed
Chuave Rural	Chuave	11,983	17,269	18,380	18,016	3,719	9,148	1.42	50.8
Elimbari Rural	Chuave	12,828	14,706	15,652	16,800	3,700	8,368	4.54	49.8
Siane Rural	Chuave	11,263	16,109	17,145	16,567	3,829	8,345	0.94	50.4
Karimui Rural	Karimi Nomane	16,864	30,018	31,949	31,460	5,362	15,978	1.58	50.8
Nomane Rural	Karimi Nomane	6,707	8,597	8,962	8,719	1,684	4,380	0.47	50.2
Salt Rural	Karimi Nomane	12,763	17,373	18,110	16,420	3,428	8,479	-1.86	51.6
Gena\Waugla Rural	Kerowagi	15,800	29,525	31,424	34,669	6,302	17,590	5.50	50.7
Kerowagi Rurl	Kerowagi	26,618	50,188	53,417	58,932	10,396	27,592	5.50	46.8
Kup Rural	Kerowagi	12,432	18,333	19,512	20,458	3,431	10,396	3.72	50.8
Totals		127,258	202,118	214,552	222,041	41,851	110,276	3.18	49.7

Table Five shows that 781 nets were left over at the end of the program and were donated to health centres. In general, these nets were left where the nets were loose and no longer in

bales the return of the nets were few or could be difficult to return to a central location. In general, these nets would be used for hospital beds or for antenatal mothers.

TABLE FIVE Nets Donated To Health Centres

District	LLG	НС	Donated
Chuave	Siane Rural	Yandime HC	15
Karimui Nomane	Karimui Rural	Sigamuru HC	192
Karimui Nomane	Karimui Rural	Negabo HC	137
Karimui Nomane	Karimui Rural	Bomai HC	74
Karimui Nomane	Karimui Rural	Haia HC	18
Karimui Nomane	Nomane Rural	Nomane HC	120
Kerowaghi	Kerowagi Rural	Demange HC	20
Kerowaghi	Kerowagi Rural	Miunde HC	22
Kerowaghi	Kerowagi Rural	Bogo HC	8
Kerowaghi	Kup Rural	Kup HC	50
TOTAL			756

Based on Table Six, it can be seen that the overall operational cost of the programme was 472,000.79 Kina (Approximately US\$134,857) resulting in a cost of about 4.28 Kina or US\$1.22 per net delivered. The overall cost was about 25.0% over the anticipated budget. While there was some overspend in Car Hire and Human resources, the major issue was the program had to hire helicopters due to early rains setting in and two of the airfields becoming impossible for aircraft to land in Karamui. It is also noted that fuel is much less than expected. This may be a result of buying fuel in bulk in Mount Hagen due to the remote locations of some areas where fuel service stations are absent. It is believed that some of the fuel drums were costed to other provinces.

TABLE SIX
Cost Of Programme In Chimbu Province (All Costs in Kina)

				%
Expense Types	Budget	Actual	Variances	Variance
Human Resources	K125,818.35	K141,680.00	-15,861.65	-12.6
Fuel Cost	K28,158.00	K8,351.07	19,806.93	29.7
Car Hire Cost	K176,400.00	K212,700.00	-36,300.00	-20.6
Aircraft Hire Cost	K27,500.00	K102,680.00	-75,180.00	-273.4
Stationeries/Supplies	K3,000.00	K3,508.95	-508.95	-17.0
5% Contingency	K16,783.82	K3,080.77	13,703.05	18.4
Totals	K377,660.17	K472,000.79	-94,340.62	-25.0

TABLE SEVEN Cell and Radio Coverage In Chimbu Province

District	Villages	House Holds Surveyed	Digicel	Bmobile	City Phone	Houses with Radios	Villages With Radio Networks
Chuave	237	11,248	227	54	0	4,014	197
Karimi Nomane	200	10,474	186	27	0	1,589	191
Kerowagi	241	20,129	239	105	0	5,561	239
Total	678	41,851	652	186	0	11,164	627

The project also looked at radio or cell phone coverage in the different parts of Chimbu Province. Referring to Table Seven, it can be seen that radio and cell phone coverage is exceptionally good compared in Chimbu and generally much better that other parts of the country, even in the remotest areas. Getting health information to village level with this level of coverage of both radio and cell phones should be relatively simple.



Fig.5 - Distributions In Kerowagi (Left) And Mingende (Right)

Conclusions

Overall, it can be said that the LLIN distribution in Chimbu Province was generally a huge success both in terms of results and collaborative work done by staff from RAM, provincial and district health authorities, and the Catholic Church, Lutheran Church, Anglican Church and Seventh Day Adventist Church Health Services who have a presence in the province. Through this collaboration, the data suggests that all villages and practically all families in those villages received nets despite many local challenges.

The only real problem occurred when early rains arrived in Karamui and an aircraft of Central Aviation got bogged down in Negabo Airstrip. Fortunately, the aircraft managed to free itself and take off but it meant that this and another airstrip could no longer be used which meant using a helicopter to assist which increased the overall cost of the program considerably.

Due to increased economic pressures due to Covid 19, RAM had received reports of volunteers charging villagers for nets and registration in Western Highlands and Jiwaka. It is good to report that no such incidents were reported in Chimbu. This is believed to be a result of increased advocacy against this in meeting with provincial, district, health centre staff and with volunteers themselves.

As with other provinces in the country where RAM has operated in over the last ten years, the methodologies used this time, including survey verification processes appeared practical and were openly welcomed by both villagers and implementers, particularly the practice of hanging up the list of names in the middle of the village following a survey. This allowed communities to feel that they were part of a transparent process. This is not to say that perhaps some extra people managed to slip into the books, but in general, it was felt that the system was fair and included practically everyone concerned. The use of the master lists also ensured that all villages were reached and accounted for.

The review of the data prior to the distribution was also important. This ensured that all villages and families received the correct numbers of nets. The 2000 Census Lists were very important to ensure that survey teams reached all villages: without the complete list of villages, it would be very difficult to make a detailed report.





Fig.6 - Distributions in Wangoi (Left) And Haia (Right)

The greatest complaint still received from communities was the number of nets they received. Even though the team explained the logic of how the allocation of nets is calculated, some families were expecting one net per person, others expected it to be based on a fixed allocation based on the number of people in the family, and yet others thought they would be given nets based on the number of nets they stated they already had. This highlights that a better system of explaining the allocation system still needs to be developed. In general, unlike some previous districts covered by RAM and DHTs of Chimbu Province assisted in the allocation of the nets which meant they were in a better position to explain the distribution system on the ground. Nevertheless, despite all the difficulties involved, it would appear that the vast majority of community members accepted the outcome and there were no real problems or complaints encountered.

Acknowledgements

On behalf of the Rotarians Against Malaria, the household distribution team who worked in Kerowagi, Karamui Nomane and Chuave districts, would like to sincerely acknowledge and thank the Chimbu Provincial Health Authority and the District Health Staff of the three districts for the excellent help and cooperation during the Long Lasting Insecticide Nets (LLINs) distribution programme.

In particular, we would like to thank at provincial level Dr Francis Wandi (Chief Executive Officer) and his team with special thanks to Mr Jerry Kubu (Director Public Health), Mr Titus Tul (Rural Health Services Coordinator), Mr Mathew Boi (Provincial Disease Control Officer) and Mr Menau Manga (Malaria Surveillance Officer).

For the district staff, we would like to sincerely thank all those who tirelessly took part in the programme, and in particular we would like to mention the following people who were instrumental in providing the local expertise and advice from planning to implementation of the programme in the three districts namely:

Kerowagi District

Name	Occupation	Institution
Mr. John Kerenga	District Disease Control Officer	Kerowagi District
Mr. Steven Gene	District Health Officer	Kerowagi District
Mr. Peter Kelly	Disease Control-Catholic Health Services	Kerowagi District
Mr. Thomas Sipa	Deputy Director-Nursing Services	Migende Health Centre
Mr. Joe Tul	LLG Census Coordinator	Kup Health Centre
Mr. Joseph Temen	Officer in Charge	Kup Health Centre

Mr. Thomas Mondo	Officer in Charge	Miunde Health Centre
Mrs. Rita Mondo	Senior Nurse	Miunde Health Centre
Mr. Korond Siwi	Officer in Charge	Demange Health Centre
Mr. Baron Danga	Community Health Worker	Kewamugl Aid Post
Sr. Lois Felix	Community Health Worker	Kewamugl Aid Post
Sr. Martha	Community Health Worker	Demange Health Centre
Sr. Miriam	Community Health Worker	Demange Health Centre
Mrs. Clare Tamaga	Officer in Charge	Bogo Health Centre
Mr. Bomai Benson	Community Health Worker	Nogar Health Centre
Mr. Kawagle William	Community Health Worker	Nogar Health Centre
Mr. James Kinim	Chairman	Kendine Health Centre

Karamui Nomane District

Name	Occupation	Institution
Mr. Lucas Koi	District Disease Control Officer	Karimui District
Mr. Raphael Sipa	Community Health Worker	Kilau Health Centre
Mr. David Moses	District Health Officer	Salt Nomane-Karimui Nomane
Mr. Elvis Abba	Officer in Charge	Bomai Health Centre
Mr. Tom Kui	Health Centre Committee	Bomai Health Centre
Mr. Nimson Nimiyasi	Officer in Charge	Haia Health Centre
Mr. Noel Tombe	Community Health Worker	Haia Health Centre
Mr. Joe Mathew	Officer in Charge	Sigamaru Health Centre
Mr. Wesley John	Community Health Worker	Nomane Health Centre

Chuave District

Name	Occupation	Institution
Mr. Andrew Kumanar	District Disease Control Officer	Chuave District
Mr. Donald Korango	Officer in Charge	Yandime Health Centre
Mr. Kene Baro	Nursing Officer	Yandime Health Centre
Mr. Caspar	Officer in Charge	Wangoi Health Centre
Mr. Bonny Goro	Community Health Worker	Wangoi Health Centre
Mr. Joe Kora	Community Health Worker	Monono Health Centre

RAM would like to specially acknowledge the support received from established and local service providers for logistical support namely; Mapai for transporting eight containers from Lae to Western Highlands and then to Chimbu having two stationed at Kundiawa, two at Kerowagi and three at Chuave.

RAM also thanks Airport hire car, Pishon hire car, Manawa hire car, Fly hire car and all the local hire car owners for providing their service for this operation. We would not have reached many communities without the dedication of the drivers. RAM also extends its gratitude to Central Aviation who provided us aircraft support and Heli Solutions who provided helicopter support to reach remote areas where the airplane could not land. RAM would like to also thank Puma Energy for supplying bulk fuel for the operation.

RAM also thanks all the church run health facilities coordinated under Catholic Church, Lutheran Church, Seventh Day Adventist Church, Anglican Church and lastly to all the Government run facilities for allowing their staff to work with the RAM team.

Last but not the least, RAM would like to extend our acknowledgement and appreciation to all the hard working volunteers and local community leaders for ensuring all homes were surveyed and assisted in distributing all the nets. RAM thanks you all very much for your hard work, support and local expertise in making the overall program a success.

Appendix One – History Of LLIN Distribution In PNG

The use of Insecticide Treated Nets (ITNs) started in PNG in 1985 when the PNG Institute of Medical Research (IMR) conducted one of the first trials demonstrating the health impact of treating mosquito nets with insecticide. The study, done near Madang, showed a reduction of *P.falciparum* incidence and prevalence in children below five years of age sleeping under permethrin-treated nets. The protective effect of insecticide-treated nets (ITNs) was also confirmed in many other trials around the world. As a consequence of such findings, the national malaria control program in PNG started emphasizing the use of ITNs in 1989. However, no regular or large-scale distribution of ITNs was carried out at this time.

In the following years, coverage with mosquito nets and other control interventions remained patchy and low in many parts of PNG. It was during this period that Rotarians Against Malaria (RAM) was created from the Port Moresby Rotary Club in 1997. Using a donation of 150,000 treated nets given to them from the National Department of Health (originally from AusAid), RAM successfully ran a revolving fund of nets in which nets were sold at a price which allowed the proceeds to buy more nets. RAM did this successfully for many years distributing about 45,000 treated nets a year from 2000 to 2004.

Prior to 2004, most treated nets had to be re-treated every six months or a year which requires a lot of work and organisation. In early 2004 everything changed with the introduction of Long-Lasting Insecticidal Nets (LLINs) which would last for 20 heavy duty washes and effectively no longer required to be treated repeated. This change in nets also coincided with the introduction of the Global Fund into PNG known as the Global Fund Round 3.

From 2005 to 2009 the malaria programme in PNG received and delivered about 2.3 million nets throughout the country at a rate of one net for every 2.5 people. The delivery of nets to village level was under the provincial health authorities and reached most parts of the country with Rotarians Against Malaria (RAM) being responsible in delivering the containers of nets to the provinces from Port Moresby and Lae where the nets arrived from overseas.

While the programme was very successful in some areas it was not so successful in others. Problems included slow release of funds from central to provincial level, some provinces not following technical guidelines given resulting in some areas not been covered, and technical and financial reporting leaving a lot to be desired in many of the provinces. When further funds became available in what is known as the Global Fund Round Eight, it was decided that Rotarians Against Malaria (RAM) would take over the coordination of the LLIN programme.

This change has resulted in RAM being responsible for the overall coordination of the LLIN distribution of LLINs in the country particularly in the areas of quantification, procurement, reporting and delivery to provincial and district level. However, the actual delivery of nets to village level is a collaboration between RAM, provincial health authorities and district health and health centre staff.

Fig.1 shows the distribution of nets to districts and provinces from 2006 to 2009 while Fig.2 shows the distribution of nets from 2010 to 2014 and Fig.3 shows the distribution from 2015 to 2017 which includes under five distributions in 2016 and 2017. Under Five distributions had been carried out in areas above 1600m and in Port Moresby and Lae City due to lack of funds. This situation changed when support from Against Malaria Foundation was received.

Up until December 2018, a total of 11.2 million LLINs had been distributed to household level under the coordination of RAM. Therefore, with the 2.5 million nets distributed from 2006 to 2009, this means that about 13.7 million nets have been delivered to household level in PNG since 2006. This is more than one net per every person in PNG. RAM has also distributed

about another 1.5 million nets to health centres for distribution to pregnant women and for prisons and boarding schools.

It should also be noted that alongside developments related to treated mosquito nets, the first cases of chloroquine-resistant malaria were reported in 1976. This progressed rapidly to widespread resistance of *P.falciparum*, and to a slightly lesser extent *P.vivax*, to chloroquine, amodiaquine and sulphadoxine-pyrimethamine (SP). In studies conducted between 2003 and 2005, even combination regimens of these drugs faced up to 29% resistance of *P. falciparum*². This situation together with Global Fund Round 8 *also* saw the introduction of artemether lumefantrine branded as Malawan, IPT (Intermittent Preventative Treatment) for antenatal women.

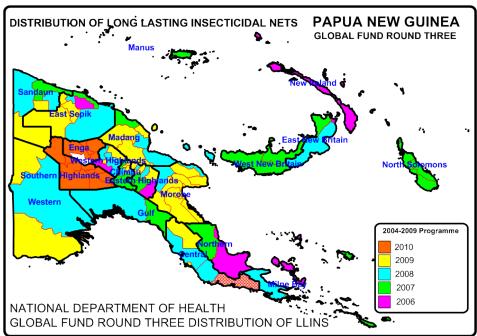


Fig. 1 Distribution Of Nets Under National Department Of Health From 2006 To 2010

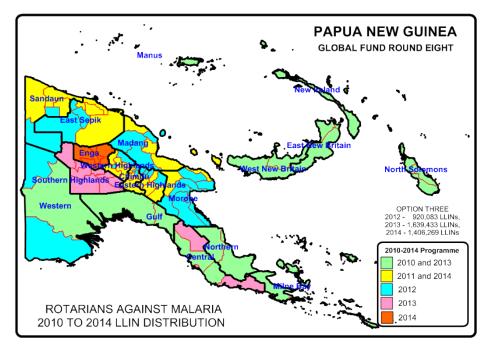


Fig.2 Distribution of LLIN Programme 2010 to 2014

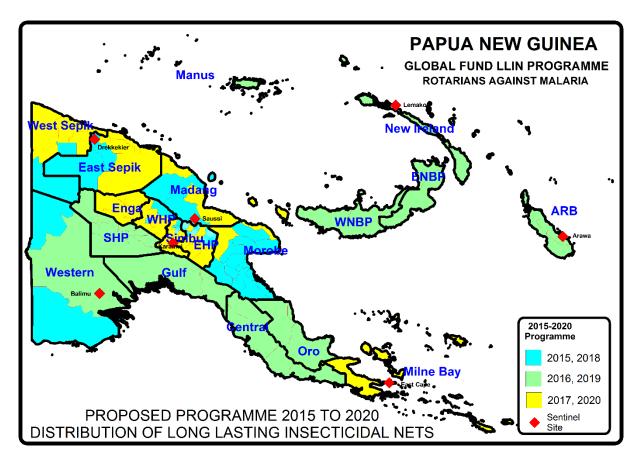


Fig.3 LLIN Distribution Programme 2015 to 2020

TABLE ONE - LLINs Delivered In PNG Under Coordination Of RAM From 2010

Period	Dates	Districts	Provinces	Nets Delivered
Phase One (2010-2011)	Nov 09 - Oct 11	50 Districts	18 Provinces	1,890,448
Year 3 (2012)	Nov 11 - Sep 12	27 Districts	10 Provinces	832,671
Year 4 (2013)	Oct 12 - Sep 13	28 Districts	12 Provinces	1,210,391
Year 5 (2014)	Oct 13 - Sep 14	23 Districts	11 Provinces	1,374,791
Year 5 (2014) No Cost Extension	Oct 14 - Dec 14	Okapa, Lufa, Madang, Angoram, Maprik, Yangoru Saussi, Wew ak, Aitape Lumi, Nuku and Vanimo Green	EHP, Madang, East Sepik and Sandaun	454,806
Year 6 (2015)	Jan - Dec 2015	29 Districts	11 Provinces	932,822
Year 7 (2016)	Jan - Dec 2016	27 Districts	13 Provinces	805,597
Year 8 (2017)	Jan - Dec 2017	36 Districts	13 Provinces	1,543,947
Year 9 (2018)	Jan - Dec 2018	27 Districts	11 Provinces	1,211,922
Year 10 (2019)	Jan - Dec 2019	26 Districts	12 Provinces	1,266,525
	Jan - Mar 2020	Pomio, Rabaul, Kokopo, Samurai Murua, Kiriwina Goodenough, Ess'ala, Alotau, Wabag	East New Britain, Milne Bay, Enga	296,227
	Apr - Jun 2020	Mul Bayer, Tambul Nebliyer, North Waghi, Anglimp South Waghi	Enga, Western Highlands, Jiwaka	356,781
New Funding M	odel (2015-2018)			6,413,821
Round Eight (20	010 - 2014)			5,763,107
Overall Total Ph	nase One and Phase	Two And NFM		12,176,928

Appendix Two – Malaria In Chimbu Province Compared With Other Provinces

Fig.1 shows the decrease of malaria from 2007 to 2015 in all provinces, Fig. 2 shows the actual malaria incidence in 2019 in compared with other provinces and Fig.3 shows annual malaria trends from 2015 to 2019. In Chimbu, it can be seen from Fig.1 that malaria decreased from 2007 to 2015 by 80% which is a similar decrease to other highland provinces. However, in Fig.2, in 2019 it can also be seen that Chimbu had an incidence of 18 cases per 1000 population which is one of the lowest incidences of malaria in PNG. Fig. 3 and Fig. 4 show that malaria has remained very low in recent. Fig.4 also shows the malaria incidence reported since 2005 against LLIN distributions. The impact of LLINs in reducing malaria in Chimbu is very apparent after 2005. Reports suggested that distributions started in Chimbu in 2007 but data suggests that they started earlier in 2006. Similar reductions in malaria are apparent after the RAM coordinated programs in 2011 and 2012.

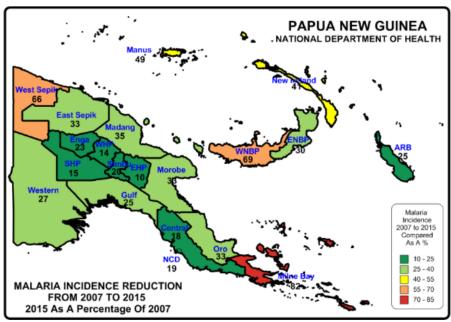


Fig.1 - Relative Reduction Of Malaria In Provinces Of PNG

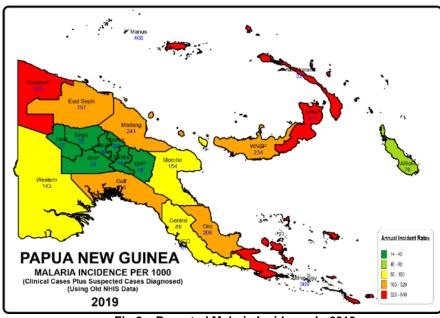


Fig.2 - Reported Malaria Incidence In 2019

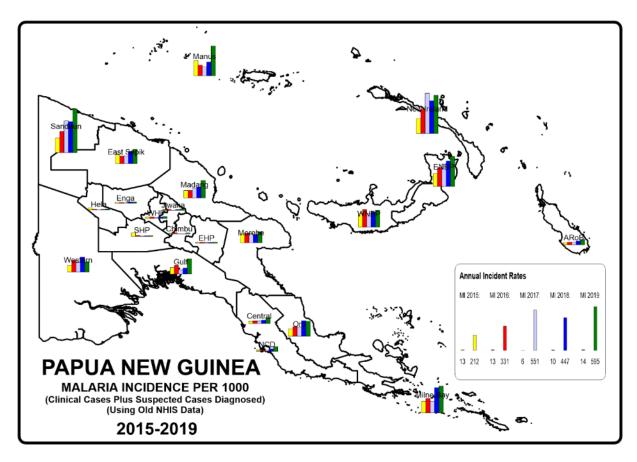


Fig. 3 - Reported Malaria Incidence In PNG From 2015 To 2019

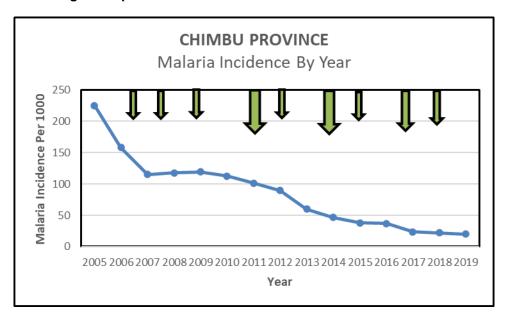


Fig. 4 – Malaria Incidence Versus Distribution Of Nets

(Big arrows represent distributions done in Chauve, Gumine, Karamui Nomane in 2011 and 2014, with smaller arrows showing distribution in Karamui Nomane and Kerowagi in 2007, Chuave and Gumine in 2008 and Sinasina Yongumugl and Kundiawa Gembogl in 2009, 2012 and 2015, Chuave, Karamui and Kerowagi in 2017, and Sina Yongumugl, Kundiawa Gembogl and Gumine in 2018. Gumine was not accessible in 2017. The distributions before 2010 were carried out by Provincial Health Authorities' and the rest were coordinated by RAM and PHA staff together)

Appendix Three - Malaria By Altitude

Chimbu Province is a province in the highlands of mainland Papua New Guinea (PNG). Chimbu Province in general has much of its population living at higher altitudes with only 5.6% of the population living below 1200m where malaria is endemic and these areas are all in Karamui of Karamui Nomane District. On the other extreme, about 20% of the population live in areas above 2000m where malaria is considered absent. The rest of the population live in malaria epidemic areas (19%) and the majority of the population (55%) living in areas which are considered areas of very low malaria transmission of *P.vivax* transmission only. This means that for practical purposes, most of the province has little risk to malaria except those living in Karamui and those living in the Waghi Valley where there is always a risk of epidemics.

ALTITUDE 0-400m 400-800m 800-1200m 1200-1600m 1600-2000m 2000-2400m 2400-2800m **MUGL** 2800-3200m 3200-3600m 3600-4000m 4000-4400m Over 4400m Village CARIMUI/NOMANE **CHIMBU PROVINCE ALTITUDE ZONES**

Fig. 1 Altitude Zone In Chimbu And Western Highlands Province

Appendix Four – Other Photographs



Distributions In Wangoi



Combined Airplane (Left) And Helicopter (Right) Operation Due To Waterlogged Airstrips In Some Locations



Unloading A Container (Left) And Chinese Nets In Container (Right)

OTHER PICTURES





Car problems In Kilau (Left) And Nogar (Right)





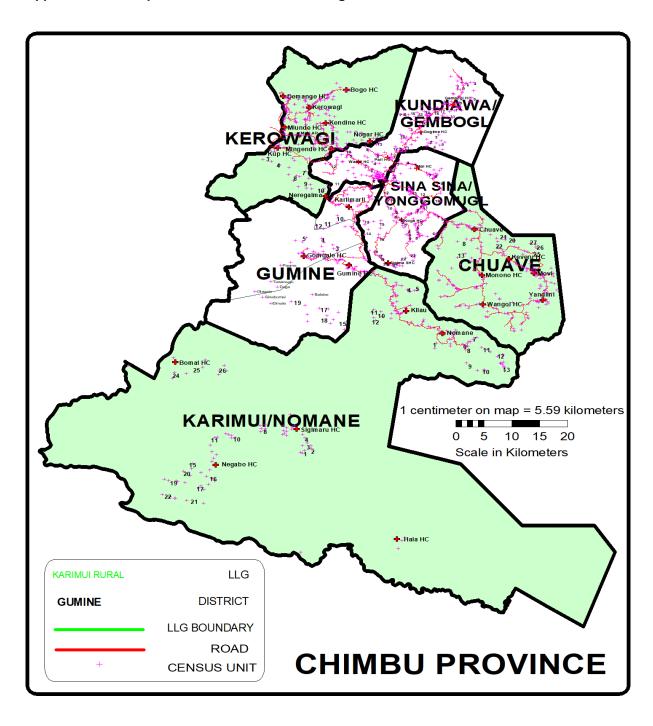
Trekkers In Kilau





Happy Customers In Bogo (Left) And Wangoi (Right)

Appendix Five - Map Of Chimbu Province Showing Census Points Of 2000 Census



ANNEX ONE

CHIMBU PROVINCE CHUAVE DISTRICT POPULATION 2020 LLIN DISTRIBUTION SUMMARY SHEET

Compared Compared			RIBUTION SUMMARY SHEET													
STRICK/DEC 13,000 13,000 13,000 13,000 10,000	LLG	WARD	VILLAGE	2020 Data Based On 2000	2020 Data Based On	Health Centre		Holds			Villages	Digicel	Bmobile	With		Comment
CHANKE WIREAL 17,000 18,	СНІ	JAVE		51.177	51,177		51.383	11.248	25.861		237	227	54	4.014	197	
Service Serv			RIIRAI								<u> </u>					
Selfoge			-												34	
Single	- 1	SIRIK									4		4			
Mary			Sirikoge	424	596	Chuave HC	427	100	225	17.08.20	1	1	1	47	NBC	Road
March 177 257 Channer C 39			Sirilas	217	135	Chuave HC	207	50	112	17.08.20	1	1	1	21	NBC	Road
Siskoge CS																
EMEC 971 957 058 05																
Free 1964 256 Channer R. 317 318 37 79 20 1 1 1 1 1 0 NGC Popel Notice No			Sirikoge C/S	38	297	Chuave HC	198	43	98	17.08.20	1	1	1	15	NBC	Road
Morekegory	2	EMEG	Bl	912	557		518	111	258		2	2	2	71		
Morekegory					268	Chuava HC	171	36	87	17 08 20	- 1	1	1	10	NBC	Poad
Membrane 1,286 1,031 1,035 1,031 1,031 200 134 1,031			ŭ													
Amenimaring						Chuave HC				17.08.20					NBC	Road
Mampinang	3	MEME	BIMANGI	1,258	1,031		1,083	200	524		4	4	4	197		
Mampinang			Aran	233	245	Chuave HC	253	50	125	13.08.20	1	1	1	50	NBC	Road
Klay											4					
Common C			Š													
TOGOMA			Kiau	319	288	Chuave HC	304	50	148	13.08.20	1	1	1	50	NBC	Road
Topoma			Kumul Sda	138	272	Chuave HC	225	50	115	13.08.20	1	1	1	50	NBC	Road
Togorna	4	TOGO	ΜΔ	1 921	2 383		2 524	487	1 342		4	4	4	347		
Marchan Marc		1000								10.00.00					NDO	D I
Mel																
Manual M			Nubuni	885	1,374	Chuave HC	1,301	232	709	13.08.20	1	1	1	128	NBC	Road
Manual M			Mai	136	258	Chuave HC	197	36	92	13.08.20	1	1	1	33	NBC	Road
SAGUGU											1					
Mangangon	_	A 02.10				Ondave NO				10.00.20					1400	Nuau
Manglongo	5	AGU(_											
Margiscage			Agugu Lait Haus	163	101	Chuave HC	164	31	81	14.08.20	1	1	1	29	NBC	Road
Millor M							164	28	82		1	1	1	27	NBC	
Quarks No.1																
Numogawa 91 134 Chause No 150 440 800 140,820 1 1 1 1 400 NBC Road R																
Baun Base			Guaka No 1		490	Chuave HC	316	87	160	14.08.20	1	1	1	64	NBC	Road
Baun Base			Kumogawa	91	134	Chuave HC	165	40	80	14.08.20	1	1	1	40	NBC	Road
Number N			ŭ													
Agugu Community School																
Guala No 2						Chuave HC	218			14.08.20	1	1	1	47	NBC	Road
Section 1,656 2,315 2,322 2,426 1,089 10 10 1 1 1 0 1 1 0 1 1			Agugu Community School	88	165	Chuave HC	92	16	45	14.08.20	1	1	1	16	NBC	Road
Section 1,656 2,315 2,322 2,426 1,089 10 10 1 1 1 0 1 1 0 1 1				NEW/			323	58	155	14 08 20	- 1	1	1	58	NBC	Poad
Rautamband	_	LALIT			0.045	Ciluaveric				14.00.20					NDC	Noau
Mangiro	6	KAUI		_							6	6	6			
Vondump			Kautambandi	410	390	Chuave HC	297	51	140	16.08.20	1	1	1	0	NBC	Road
Vondump			Kau	237	546		429	gg	262	16.08.20	1	1	1	4 1	NBC	Road
Mangiro																
Woma											1		1			
Maimagu			Mangiro	560	417	Chuave HC	452	91	227	16.08.20	1	1	1	77	NBC	Road
Maimagu			Woma		194	Chuave HC	249	50	116	16 08 20	1	1	1	39	NBC	Road
7 MAMAGU																
Maimagu						Chuave HC				16.06.20					INDC	Roau
Kowimapnom 382 236 Chuwe HC 366 50 164 15.08.20 1 1 1 50 NBC Road	7	MAIM	AGU	1,265	785		879	182	443		3	3	3	97		
Kowimapnom 382 236 Charen HC 356 50 164 15.08.20 1 1 1 5.0 NBC Road			Maimagu	525	321	Chuave HC	311	82	163	15.08.20	1	1	1	44	NBC	Road
Rasur							356				- 1	1	1	50		
B Goi																
Goi 443 379 Chuawe HC 441 100 228 15.09.20 1 1 1 1 44 MBC Road			Kasuo			Chuave HC	212	50	116	15.08.20	1	1	1	3	NBC	Road
Morei	8	Goi		1,481	1,346		1,428	299	745		5	5	5	200		
Morei			Goi	1/13	370	Chuava HC	441	100	228	15 08 20	1	1	1	44	NBC	Pond
Morei																
Damel						Chuave HC					1		1			
Meko			Morei	319	271	Chuave HC	379	83	198	15.08.20	1	1	1	65	NBC	Road
Meko			Damei	346	308	Chuave HC	291	50	146	15 08 20	1	1	1	45	NBC	Road
MAINAMO									_			-				
Mainamo						Chuave HC				15.06.20					INDC	Roau
Yom	9	MAIN	AMO	1,165	1,123		1,019	204	499		2	2	2	98		
10 KEU No 1			Mainamo	611	288	Chuave HC	272	54	129	17.08.20	1	1	1	0	NBC	Road
10 KEU No 1			Yom				747	150	370	17.08.20	1	1	1	98	NBC	Road
Korowa 302 263 Chuave HC 284 51 140 17.08.20 1 1 1 48 NBC Road	10	KELLA				220.0110										
	10	NEU I								.=						<u> </u>
11 KEU No 2																
11 KEU No 2			Keukopu	489	409	Chuave HC	273	73	151	17.08.20	1	1	1	59	NBC	Road
New A/P 251 341 Chuave HC 400 109 221 18.08.20 1 1 1 77 NBC Road	11	KEUN	No 2	1,308	1,438		1,412	342	733		3	3	3	310		<u> </u>
Subaru 257 147 Chuave HC 120 33 65 18.08.20 1 1 1 33 NBC Road						Chuava UC				18 08 20					NRC	Road
Seven Pawa																
12 ONOMA																
Daima						Chuave HC	892		447	18.08.20	1	1	1	200	NBC	Road
Daima	12	ONON	MA	1,102	792		1,153	284	573	I	4	4	4	263		
Onoma						Chuave HC				19 08 20					NRC	Road
Danei 308 219 Chuave HC 214 50 112 19.08.20 1 1 1 50 NBC Road																
Muranz																
13 EIGUN			Danei		219	Chuave HC	214	50	112	19.08.20	1	1	1	50	NBC	Road
13 EIGUN			Muranz	NEW		Chuave HC	410	91	188	19.08.20	1	1	1	87	NBC	Road
Eigun 582 526 Chuave HC 310 71 182 19.08.20 1 1 1 62 NBC Road	13	FIGUR			703						2					
Elikibi 305 267 Chuave HC 214 49 106 19.08.20 1 1 1 48 NBC Road	.0	_,501				Ob. 1 110				10.00.00					NDO	D I
CHUAVE URBAN 687 1,945 1,714 301 882 4 4 4 293 1 1 1 57 NBC Road 1,045 1,0			ĕ													
Okuk Highway Chuave HC S20 S				305		Chuave HC	214	49	106	19.08.20	1	1	1	48	NBC	Road
Okuk Highway Chuave HC S20 S	14	CHUA	VE URBAN	687	1,945		1,714	301	882		4	4	4	293		
Wara Mai Road 156 382 Chuave HC 520 100 280 19.08.20 1 1 1 100 NBC Road						Chuava HC				10 08 20					NRC	Pood
Di Street Office - Health Centre 204 796 Chuave HC 615 97 317 19.08.20 1 1 1 96 NBC Road																
Chuavae High School 92 266 Chuave HC 267 44 123 19.08.20 1 1 1 40 NBC Road							520				1	1	1			
Chuavae High School 92 266 Chuave HC 267 44 123 19.08.20 1 1 1 40 NBC Road			Di Street Office - Health Centre	204	796	Chuave HC	615	97	317	19.08.20	1	1	1	96	NBC	Road
BELIMBARI RURAL 18,199 15,652 16,800 3,700 8,368 86 79 0 1,202 78											1					
MONONO			Cdavao i ligii Golidoi	32	200	Ondave HO	207		120	. 5.55.20	- ' -	<u> </u>		70	.,50	Nodu
MONONO					0											
1 MONONO 872 808 898 272 457 5 5 0 47 47 Mol 301 353 Monono HC 456 139 236 23.08.20 1 1 0 4 BC Chimb Road Siriri 98 212 Monono HC 156 50 78 23.08.20 1 1 0 13 BC Chimb Road Geul 143 0 Monono HC 56 15 29 23.08.20 1 1 0 12 IBC Chimb Road Monono 123 243 Monono HC 55 18 28 23.08.20 1 1 0 8 IBC Chimb Road Aregom 207 0 Monono HC 175 50 86 23.08.20 1 1 0 10 IBC Chimb Road	ELII	MBARI	RURAL	18,199	15,652		16,800	3,700	8,368		86	79	0	1,202	78	
Mol 301 353 Monono HC 456 139 236 23.08.20 1 1 0 4 BC Chimb Road																
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Geul 143 0 Monono HC 56 15 29 23.08.20 1 1 0 12 IBC Chimb Road Monono 123 243 Monono HC 55 18 28 23.08.20 1 1 0 8 IBC Chimb Road Aregom 207 0 Monono HC 175 50 86 23.08.20 1 1 0 10 IBC Chimb Road			Siriri	98	212	Monono HC	156	50	78	23.08.20	1	1	0	13	NBC Chimb	Road
Monono 123 243 Monono HC 55 18 28 23.08.20 1 1 0 8 BC Chimb Road Aregom 207 0 Monono HC 175 50 86 23.08.20 1 1 0 10 IBC Chimb Road								15	29		1	1	0			
Aregom 207 0 Monono HC 175 50 86 23.08.20 1 1 0 10 BC Chimb Road																
2 GOGO No.1 614 599 676 168 336 4 3 0 10				207	0	Monono HC	175	50	86	23.08.20	1	1	0	10	NBC Chimb	Road
	2	GOGO	O No 1	614	599		676	168	336		4	3	0	10		

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			Estimated												
LLG	WARD	VILLAGE	2020 Data Based On	Estimated 2020 Data	Health Centre	Population	House Holds	Nets	Date Of	Villagos	Digical	Pmobile	Houses With	Radio	Commont
LLG	WARD	VILLAGE	2000	Based On 2017 Data	Health Centre	Surveyed	Surveyed	Issued	Distribution	villages	Digicei	Bmobile	Radios	Networks	Comment
			Census												
		Daigol Dai	125 200	173 300	Monono HC Monono HC	203 342	50 84	102 169	23.08.20 23.08.20	1	1	0	2 5	NBC Chimb	Road Road
		Gogo	194	0	Monono HC	131	34	65	23.08.20	1	1	0	3	NBC Chimb	Road
		Borai	95	126	Monono HC					1					Included under Wangoi
3	GOG	O No 2	1,251	1,509		1,140	279	592		4	4	0	25		
		Kiruwar Yopamani	576 244	727 302	Monono HC Monono HC	414 218	90 50	232 108	23.08.20 23.08.20	1	1	0	7	NBC Chimb	Road Road
		Kapigom	138	121	Monono HC	233	74	116	23.08.20	1	1	0	1	NBC Chimb	Road
		Dirom Community Cntr	294	359	Monono HC	275	65	136	23.08.20	1	1	0	17	NBC Chimb	Road
4	KURA	IGURI	1,701	1,572		1,532	274	756		4	4	0	84		
		Manei Baidigo	614 331	456 343	Monono HC Monono HC	388 311	100 74	192 155	23.08.20 23.08.20	1	1	0	35 11	NBC Chimb	Road Road
		Bomai (Dumun)	394	236	Monono HC	415	50	204	23.08.20	1	1	0	25	NBC Chimb	Road
		Wiri Kewa	362	537	Monono HC	418	50	205	23.08.20	1	1	0	13	NBC Chimb	Road
5	KURE		661	834		964	154	475		5	4	0	82		
		Kureri 1 Mareigugal	74 136	186 118	Monono HC Monono HC	370 224	38 49	182 110	23.08.20 23.08.20	1	1	0	38 0	NBC Chimb	Road Road
		Wrabako	289	530	Monono HC	315	50	156	23.08.20	1	1	0	44	NBC Chimb	Road
										1					Included under Beroma P/School
		Beroma Brimary School	138 24	0	Monono HC	55	17	27	22.09.20		- 1	0	0	NBC Chimb	
6	KURE	Beroma Primary School	882	7 00	Monono HC	531	114	261	23.08.20	3	3	0 0	0 50	NBC Chimb	Road
		Banana Block	332	222	Monono HC	195	48	96	23.08.20	1	1	0	27	NBC Chimb	Road
		Kureri 2	220	263	Monono HC	106	16	52	23.08.20	1	1	0	12	NBC Chimb	Road
7	CIDIL	Aurabol	331	215	Monono HC	230	50 255	113	23.08.20	1	1	0	11	NBC Chimb	Road
7	GIRIU	Kogol	1,087	972 196	Monono HC	1,093 211	255 37	541 104	23.08.20	5 1	5	0	43	NBC Chimb	Road
		Mugul	135	122	Monono HC	147	35	73	23.08.20	1	1	0	1	NBC Chimb	Road
		Miyare	223	217	Monono HC	202	50	100	23.08.20	1	1	0	0	NBC Chimb	Road
		Garden City	397	229	Monono HC	369	89	183	23.08.20	1	1	0	40	NBC Chimb	Road
8	GIRIU	Onmai No 2	108 1,300	208 920	Monono HC	164 1,191	44 264	81 582	23.08.20	3	3	0	2 20	NBC Chimb	Road
J	On the	Giriu	245	215	Monono HC	315	66	152	25.08.20	1	1	0	0	NBC Chimb	Road
		Mai City	400	394	Monono HC	457	100	224	25.08.20	1	1	0	18	NBC Chimb	Road
0	\^/	Gunsike	654	311	Monono HC	419	98 274	206 561	24.08.20	1	1	0 0	2 73	NBC Chimb	Road
9	WANG	Wangoi	1,634 238	960 158	Wangoi HC	1,151 117	214	57	18.08.20	8	8	0	8	IBC CHIMB	Road
		Ganei	291	133	Wangoi HC	126	36	63	18.08.20	1	1	0	10	BC CHIMB	Road
		Auraboi	413	196	Wangoi HC	85	25	43	17.08.20	1	1	0	7	BC CHIMB	Road
		Gamar (Yagari)	602	55	Wangoi HC	126	31	59	17.08.20	1	1	0	3	BC CHIMB	Road
		Wangoi Station Kerasi/Durum	91	87 158	Wangoi HC Wangoi HC	96 211	19 50	46 108	18.08.20 17.08.20	1	1	0	11 15	BC CHIMB	Road Road
		Borai	NEW	100	Wangoi HC	182	50	89	18.08.20	1	1	0	6	BC CHIMB	Road
		Bariol		173	Wangoi HC	208	42	96	18.08.20	1	1	0	13	BC CHIMB	Road
10	KORC	RUME No.1 Korurume	1,529 298	873 199	W: UC	865 67	160	420 32	18.08.20	6	5	0	38	IBC CHIMB	Mast water ConstTainer
		Douneri	298	115		94	21	45	18.08.20	1	1	0	11	BC CHIMB	Most under Guor/Taipari Most under Guor/Taipari
		Kurumoi	393	208	Wangoi HC	259	45	129	18.08.20	1	1	0	1	BC CHIMB	Most under Guor/Taipari
		Aivari	187	22	Wangoi HC					1					Included under Guor/Taipari
		Danei	365	208	Wangoi HC	97	22	47	17.08.20	1	1	0	12	IBC CHIMB	Most under Guor/Taipari
		Guor/Tapairi		121	Wangoi HC	348	53	167	18.08.20	1	1	0	8	BC CHIMB	Road
11	KURL	JRUME	914	1,190		1,173	264	602		7	6	0	93		
		Norome	468 152	379	Wangoi HC	444 157	87 34	224 81	18.08.20 18.08.20	1	1	0	39 9	BC CHIMB	Road
		Degidegi Nourei	294	203 233	Wangoi HC Wangoi HC	201	46	104	18.08.20	1	1	0	7	BC CHIMB	Road Road
		Dirondi (Kamurom)	201	115	Wangoi HC	134	29	71	17.08.20	1	1	0	20	BC CHIMB	Road
		Onmari		0	Wa: ! ! C					1			1	NBC CHIMB	Road: Included under Warfoko
		Onmari Warfoko		31	Wangoi HC Wangoi HC	176	46	85	18.08.20	1	1	0	13	BC CHIMB	Road
		Gaurei		229	Wangoi HC	61	22	37	18.08.20	1	1	0	5	ВС СНІМВ	Road
12	YORC		816	583		614	143	311		4	3	0	80		
		Yorori Dame	318 61	233 154	Wangoi HC Wangoi HC	225 206	50 45	115 104	14.08.20 14.08.20	1	1	0	25 24	BC CHIMB	Road Road
		Kuwe	339	196	Wangoi HC	183	48	92	14.08.20	1	1	0	31	IBC CHIMB	Road
		Kuwe Aid Post	98	0	Wangoi HC					1					Not functioning anymore
13	PIMUI	RI No 2	1,365	1,208		1,469	358	766		8	7	0	117		
		Pimuri No.2	558	0	Wangoi HC					1					Broken down below into smaller villages
		Kiruma	315	95	Wangoi HC	125	31	63	14.08.20	1	1	0	11	BC CHIMB	Road: is under ward 12.
		Namadiri	194	168	Wangoi HC	222	50	116	14.08.20	1	1	0	18	BC CHIMB	Road
		Gorokuam/Enn	298	205	Wangoi HC	228	52	120	14.08.20	1	1	0	20	BC CHIMB	Road
		Armol (7 Days) Irolmo		277 202	Wangoi HC Wangoi HC	214 306	49 84	117 157	14.08.20 14.08.20	1	1	0	6 40	BC CHIMB	Road Road
		Mankou		87	Wangoi HC	152	42	79	14.08.20	1	1	0	12	BC CHIMB	Road
		Aromangi		173	Wangoi HC	222	50	114	14.08.20	1	1	0	10	BC CHIMB	Road
14	ORO		860 539	862	10/	1,229	198	607	40.00.00	5	4	0	82	IDC CLUMA	DJ
		Oroma No.1 Pei (Megine)	538 322	208 213	Wangoi HC Wangoi HC	327 342	50 50	164 164	18.08.20 18.08.20	1	1	0	28 19	BC CHIMB	Road Road
		Damer	- JLL	197	Wangoi HC	293	48	147	18.08.20	1	1	0	17	BC CHIMB	Road
		Aikop		202	Wangoi HC	267	50	132	18.08.20	1	1	0	18	BC CHIMB	Road
		Meroukopo		43	Wangoi HC					1					Road: included under Aikop
15	KARA	WERI No 1	1,410	1,392		1,475	335	721		10	10	0	199		
		Kaki Beroma	360	192	Wangoi HC	41	10	20	17.08.20	1	1	0	9	BC CHIMB	Road: is under ward 16
		Wekomangi	309	253	Wangoi HC	221	50	111	17.08.20	1	1	0	21	BC CHIMB	Road; is under ward 16.

LLG	WARD	VILLAGE	Estimated 2020 Data Based On	Estimated 2020 Data Based On	Health Centre	Population Surveyed	House Holds	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile		Radio Networks	Comment
			2000 Census	2017 Data		Surveyed	Surveyed	133060	Distribution				Radios	Networks	
		Mokoma	417	136	Wangoi HC	99	32	54	17.08.20	1	1	0	11	BC CHIMB	Road
		Morimabunom	306	149	Wangoi HC	146	31	70	17.08.20	1	1	0	18	BC CHIMB	Road
		Karaweri High School Kiam	17	242 277	Wangoi HC Wangoi HC	123 203	28 47	59 98	17.08.20 17.08.20	1	1	0	23 47	BC CHIMB	Road Road
		Biregumen/Kabumul	NEW	211	Wangoi HC	99	26	48	17.08.20	1	1	0	10	IBC CHIMB	Road
		Kaki	NEW		Wangoi HC	133	31	64	17.08.20	1	1	0	23	Nbc Chimbu	Road: is under ward 16
		Karaweri	NEW		Wangoi HC	286	50	137	17.08.20	1	1	0	30	BC CHIMB	Road
16	KVDVI	Siegom WERI No 2	1,302	144 669	Wangoi HC	124 799	30 188	60 380	17.08.20	1 5	1 5	0	7 159	IBC CHIMB	Road
10		Kural	556	187	Wangoi HC	219	50	103	17.08.20	1	1	0	50	IBC CHIMB	Road
		Mankamunsuga/Kabuteine	621	286	Wangoi HC	221	50	107	17.08.20	1	1	0	50	BC CHIMB	Road
		Mumerendi	125	196	Wangoi HC	104	25	48	17.08.20	1	1	0	12	BC CHIMB	Road
		Esirei Mt. Michael	NEW NEW		Wangoi HC	152 103	36 27	71 51	17.08.20	1	1	0	32 15	BC CHIMB	Rd/trek
		Mt. Micheal	INEVV	0	Wangoi HC	103	21	51	17.08.20	1	1	U	15	BC CHIMB	Road
SIAN	NE RU	RAL	15,979	17,145		16,567	3,829	8,345		97	94	0	11	65	
1	KERE		1,013	858		1,094	256	516		4	4	0	0		
\Box		Suakul	477	201	Yandime HC	119	20	57	14.08.20	1	1	0	0		Road
\vdash		Esrel Aurabol	121 404	296 361	Yandime HC Yandime HC	340 379	87 99	163 173	14.08.20 14.08.20	1	1	0	0		Road Road
		Sua Community School	11	0	Yandime HC Yandime HC	256	50	123	14.08.20	1	1	0	0		Road
2	WAISI		1,108	828		847	178	415		3	3	0	0		
		Moimoi 2	345	173	Yandime HC	190	37	92	14.08.20	1	1	0	0		Road/2 Hr Trek
		Almangi	434 329	246 409	Yandime HC	271	50	130	14.08.20	1	1	0	0	-	Road/2 Hr Trek
3		Korena VA No 1	329 3 69	409 461	Yandime HC	386 377	91 89	193 181	14.08.20	3	3	0 0	0 0		Road/2 Hr Trek
Ŭ		Yuna	250	182	Yandime HC	172	45	83	15.08.20	1	1	0	0		Road/2 Hr Trek
		Atino/yandime Community School	119	123	Yandime HC	136	27	65	15.08.20	1	1	0	0		Road/2 Hr Trek
	MADE	Atano	051	155	Yandime HC	69	17	33	15.08.20	1	1	0	0		Road/2 Hr Trek
4	MARE	VA Auwamo	651 133	673 164	Yandime HC	599 160	123 36	291 77	15.08.20	1	4	0	0		Road
		Akefaro	226	191	Yandime HC Yandime HC	160	42	85	15.08.20	1	1	0	0		Road/2 Hr Trek
		Wingu. 2	192	158	Yandime HC	146	27	70	15.08.20	1	1	0	0		Road
		Komongu	101	161	Yandime HC	116	18	59	15.08.20	1	1	0	0		Road
5	NIME	Vivene	745	636	V I' IIO	563	127	270	40.00.00	4	4	0	0		B I
		Kiyono Mi'i-Kunai	281 177	160 180	Yandime HC Yandime HC	144 55	34 12	69 26	16.08.20 16.08.20	1	1	0	0		Road 3Hr Trek
		Wingu. 1	240	179	Yandime HC	187	32	90	16.08.20	1	1	0	0		Road
		Nime	47	118	Yandime HC	177	49	85	16.08.20	1	1	0	0		Road
6	FOKO'		748	612		851	203	402		4	4	0	0		
		Kitiro Kurunga	309 312	64 224	Yandime HC Yandime HC	234 360	50 84	106 172	15.08.20 15.08.20	1	1	0	0		Road Road
		Mi'i	126	193	Yandime HC	87	19	42	16.08.20	1	1	0	0		2Hr Trek
		Fokowe (Inclusive)		132	Yandime HC	170	50	82	16.08.20	1	1	0	0		2Hr Trek
7	KUMO		367	638		693	148	336		3	3	0	0		
		Waiya New Block	150 143	218	Yandime HC Yandime HC	256 235	50 48	126 113	16.08.20 16.08.20	1	1	0	0		Previously Movi HC Previously Movi HC
		Kamaliro	74	211		202	50	97	16.08.20	1	1	0	0		Previously Movi HC
8	ATINO		450	631		532	137	260		4	4	0	0		•
		Nambaiyufa	109	170		42	12	20	16.08.20	1	1	0	0		Previously Movi HC
		Korou Nambyia	85 133	231	Yandime HC Yandime HC	96 321	25 80	46 159	16.08.20 16.08.20	1	1	0	0		Previously Movi HC Previously Movi HC
		Nambaiyufa Community Schoo	122	230	Yandime HC	73	20	35	16.08.20	1	1	0	0		Previously Movi HC
9	IRAFA		653	922		871	261	469		4	4	0	0		
		Runugu	441	321	Movi HC	330	96	178	22.08.20	1	1	0	0	KBK	Road
		Waikunai Wararam	172	0 369	Movi HC Movi HC	66 303	16 99	33 172	22.08.20 22.08.20	1	1	0	0	KBK KBK	Road Road
		Koripama/Keto	40	231	Movi HC	172	50	86	22.08.20	1	1	0	0	KBK	Road
10	KOMU	JNI No 1	630	778		856	194	456		4	4	0	0		
		lpaku	196	332	Movi HC	305	55	164	22.08.20	1	1	0	0	KBK	Road
		Karand/Nami Lilikapu	87 258	0 287		198 278	50 68	99 148	22.08.20 22.08.20	1	1	0	0	KBK KBK	Road Road
		Afename	258 89	159	Movi HC Movi HC	75	21	148 45	22.08.20	1	1	0	0	KBK	Road
11	FAMU	NDI	809	938		857	205	430		6	6	0	0		
		Kiruwari	204	130	Movi HC	183	50	92	22.08.20	1	1	0	0	KBK	Road
		Negemo Kauwero/Munga	184 91	100 188	Movi HC Movi HC	97 175	19 35	49 88	22.08.20 22.08.20	1	1	0	0	KBK KBK	Road Road
		Noinora Noinora	74	173	Movi HC Movi HC	84	26	42	22.08.20	1	1	0	0	KBK	Road
		Inamona	62	130	Movi HC	130	32	65	22.08.20	1	1	0	0	KBK	Road
		Kumendo	193	216	Movi HC	188	43	94	22.08.20	1	1	0	0	KBK	Road
12	SEINE	Movi	1,275 193	1,532 170	Marillo	1,496 179	408 50	772 90	22.08.20	10	9	0	0	KBK	Road
			193	170	Movi HC	179	50	90	∠∠.∪ö.∠U			U	U	VDI/V	
		Munga	84	151	Movi HC					1					Included under wd11 Kauwero
		Kilaminga	72 150	239	Movi HC	228	48	114	22.08.20	1	1	0	0	KBK	Road
		Ofu Landoua	150 190	201 192	Movi HC Movi HC	125 150	50 49	63 75	22.08.20 22.08.20	1	1	0	0	KBK KBK	Road Road
		New Camp Sda	174	134	Movi HC	193	50	101	22.08.20	1	1	0	0	KBK	Road
		Kainari/Famato	118	201	Movi HC	189	50	107	22.08.20	1	1	0	0	KBK	Road
		Fanaroto	109	0		226	50	118	22.08.20	1	1	0	0	KBK	Road
		Yafano Kerori	50 115	0 106	Movi HC Movi HC	163	50	81	24.08.20	1	1	0	0	KBK	Non-Existent Road
		Koifafu	20	136	Movi HC	43	11	23	22.08.20	1	1	0	0	KBK	Road
13	RABIU	JFA	626	1,152		734	170	382		7	6	0	0		
		Rumo	123	189	Movi HC	140	36	75	21.08.20	1	1	0	0	KBK	Road

			Estimated												
			2020 Data	Estimated 2020 Data		Population	House	Nets	Date Of				Houses	Radio	
LLG	WARD	VILLAGE	Based On	Based On	Health Centre	Surveyed	Holds	Issued	Distribution	Villages	Digicel	Bmobile	With	Networks	Comment
			2000 Census	2017 Data			Surveyed						Radios		
		Kaso	88	209	Movi HC	89	14	46	21.08.20	1	1	0	0	KBK	Road
		Madairo	122	212	Movi HC	99	24	50	21.08.20	1	1	0	0	KBK	Road
		Honowagi		241	Movi HC	128	32	67	21.08.20	1	1	0	0	KBK	Road
		Rumaro	169	211	Movi HC	175	42	92	21.08.20	1	1	0	0	KBK	Road
		Movi H/C	79	32	Movi HC	103	22	52	21.08.20	1	1	0	0	KBK	Road
		Movi Community School	44	59	Movi HC					1					Inclueded under Movi HC
14	RUMB	BUIUFA	748	954		741	174	372		6	6	0	0		
		Fomo	140	140	Keveru HC	108	32	54	25.08.20	1	1	0	0	KBK	Previously Movi HC
		Tiribuka	139	0	Keveru HC	76	24	38	25.08.20	1	1	0	0	KBK	Previously Movi HC
		Hap Wara		185	Keveru HC	195	40	98	25.08.20	1	1	0	0	KBK	Previously Movi HC
		Makema	186	177	Keveru HC	56	12	28	25.08.20	1	1	0	0	KBK	Previously Movi HC
		Fuka	213	231	Keveru HC	163	25	82	25.08.20	1	1	0	0	KBK	Previously Movi HC
4.5		Rota Kona	70	220	Keveru HC	143	41	72	25.08.20	1	1	0	0	KBK	Previously Movi HC
15		MONO	628 172	672 178	Kovo UC	560	99	287		2	2	0	0		Non Evistora
		Kafarega Pila	169	321	Keveru HC Keveru HC	336	49	175	24.08.20	1	1	0	0	KBK	Non-Existent
		Kombafairo	288	172	Keveru HC Keveru HC	224	50	112	24.08.20	1	1	0	0	KBK	Previously Movi HC Previously Movi HC
16	FERAI		519	295	Nevelu IIC	430	99	216	27.00.20	3	2	0	0	INDIN	Fleviously WOVI FIC
10	LIVA	Ofuna	226	206	Keveru HC	217	50	109	23.08.20	1	1	0	0	KBK	Previously Movi HC
		Likene	125	88	Keveru HC	213	49	107	23.08.20	1	1	0	0	KBK	Previously Movi HC
			120	- 30											·
		Kebereu	169	0	Keveru HC					1					Inclueded under New Block
17	WAFC)	502	598		563	117	282		2	2	0	0		
		Kirau	309	411	Keveru HC	384	73	192	24.08.20	1	1	0	0	KBK	Previously Movi HC
		Morendo	193	187	Keveru HC	179	44	90	24.08.20	1	1	0	0	NA	Previously Movi HC
18	LOFAI		365	593		552	112	278		3	3	0	0		
		Yombairaro	209	287	Keveru HC	199	50	100	24.08.20	1	1	0	0	KBK	Previously Movi HC
		Muniyau	91	203	Keveru HC	109	23	56	24.08.20	1	1	0	0	KBK	Previously Movi HC
4.0		New Block	65	102	Keveru HC	244	39	122	24.08.20	1	1	0	0	KBK	Previously Movi HC
19	LOAN		699	534		693	149	359	04.00.00	4	4	0	0		D
		Lende Monega	338 159	226 139	Keveru HC	267 149	48 37	134 77	24.08.20 24.08.20	1	1	0	0	NA NA	Road/ I Hr Trek
		Fikombaro	153	169	Keveru HC Keveru HC	208	42	111	24.08.20	1	1	0	0	NA NA	Road/ I Hr Trek Road/ I Hr Trek
		Fikombaro Community School	50	0	Keveru HC	69	22	37	24.08.20	1	1	0	0	NA NA	Road/ I Hr Trek
20	NOMA		326	257	Reveiu i iC	215	52	110	24.00.20	2	2	0	5	INA	Road/THI Her
		Mainero	193	138	Keveru HC	99	23	52	24.08.20	1	1	0	0	NA	Road
		Blue Sky	133	118	Keveru HC	116	29	58	24.08.20	1	1	0	5	93FM	Road
21	KEMA	MI	323	261		249	56	143		2	2	0	3		
		Akoriro	169	77	Keveru HC	103	24	57	19.08.20	1	1	0	1	KBK	Road
		Laiya 1	155	184	Keveru HC	146	32	86	19.08.20	1	1	0	2	KBK	Road
22	NOMA		254	181		223	36	124		2	2	0	3		
		Laiya 2	236	181	Keveru HC	121	21	65	19.08.20	1	1	0	0	KBK	Road
		Nora	18	0	Keveru HC	102	15	59	19.08.20	1	1	0	3	KBK	Road
23	NORIF		403	336		390	97	196		2	2	0	0		
		Karune	231	210	Keveru HC	185	47	93	21.08.20	1	1	0	0	NA NA	Road
24		Kurumbukotaru	172	127	Keveru HC	205	50	103	21.08.20	1	3	0	0	NA	Road/1Hr Trek
24	KOIVIB	ORUFA	531 194	800	Kovo UC	497	107 38	249 87	24.09.20	3	1	0	0	NIA.	Draviaugh Marii IIO
		Omo Hutumoi	206	454 175	Keveru HC Keveru HC	173 166	38	83	24.08.20 24.08.20	1	1	0	0	NA NA	Previously Movi HC Previously Movi HC
		Ufarutaku/Korome	131	175	Keveru HC Keveru HC	158	36	79	24.08.20	1	1	0	0	NA NA	Previously Movi HC Previously Movi HC
25	FOINA		394	498	Nevelu IIC	522	116	266	27.00.20	2	2	0	0	14/4	i reviously MOVITIO
		Kimo	394	393	Movi HC	385	80	191	21.08.20	1	1	0	0	KBK	Road
		Foina	004	105	Movi HC	137	36	75	21.08.20	1	1	0	0	KBK	Road
26	KOML	JNI No 2	454	301		382	70	192	50.25	2	2	0	0	1.2.	
		Ipato	233	125	Movi HC	159	29	80	21.08.20	1	1	0	0	KBK	Road
		Urito	221	177	Movi HC	223	41	112	21.08.20	1	1	0	0	KBK	Road
27	KIFIUF	FA The state of th	389	209		180	46	91		2	2	0	0		
		Opairo	243	209	Movi HC	79	24	40	21.08.20	1	1	0	0	KBK	Road
		Monega	146	0	Movi HC	101	22	51	21.08.20	1	1	0	0	KBK	Road

CHIMBU PROVINCE KARIMI NOMANE DISTRICT POPULATION 2020 LLIN DISTRIBUTION SUMMARY SHEET

			Estimated												
			2020 Data	Estimated 2020 Data		Population	House	Nets	Date Of				Houses		
LLG	WARD	VILLAGE	Based On	Based On	Health Centre	Surveyed	Holds	Issued	Date Of	Villages	Digicel	Bmobile	With	Radio Networks	Comment
			2000 Census	2017 Data		Curroyou	Surveyed	ioodod	Biotribution				Radios		
LAF	DIRALII V	\ NOMANE		59,016		50 500	40.474	00.007		000	400		4 500	404	
		RURAL	59,016 27,392			56,599 31,460	10,474 5,362	28,837		200 97	186 83	27 0	1,589 137	191 88	
	YURO		2,172			2,512	407	15,978 1,257		3	3	0	1	00	
	TORO	Naiyo 2 (Yuro)	890		Sigamuru HC	1,043	173	523	03.08.20	1	1	0	1	Radio Light	3 Hr Trek
		Naiyo 1	417		Sigamuru HC	440	81	220	03.08.20	1	1	0	0	Radio Light	3 Hr Trek
		Yawiyo	864	1,118	Sigamuru HC	1,029	153	514	03.08.20	1	1	0	0	Radio Light	3 Hr Trek
2	YURO		1,295	1,793	o.ga.mara me	1,617	265	809		3	3	0	3	- ranana angini	
		Sogo 2	411	474	Sigamuru HC	434	67	217	03.08.20	1	1	0	0	Radio Light	3 Hr Trek
		Moiyo	387	655	Sigamuru HC	547	98	274	03.08.20	1	1	0	0	Radio Light	3 Hr Trek
		Hoiyayo	497	665	Sigamuru HC	636	100	318	03.08.20	1	1	0	3	Radio Light	3 Hr Trek
3	HUWA	AIYO	1,153	1,403		1,519	267	763		2	2	0	5		
		Waiyo	544	646	Sigamuru HC	650	100	326	03.08.20	1	1	0	1	Radio Light	2.5 Hr Trek
		Wenaiyo	609	757	Sigamuru HC	869	167	437	03.08.20	1	1	0	4	Radio Light	2.5 Hr Trek
4	WARI		1,597	2,022		1,738	304	866		6	6	0	26		
		Kiasivi (Wario)	317		Sigamuru HC	462	80	230	03.08.20	1	1	0	11	Radio Light	1hr walk
		Sebelisivi	417		Sigamuru HC	391	68	195	03.08.20	1	1	0	2	Radio Light	1hr walk
		Sororasivi	403 304	546 257	Sigamuru HC	491 208	75 45	245 104	03.08.20 03.08.20	1	1	0	7	Radio Light	1hr walk 20 Min Walk
		Magiagi Block Kerepa Community School	55		Sigamuru HC Sigamuru HC	81	14	40	03.08.20	1	1	0	2	Radio Light Radio Light	10 Min Walk
		Sigimaru H/Cen	101	0	Sigamuru HC	105	22	52	03.08.20	1	1	0	2	Radio Light	TO WIIT WAIK
5		MUI STATION 1	905	1,329	Jigamuru I IU	1,261	247	1,040	00.00.20	3	3	0	24	aaio Eigiit	
		Meiyo	434	541	Sigamuru HC	665	150	381	03.08.20	1	1	0	8	Radio Light	1hr Min Walk
		Solida	184	283	Sigamuru HC	309	48	515	03.08.20	1	1	0	2	Radio Light	1hr 10minutes Walk
		Karimui Station	287	506	Sigamuru HC	287	49	144	03.08.20	1	1	0	14	Radio Light	20 Min Walk
6	KARIN	MUI STATION 2	1,475	1,703		1,830	305	911		5	5	0	24		
		Peria (Karimui)	255	393	Sigamuru HC	229	50	115	03.08.20	1	1	0	2	Radio Light	1hr walk
		Wegisivi	307	324	Sigamuru HC	393	72	197	03.08.20	1	1	0	1	Radio Light	1hr Walk
		Orokomaru	141	182	Sigamuru HC	255	50	128	03.08.20	1	1	0	0	Radio Light	2hrs walk
		Tobaiyakoma	385		Sigamuru HC	337	49	168	03.08.20	1	1	0	5	Radio Light	50 Min Walk
		Kagosili	387	514	Sigamuru HC	616	84	303	03.08.20	1	1	0	16	Radio Light	2hrs walk
- /	NORC		802 247		0: 110	868	150 50	434 132	03.08.20	1	3 1	0	0	Dedie Liebs	41
		Noruai Kiribari	309	289 346	Sigamuru HC Sigamuru HC	263 276	50	132	03.08.20	1	1	0	1	Radio Light Radio Light	1hr walk 1hr walk
		Kurube	247	338	Sigamuru HC	329	50	164	03.08.20	1	1	0	0	Radio Light	1hr walk
8	BOISA	AMARU 1	1,054		Sigamuru i iC	1,125	197	564	03.00.20	5	5	0	4	readio Ligiti	IIII Waik
- 0		Boisamaru	224	250	Sigamuru HC	211	38	106	04.08.20	1	1	0	0	Radio Light	2hrs 30minutes trekk
		Kepanisivi	184		Sigamuru HC	183	28	92	04.08.20	1	1	0	0	Radio Light	2hrs 30minutes trekk
		Walaisivi	211	346	Sigamuru HC	182	32	91	04.08.20	1	1	0	0	Radio Light	2hrs 30minutes trekk
		Tiosibi	427	205	Sigamuru HC	266	49	133	04.08.20	1	1	0	3	Radio Light	2hrs 30minutes trekk
		Boisamaru Community Sch	8	340	Sigamuru HC	283	50	142	04.08.20	1	1	0	1	Radio Light	2hrs 30minutes trekk
9		AMARU 2	481			751	129	375		1	1	0	5		
		Soboro	481	707	Sigamuru HC	751	129	375	04.08.20	1	1	0	5	Radio Light	3 Hr Trek
10	YOGO	DROMARU	994	1,350		1,203	194	540		5	5	0	0		
		Yogoromaru	400	384	Negabo HC	240	38	116	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
		Asanugai	54 333		Negabo HC	479 104	64 21	191 48	05.08.20 05.08.20	1	1	0	0	RADIO SIMBU RADIO SIMBU	3 Hr Trek
		Todaiya Bunibiri	161		Negabo HC Negabo HC	188	34	92	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek 3 Hr Trek
		Yogoromaru Community So			Negabo HC	192	37	93	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
11	DIBE '	, ,	720		Negaborio	1,151	185	560	00.00.20	3	3	0	0	10.010 000	OTH TICK
		Dibe	279		Negabo HC	612	90	281	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
		Sogo 1	180		Negabo HC	234	45	124	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
		Irage	260		Negabo HC	305	50	155	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
12	DIBE 2		471			518	92	243		1	1	0	0		
		Sogo 2	471		Negabo HC	518	92	243	05.08.20	1	1	0	0	RADIO SIMBU	3 Hr Trek
13	NEGA		1,329		N1 1 117	1,554	335	834	07.00.00	5	4	0	0	DADIO OTTO	45 - 1 - 1 1
		Negabo Yogobo 1&2	476 257		Negabo HC	655 229	137 48	381 118	07.08.20 07.08.20	1	1	0	0	RADIO SIMBU RADIO SIMBU	15 minutes Trek
		Beiye	354	278 452	Negabo HC Negabo HC	435	100	215	07.08.20	1	1	0	0	RADIO SIMBU	15 minutes Trek 40 minutes Trek
		Tomobisibi	221	170	Negabo HC Negabo HC	235	50	120	07.08.20	1	1	0	0	RADIO SIMBU	10 minutes Trek
		. CITIODIOIDI	221	170	110gab0110	200		120	000.20			Ü	Ü		Included under Negabo
		Negabo H/Cen	21	128	Negabo HC					1					Village
14	TUA 1		443	485		572	100	281		1	1	0	0		
		Tua	443		Negabo HC	572	100	281	07.08.20	1	1	0	0	RADIO SIMBU	1 hour Trek
						1,046	182	518		2	2	0	0		
15	TUA 2	(TILIGE)	1,077						06.08.20	1	1	0			2 hours Trole
15	TUA 2	Tilige	594	539	Negabo HC	467	91	234					0	RADIO SIMBU	2 hours Trek
			594 482	539 541	Negabo HC Negabo HC	467 579	91	284	06.08.20	1	1	0	0	RADIO SIMBU RADIO SIMBU	15 minutes Trek
	TUA 2	Tilige Bobe	594 482 1,142	539 541 1,123	Negabo HC	467 579 851	91 145	284 421	06.08.20	1 4	1 4	0 0	0 0	RADIO SIMBU	15 minutes Trek
		Tilige Bobe Maina	594 482 1,142 508	539 541 1,123 334	Negabo HC	467 579 851 239	91 145 47	284 421 122	06.08.20 06.08.20	1 4 1	1 4 1	0 0 0	0 0 0	RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek
		Tilige Bobe Maina Walaisivi	594 482 1,142 508 182	539 541 1,123 334 266	Negabo HC Negabo HC Negabo HC	467 579 851 239 212	91 145 47 37	284 421 122 103	06.08.20 06.08.20 06.08.20	1 4 1	1 4	0 0	0 0	RADIO SIMBU RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek
	MASI	Tilige Bobe Maina Walaisivi Okanoma	594 482 1,142 508	539 541 1,123 334	Negabo HC Negabo HC Negabo HC Negabo HC	467 579 851 239	91 145 47	284 421 122	06.08.20 06.08.20	1 4 1	1 4 1	0 0 0	0 0 0	RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek
16	MASI	Tilige Bobe Maina Walaisivi Okanoma Haseka	594 482 1,142 508 182	539 541 1,123 334 266 258 265	Negabo HC Negabo HC Negabo HC	467 579 851 239 212 212	91 145 47 37 33	284 421 122 103 102	06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1	1 4 1 1	0 0 0 0	0 0 0 0	RADIO SIMBU RADIO SIMBU RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek
16	MASI	Tilige Bobe Maina Walaisivi Okanoma Haseka	594 482 1,142 508 182 452	539 541 1,123 334 266 258 265 827	Negabo HC Negabo HC Negabo HC Negabo HC	467 579 851 239 212 212 188	91 145 47 37 33 28	284 421 122 103 102 94	06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1	1 4 1 1 1	0 0 0 0 0	0 0 0 0 0	RADIO SIMBU RADIO SIMBU RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek
16	MASI	Tilige Bobe Maina Walaisivi Okanoma Haseka	594 482 1,142 508 182 452	539 541 1,123 334 266 258 265 827 347	Negabo HC Negabo HC Negabo HC Negabo HC Negabo HC	467 579 851 239 212 212 188 771	91 145 47 37 33 28 167	284 421 122 103 102 94 370	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4	1 4 1 1 1 1 4	0 0 0 0 0	0 0 0 0 0	RADIO SIMBU RADIO SIMBU RADIO SIMBU RADIO SIMBU RADIO SIMBU	15 minutes Trek 3 Hr Trek
16	MASI	Tilige Bobe Maina Walaisivi Okanoma Haseka A 1 Masi Saiya Anobai	594 482 1,142 508 182 452 882 320 200 153	539 541 1,123 334 266 258 265 827 347 285 121	Negabo HC Negabo HC Negabo HC Negabo HC Negabo HC Negabo HC	467 579 851 239 212 212 188 771 378	91 145 47 37 33 28 167 86	284 421 122 103 102 94 370 181	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4	1 4 1 1 1 1 4	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	RADIO SIMBU	15 minutes Trek 3 Hr Trek
16	MASI	Tilige Bobe Maina Walaisivi Okanoma Haseka A 1 Masi Saiya Anobai Noruasiwi	594 482 1,142 508 182 452 882 320 200 153 210	539 541 1,123 334 266 258 265 827 347 285 121	Negabo HC	467 579 851 239 212 212 188 771 378 164 119 110	91 145 47 37 33 28 167 86 28 34	284 421 122 103 102 94 370 181 73 61 55	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4 1 1 1	1 4 1 1 1 1 4 1 1 1	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	RADIO SIMBU	15 minutes Trek 3 Hr Trek
16	MASI MAINA MAINA	Tilige Bobe Maina Walaisivi Okanoma Haseka A 1 Masi Saiya Anobai Noruasiwi A 2	594 482 1,142 508 182 452 882 320 200 153 210	539 541 1,123 334 266 258 265 827 347 285 121 73	Negabo HC	467 579 851 239 212 212 188 771 378 164 119 110	91 145 47 37 33 28 167 86 28 34 19	284 421 122 103 102 94 370 181 73 61 55 191	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4 1 1 1 1 1	1 4 1 1 1 1 4 1 1 1 1 1	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr 30 min Trek 3 Hr 30 min Trek
16	MAINA MAINA	Tilige Bobe Maina Walaisivi Okanoma Haseka A 1 Masi Saiya Anobai Noruasiwi A 2 Hoyaisivi	594 482 1,142 508 182 452 882 200 200 153 210 737	539 541 1,123 334 266 258 265 827 347 285 121 73 507	Negabo HC	467 579 851 239 212 212 188 771 378 164 119 110 432	91 145 47 37 33 28 167 86 28 34 19 78	284 421 122 103 102 94 370 181 73 61 55 191	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4 1 1 1 1 1 1	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr 30 min Trek 3 Hr 30 min Trek
16	MAINA MAINA	Tilige Bobe Maina Walaisivi Okanoma Haseka A 1 Masi Saiya Anobai Noruasiwi A 2	594 482 1,142 508 182 452 882 320 200 153 210	539 541 1,123 3346 258 265 827 347 285 121 73 507 507	Negabo HC	467 579 851 239 212 212 188 771 378 164 119 110	91 145 47 37 33 28 167 86 28 34 19	284 421 122 103 102 94 370 181 73 61 55 191	06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20 06.08.20	1 4 1 1 1 1 4 1 1 1 1 1	1 4 1 1 1 1 4 1 1 1 1 1	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	RADIO SIMBU	15 minutes Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr Trek 3 Hr 30 min Trek 3 Hr 30 min Trek 3 Hr 30 min Trek

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LL WARD VILLAGE Based On Support Comment (1998) Health Care in Surveyord Sur				Estimated												
Company Comp				2020 Data	Estimated 2020 Data		Population		Nets	Date Of						_
Company	LLG	WARD	VILLAGE		Based On	Health Centre					Villages	Digicel	Bmobile		Radio Networks	Comment
Success					2017 Data			Guiveyea						rtaaloo		
Description New York Color New York New York Color New York						_										
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20 Septime 20 24 19 25 26 10 10 10 10 10 10 10 1					400	Ü										
Topic Page	20	SOLA			547						2	2	0	0		,
2 MARAMARI CORU			Sorolai			Negabo HC			155		1			0		
Company Comp						Negabo HC				06.08.20					RADIO SIMBU	6 Hr Trek
Name	21				, -	No. of allo				05.00.00					DADIO CIMBILI	4 Day Task
Megalo						-										
Commission 130 Program						-			_							•
DOUD 242 243 Popular 300						-			86		1	1	0	0		
Bunder 193	22													_		
German 262 350 Negation 177 32 61 609.00 7 7 1 0 0 0 6000 6000 1 19 184						-			_							
Second State Number Second State						-			_							•
Basi		HORE		202		Negabo HC				05.06.20					RADIO SIMBU	1 Day Trek
Second Second 10 20 Appropriate 10 Appr			·			Negabo HC				06.08.20			_		RADIO SIMBU	4 Hr Trek
Applied 19			Sau		293	·	194	31	129		1	1	0	0		
Burnes Siglation	23						720	126	361			2	0	0		
Maintail 14 14 15 15 15 15 15 15												· ·				
Majerier 1946 194			Bomai Station	487	480	Bomai HC	572	98	287	03.08.20		1	0	0	Karai	
Quantity Section Sec			Naizimi	184	134	Bomai HC				<u></u>	1					
Weight 154 200 Roman H 198 277 67 67 60 60 60 60 60	24	UNAN	E						_							•
28 SURVA (APP) 766 1,050									_							
Kape	25					Bomai HC				03.08.20					Karai	1 Hr Trek
Sutukia 196 246 Bonai C 23 50 147 01,06.20 1 1 0 0 0 Rorg 410 Trak	25					Romai ⊔∩			_	01 08 20			_		Karai	4 Hr Trek
Sognin																
Talebakul 523 329 Semail C 505 54 573 508.80 1 1 0 0 0 Karal 4 HT Tale Husukai 206 238 Semail C 191 32 49 208.80 1 1 0 0 0 Karal 4 HT Tale Husukai 206 238 Semail C 191 32 49 208.20 1 1 0 0 0 Karal 4 HT Tale 4 HT Ta																
Dibeshi	26	HAIA			1,310		1,286	220	648		4	4	0	0		
Husukai 206 238 Sama HC 191 32 96 02.06.20 1 1 0 0 0 Karai 4 H-Trak Sambibi 277 42.02 50 1 7 02.02 0 1 1 0 0 0 Karai 4 H-Trak 27 SQLADETO 1,883 2.056 1.206 1.206 1.207 1.																
Sambini																
27 SQLIABETO																
Solideto	27					Domaino				02.00.20					Ivaiai	4111 11010
Wazena						Haia HC	392	63	184	05.08.20	1	0	0	14	NBC	Surrounding
Source 195 303 Hais HC 50 8 23 00.00.20 1 0 0 0 1 2 20sg. Tek						Haia HC	314	43	147	07.08.20		0	0	4	NBC	
Hais Community School 16									_						NDC	•
									_							
Toyari															1,20	•
Uneino			Punjano	0	0	Haia HC	316	41	148	08.08.20	1	0	0	2	NBC	12 Hrs Trek
							328	49	158	05.08.20		0	0	0		4 Hrs Trek
NOMANE RURAL 10,894 8,962 6,719 1,684 4,360 46 46 6 0 220 46				Ů	.00											Included under Punjano
NoMANE RURAL 10,894 8,962 8,719 1,884 4380 46 46 6 0 220 46 46 46 46 46 46 46 4				0			125	20	50	00 00 20		0	0	0		
1 DEKAMANE			Joina		109	Tiala TIC	125	20	50	00.00.20	'	- 0	0	0		2 Days Hek
Dikamane	NON	IANE	RURAL	10,894	8,962		8,719	1,684	4,380		46	46	0	220	46	
Nobu	1	DEKA	MANE	1,231	844		774	147	388		3	3	0	2		
Nokul																
AUMA									_							
Auma	2					Nomane HC				15.06.20					FIVI	Roau
Kurigaba 216 208 Nomane HC 194 45 97 15.08.20 1 1 0 3 FM Road			,			Nomane HC				15.08.20					FM	Road
SAMO GAIMO G72 533 578 108 290 5 5 0 17				216					_	15.08.20	1	1	0	3	FM	
Gaimahou 279 195 Nomane HC 205 37 103 14.08.20 1 1 0 11 FM Road						Nomane HC			_	15.08.20					FM	Road
Wairiba 227 159 Nomane HC 150 30 75 15.08.20 1 1 0 1 FM Road	3	GAIMO				Manual 125				14.00.00					E 1.4	Dd
Nomane Luth Mission																
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4 KOLU 1,231 943 969 195 486 6 6 0 17									_							
Nirmil 151 107 Nomane HC 316 47 158 15.08.20 1 1 0 2 FM Road			Nomane Primary School			Nomane HC				15.08.20					FM	Road
Borowal 156 192 Nomane HC 149 33 75 16.08.20 1 1 0 6 FM Road	4		NP 11													
Beetle Creek 237 174 Nomane HC 94 30 47 15.08.20 1 1 0 3 FM Road																
Obi (Goyaku) 330 143 Nomane HC 136 33 68 15.08.20 1 1 0 2 FM Road									_							
New Block 236 188 Nomane HC 109 21 55 15.08.20 1 1 0 1 FM Road									_							
Haral 122									_							
Habai Bolan 505 166 Nomane HC 108 22 54 15.08.20 1 1 0 3 FM Road			Haral			Nomane HC				15.08.20					FM	Road
Habaihou 158 437 Nomane HC 271 65 141 15.08.20 1 1 0 4 FM Road	5	ORU	Hebei Deler							45.00.00					-1.	
Holu 294 155 Nomane HC 122 25 64 15.08.20 1 1 0 1 FM Road																
Mai 158 120 Nomane HC 75 13 38 15.08.20 1 1 0 2 FM Road 6 MONOWARI 778 525 538 108 269 3 3 0 24 Kempten 253 139 Nomane HC 136 17 68 14.08.20 1 1 0 14 FM Road Monowari 378 172 Nomane HC 214 50 107 14.08.20 1 1 0 6 FM Road Yowai 146 215 Nomane HC 188 41 94 14.08.20 1 1 0 4 FM Road 7 KORA 848 679 716 135 362 4 4 0 51 Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek <									_							
6 MONOWARI 778 525 538 108 269 3 3 0 24 Kempten 253 139 Nomane HC 136 17 68 14.08.20 1 1 0 14 FM Road Monowari 378 172 Nomane HC 214 50 107 14.08.20 1 1 0 6 FM Road Yowai 146 215 Nomane HC 188 41 94 14.08.20 1 1 0 4 FM Road 7 KORA 848 679 716 135 362 4 4 0 51 Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 0 FM Road/1 Hr Tre									_							
Monowari 378 172 Nomane HC 214 50 107 14.08.20 1 1 0 6 FM Road Yowai 146 215 Nomane HC 188 41 94 14.08.20 1 1 0 4 FM Road 7 KORA 848 679 716 135 362 4 4 0 51 Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 1 FM Road/1 Hr Trek Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek	6			778	525											
Yowai 146 215 Nomane HC 188 41 94 14.08.20 1 1 0 4 FM Road 7 KORA 848 679 716 135 362 4 4 0 51 Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 1 FM Road/1 Hr Trek Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek									_							
7 KORA 848 679 716 135 362 4 4 0 51 Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 1 FM Road/1 Hr Trek Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek																
Gola 435 320 Nomane HC 316 50 158 14.08.20 1 1 0 37 FM Road/1 Hr Trek Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 1 FM Road/1 Hr Trek Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek	7					Nomane HC				14.08.20					+M	Road
Gomla 112 101 Nomane HC 70 20 39 14.08.20 1 1 0 1 FM Road/1 Hr Trek Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek	- /	KOKA				Nomane HC				14.08.20					FM	Road/1 Hr Trek
Nam 294 177 Nomane HC 180 34 90 14.08.20 1 1 0 0 FM Road/1 Hr Trek									_							
Yowai Community School 6 80 Nomane HC 150 31 75 14.08.20 1 1 0 13 FM Road/1 Hr Trek						Nomane HC										
			Yowai Community School	6	80	Nomane HC	150	31	75	14.08.20	1	1	0	13	FM	Road/1 Hr Trek

		1												1	
			Estimated 2020 Data	Estimated			House						Houses		
LLG	WARD	VILLAGE	Based On	2020 Data	Health Centre	Population Surveyed	Holds	Nets	Date Of	Villages	Digicel	Bmobile	With	Radio Networks	Comment
			2000	Based On 2017 Data		Surveyed	Surveyed	Issued	Distribution				Radios		
			Census												
8	DAMA	T	401	395		422	81	211		1	1	0	8		
	110-	Gerema	401	395	Nomane HC	422	81	211	15.08.20	1	1	0	8	FM	2 Hr Trek
9	HOPL		456	431		425	74	213		2	2	0	1		
		Homane Ounum	216	260	Nomane HC	242	34	121	15.08.20	1	1	0	1	FM	2 Hr Trek
	> /1 D A /	Obum	240	171	Nomane HC	183	40	92	15.08.20	1	1	0	0	FM	2 Hr Trek
10	YUW		338	317		453	75	227		2	2	0	27		
		Mariox	148	149	Nomane HC	229	37	115	15.08.20	1	1	0	12	FM	Road
		Yuwai	190	168	Nomane HC	224	38	112	15.08.20	1	1	0	15	FM	Road
11	APUR		906	855		809	138	406		3	3	0	15		
		Kabre	435	423	Nomane HC	378	62	190	14.08.20	1	1	0	8	FM	Road
		Wahongo	166	188	Nomane HC	165	31	83	14.08.20	1	1	0	1	FM	Road
		Waula	305	244	Nomane HC	266	45	133	14.08.20	1	1	0	6	FM	Road
12	KUKA		611	713		634	137	319		4	4	0	18		
		Kiari Community School	19	201	Nomane HC	49	10	25	16.08.20	1	1	0	4	FM	Road
		Kunol	249	239	Nomane HC	265	49	133	15.08.20	1	1	0	1	FM	Road
		Mau	154	112	Nomane HC	185	48	93	16.08.20	1	1	0	12	FM	Road
- 10		Yunoho	188	162	Nomane HC	135	30	68	15.08.20	1	1	0	1	FM	Road
13	KALE	T	1,433	1,297		1,290	237	644		6	6	0	23		
		Kukuma	300	289	Nomane HC	328	50	164	16.08.20	1	1	0	15	FM	Road / 1 Hr Trek
		Muragoi	326	219	Nomane HC	184	39	92	16.08.20	1	1	0	1	FM	Road / 1 Hr Trek
		Aburi	313	267	Nomane HC	238	45	119	16.08.20	1	1	0	3	FM	Road / 1 Hr Trek
		Muneri	330	228	Nomane HC	225	46	112	15.08.20	1	1	0	3	FM	Road / 1 Hr Trek
		Las Wara	106	232	Nomane HC	176	32	88	16.08.20	1	1	0	1	FM	Road / 1 Hr Trek
		Owaiho	57	62	Nomane HC	139	25	69	16.08.20	1	1	0	0	FM	Road / 1 Hr Trek
	TP	DAL	00.70	40 440		40.15	0.000								
_	T RUI		20,731	18,110		16,420	3,428	8,479		57	57	27	1,232	57	
1	RANE	WERA	1,264	1,010	100	695	148	373	00.00	3	3	1	65		
		Ameri	287	384	Kilau HC	201	41	107	20.07.20	1	1	0	3	NBC	Road
		Baniwera	320	248	Kilau HC	303	58	159	20.07.20	1	1	0	36	NBC	Road
	01.17	Hanbai (Mangi)	656	378	Kilau HC	191	49	107	20.07.20	1	1	1	26	NBC	Road
2	SUA (YAULO)	2,839	646		662	137	331		2	2	1	29		
		Yobaboli	530	352	Kilau HC	365	71	184	21.07.20	1	1	1	0	NBC	Road
		Suabegil	313	294	Kilau HC	297	66	147	21.07.20	1	1	0	29	NBC	Road
		Deri/Sua	523	0	Kilau HC										Same as in Ward 24
		Mirima	989	0											Same as in Ward 24
		Bosla	484	0	Kilau HC										Same as in Ward 24
3	DIRIN		1,246	1,397		1,225	264	628		4	4	4	0		
		Aregigi	214	169	Kilau HC	119	27	60	21.07.20	1	1	1	0	NBC	Road
		Dirima 2	575	313	Kilau HC	305	71	157	21.07.20	1	1	1	0	NBC	Road
		Doliba High School	15	337	Kilau HC	341	66	178	21.07.20	1	1	1	0	NBC	Road
		Moma	442	579	Kilau HC	460	100	233	21.07.20	1	1	1	0	NBC	Road
4	DIANI		929	714		548	126	288		2	2	2	60		
		Diani	460	338	Kilau HC	282	64	147	21.07.20	1	1	1	42	NBC	Road
		Yobai	469	376	Kilau HC	266	62	141	21.07.20	1	1	1	18	NBC	Road
5	GOR		497	512		545	100	276		2	2	1	2		
		Baibai	203	230	Kilau HC	261	50	142	21.07.20	1	1	1	2	NBC	Road
		Goroba	294	281	Kilau HC	284	50	134	21.07.20	1	1	0	0	NBC	Road
6	AINAE		856	596		688	149	363		2	2	0	53		
		Bogahulalua (Bogaikul)	387	344	Kilau HC	400	80	206	21.07.20	1	1	0	39	NBC	Road
	DED:	Hamanedimane	469	252	Kilau HC	288	69	157	21.07.20	1	1	0	14	NBC	Road
7	PERU		638	574		504	116	262		2	2	0	0		
		Ainabane	140	149	Kilau HC	157	36	84	21.07.20	1	1	0	0	NBC	Road
	\ (O.D.4	Perui	499	425	Kilau HC	347	80	178	21.07.20	1	1	0	0	NBC	Road
8	YOPA		885	433	129 117	408	91	210	04.07.00	1	1	1	33	NDC	
_	VOD	Gomiri	885	433	Kilau HC	408	91	210	21.07.20	1	1	1	33	NBC	Road
9	YOPA		1,498	1,428	129 117	1,162	245	584	04.07.00	3	3	3	95	NDC	
		Oinima	586	499	Kilau HC	415	97	206	21.07.20	1	1	1	51	NBC	Road
		Simninil	581	531	Kilau HC	559	99	278	21.07.20	1	1	1	24	NBC	Road
10	MOGI	Yobaeri	330	398	Kilau HC	188	49	100	21.07.20	1	1 2	1	20	NBC	Road
10	MOGI	Kenamaina (Kul)	393 138	532 105	Kilari U.O	537	128 47	285 105	10.07.00	2		1	27	NIDO	Teals
			138 255	195	Kilau HC	200 337	81	105 180	19.07.20 19.07.20	1	1	0	0 27	NBC NBC	Trek Trek
11	MODI	Minaguri NIL \ KORI	255 588	337 669	Kilau HC	693	144	358	15.01.20	3	3	1	27 27	INDU	HEK
-11	INORI	Brokul	208	280	Kilau HC	337	68	175	19.07.20	1	1	0	15	NBC	Road / 1 Hr Trek
		Morikama	112	204	Kilau HC Kilau HC	231	50	118	19.07.20	1	1	1	2	NBC	Road / 1 Hr Trek
		Morinil Kol	268	185	Kilau HC Kilau HC	125	26	65	19.07.20	1	1	0	10	NBC	Road / 1 Hr Trek
12	YOPA		187	285	ruiau AC	376	67	191	10.01.20	2	2	0	56	INDO	NOGU/ I III IIEN
12	1017	Munikobale	89	159	Kilau HC	209	38	108	19.07.20	1	1	0	35	NBC	Road / 1 Hr Trek
		Yopakul	97	125	Kilau HC	167	29	83	19.07.20	1	1	0	21	NBC	Road / 1 Hr Trek
13	WAID		622	719		560	108	288	2.27.20	2	2	2	56		222, TH. 110K
		Yobabolisi (Mini)	237	260	Kilau HC	113	31	55	20.07.20	1	1	1	14	NBC	Road
		Yolawaido	385	460	Kilau HC	447	77	233	20.07.20	1	1	1	42	NBC	Road
14	TAPA	EKUL	518	506		432	94	223		2	2	0	63	-	****
		Nimegula	223	215	Kilau HC	195	45	102	20.07.20	1	1	0	15	NBC	Road
		Tabaikul	296	291	Kilau HC	237	49	121	20.07.20	1	1	0	48	NBC	Road
15	KOBII	E BALAMIL	388	549		710	143	363		1	1	1	112	-	
Ť		Koblobalanil	388	549	Kilau HC	710	143	363	20.07.20	1	1	1	112	NBC	Road
16	TAPA		1,156	1,096		1,122	219	585		5	5	2	46		
		Gigebemalgi	135	154	Kilau HC	241	45	125	20.07.20	1	1	0	7	NBC	Road
		Tabai (Molalva)	213	167	Kilau HC	165	35	90	20.07.20	1	1	1	19	NBC	Road
		Humbaba	224	266	Kilau HC	134	30	70	20.07.20	1	1	0	15	NBC	Road
		Beregule	255	172	Kilau HC	256	48	131	20.07.20	1	1	0	5	NBC	Road
		Kabnibani	330	337	Kilau HC	326	61	169	20.07.20	1	1	1	0	NBC	Road
17	YURI		906	883		729	146	375		3	3	0	74		
		Yuribol	411	441	Kilau HC	294	55	152	20.07.20	1	1	0	30	NBC	Road
		Saina/Town Gan	419		Kilau HC	315	68	162	20.07.20	1	1	0	27	NBC	Road
										•					

LLG	WARD	VILLAGE	Estimated 2020 Data Based On 2000 Census	Estimated 2020 Data Based On 2017 Data	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Radios	Radio Networks	Comment
		Kilau Station	76	58	Kilau HC	120	23	61	20.07.20	1	1	0	17	NBC	Road
18	MIRIM	A	658	489		437	90	223		2	2	1	41		
		Erema	395	237	Kilau HC	217	42	113	20.07.20	1	1	1	11	NBC	Road
		Moma (Mirima)	263	252	Kilau HC	220	48	110	20.07.20	1	1	0	30	NBC	Road
19	BORI		609	462		374	65	190		2	2	2	2		
		Bori/Pulma	253	206	Kilau HC	237	43	118	20.07.20	1	1	1	0	NBC	Road
		Bri/Yorihul	356	255	Kilau HC	137	22	72	20.07.20	1	1	1	2	NBC	Road
20	MULU	GRA	382	372		359	87	187		2	2	2	19		
		Nilnere	278	144	Kilau HC	162	37	85	20.07.20	1	1	1	7	NBC	Road
		Murugra	104	228	Kilau HC	197	50	102	20.07.20	1	1	1	12	NBC	Road
21	MANK	ON	661	551		548	101	285		2	2	2	0		
		Mankon	400	399	Kilau HC	265	51	141	20.07.20	1	1	1	0	NBC	Road
		Dulai	262	152	Kilau HC	283	50	144	20.07.20	1	1	1	0	NBC	Road
22	KAMA		1,535	1,143		937	193	483		2	2	0	116		
		Olwi	796	563	Kilau HC	497	100	260	21.07.20	1	1	0	72	NBC	Road
		Kama	739	580	Kilau HC	440	93	223	21.07.20	1	1	0	44	NBC	Road
23	GAIM	4	1,475	679		723	188	380		2	2	0	92		
		Gaima Dawa	549	679	Kilau HC	511	138	269	21.07.20	1	1	0	69	NBC	Road
	_	Mainkuri	926	0	Kilau HC	212	50	111	21.07.20	1	1	0	23	NBC	Road
24	DERI			1,866		1,446	279	748		4	4	0	164		
	_	Deri/Sua		630	Kilau HC	712	125	369	22.07.20	1	1	0	71	NBC	Road
	_	Mirima		539	Kilau HC	299	54	150	22.07.20	1	1	0	41	NBC	Road
	_	Bosla		475	Kilau HC	239	62	129	22.07.20	1	1	0	28	NBC	Road
		Omkole		222	Kilau HC	196	38	100	22.07.20	1	1	0	24	NBC	Road

ANNEX THREE

CHIMBU PROVINCE KEROWAGI DISTRICT POPULATION 2020 LLIN DISTRIBUTION SUMMARY SHEET

	WARD	VILLAGE	Estimated 2020 Data Based On 2000 Census	Estimated 2020 Data Based On 2017 Data	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Radios	Radio Networks	Comment
		JGLA RURAL	30,060			34,669	6,302	17,590		88	88	37	1,847	88	
1	NOGAR		1,216	1,275		1,164	218	587		4	4	0	32		
		Nogar	164	202	Nogar HC	220	34	110	13.07.20	1	1	0	2	NBC & FM	30 Mins
		Kamanigle	344 392	545 215	Nogar HC	322	65	168	13.07.20	1	1	0	0	NBC & FM	1 Hr 30 Mins
		Talange Ira	316	313	Nogar HC Nogar HC	227 395	48 71	113 196	13.07.20 13.07.20	1	1	0	5 25	NBC & FM NBC & FM	30 Mins 2 Hrs 30 Mins
2	MUKUN		755	696	140gui 110	737	149	367	10.07.20	4	4	0	26	NEC GTW	21110 00 WIII10
		Welakumar	215	90	Nogar HC	155	32	79	13.07.20	1	1	0	9	NBC & FM	1 Hour
		Mukana	221	178	Nogar HC	188	38	90	13.07.20	1	1	0	1	NBC & FM	1 Hour
		Baglkagl	173	262	Nogar HC	260	47	128	13.07.20	1	1	0	14	NBC & FM	2 Hour
2	BOMBIE	Wagla	146 1,155	166 981	Nogar HC	134 644	32 132	70 329	13.07.20	1 3	3	0 0	2 14	NBC & FM	1 Hrs 30 Mins
		Bombir	371	565	Nogar HC	417	80	211	13.07.20	1	1	0	6	NBC & FM	2 Hrs
		Noglai Nigle	367	221	Nogar HC	109	27	62	13.07.20	1	1	0	6	NBC & FM	1 Hrs 30 Mins
		Kura Olto	417	195	Nogar HC	118	25	56	13.07.20	1	1	0	2	NBC & FM	2 Hrs
4	KENDIN		2,831	2,421		3,481	652	1,698		9	9	0	0		
		Kendine	257	283	Kendine HC	575	100	282	20.07.20	1	1	0	0	FM	5mins by Road 4Hrs Road/Trek
		Kamataru Binagl	169 592	177 359	Kendine HC Kendine HC	131 652	22 132	64 322	20.07.20	1	1	0	0	FM FM	10mins by Road
		Sie Mogl	799	710	Kendine HC	742	150	365	20.07.20	1	1	0	0	FM	2Hrs By Road/Trek
		Bogl Nigle	158	114	Kendine HC	110	20	52	20.07.20	1	1	0	0	FM	5Hrs by Road/Trek
		Dan Nigle	384	325	Kendine HC	507	78	245	20.07.20	1	1	0	0	FM	2Hrs By Road/Trek
		Burba	257	268	Kendine HC	294	50	144	20.07.20	1	1	0	0	FM	2Hrs, 40 mins by Road/Trek
		Kendine H/C	215 NEW	186	Kendine HC	201	50	97	20.07.20	1	1	0	0	FM	2mins by Road
-5	KAMBA	Alglura NG	1,573	1,374	Kendine HC	269 2,025	50 400	127 1,004	20.07.20	1 5	5	0 0	0 0	FM	15mins by Road
	TO WID?	Kambage	415	428	Kendine HC	196	47	96	20.07.20	1	1	0	0	FM	2mins by Road
		Bagle	339	268	Kendine HC	413	84	212	20.07.20	1	1	0	0	FM	45mins by Road
		Ganbugl	791	646	Kendine HC	998	195	497	20.07.20	1	1	0	0	FM	15mins by Road
		Bagle C/S	29	32	Kendine HC	140	24	66	20.07.20	1	1	0	0	FM	45mins by Road
6	SIM	Kerange	NEW	2,543	Kendine HC	278	50	133	20.07.20	7	7	0	0	FM	30mins by Road
0	SIIVI	Sim	2,894 223	2,343	Kendine HC	4,096 603	723 100	1,992 287	21.07.20	1	1	0	0	FM	10mins by Road
		Urmand	310	131	Kendine HC	261	50	125	21.07.20	1	1	0	0	FM	5mins by Road
		Gagl	481	436	Kendine HC	570	101	278	21.07.20	1	1	0	0	FM	40mins by Road
		Uka	1,157	801	Kendine HC	835	143	404	21.07.20	1	1	0	0	FM	2mins by Road
		Siur	723	953	Kendine HC	988	182	490	21.07.20	1	1	0	0	FM	1Hour by Road
		Pokobuko Kundur	NEW NEW		Kendine HC	570 269	97 50	278 130	21.07.20	1	1	0	0	FM	35mins by Road 30mins by Road
7		YAUNDO	3,955	4,107	Kendine HC	3,872	556	2,092	21.07.20	1 8	8	0 8	0 432	FM	Soffills by Road
		Dibindiyaudo	782	744	Mingende H	648	71	346	16.07.20	1	1	1	71	NBC-Simbu	Road
		Kurumbayu	637	436	Mingende H	579	95	291	16.07.20	1	1	1	95	NBC-Simbu	Road
		Kaman	291	377	Mingende H	216	31	128	15.07.20	1	1	1	64	NBC-Simbu	Road
		Yaglmugl	620		Mingende H	765	51	405	15.07.20	1	1	1		NBC-Simbu	Road
		Yagle Karmel	413 274	355 262	Mingende H Mingende H	408 172	61 20	221 100	14.07.20 14.07.20	1	1	1	61 20	NBC-Simbu NBC-Simbu	Road Road
		Diugl	527	692	Mingende H	543	106	298	21.07.20	1	1	1	0	NBC-Simbu	Road
		Gever Kurba	411	626	Mingende H	541	121	303	16.07.20	1	1	1	121	NBC-Simbu	Road
8	DUGLG	AMBUGL	3,097	3,959		4,836	807	2,480		10	10	10	614		
		Duglgambagl	428	558	Mingende H	527	72	273	23.07.20	1	1	1	72	NBC-Simbu	Road
		Kenigle Kutn	306	485	Mingende H	591	100	308	23.07.20	1	1	1	72	NBC-Simbu NBC-Simbu	Road
		Kumbu	478 308	514 394	Mingende H Mingende H	520 588	59 94	235 287	14.07.20 17.07.20	1	1	1	47 3	NBC-Simbu NBC-Simbu	Road Road
		Yurnigle	464	340	Mingende H	294	69	173	23.07.20	1	1	1	63	NBC-Simbu	Road
		Gaglmambo	527	760	Mingende H	694	136	380	21.07.20	1	1	1	122	NBC-Simbu	Road
		Kanguma	42	45	Mingende H	125	28	70	14.07.20	1	1	1	19	NBC-Simbu	Road
		Kolmane	173	197 335	Mingende H	312	49	154	21.07.20	1	1	1	46	NBC-Simbu	Road
		Mingende C/S Mingende C/Msn	160 211	332	Mingende H Mingende H	584 601	100 100	309 291	23.07.20 23.07.20	1	1	1	83 87	NBC-Simbu NBC-Simbu	Road Road
9	KUNBI	Willingeriae O/Worr	3,430	3,778	Willigenderr	3,369	674	1,782	25.07.20	10	10	10	237	14BO-Simbu	Nodu
		Kunbi	478	446	Mingende H	520	100	265	16.07.20	1	1	1	57	NBC-Simbu	Road
		Koronigle	263	383	Mingende H	359	75	182	19.07.20	1	1	1	57	NBC-Simbu	Road
		Kaglma	434	395	Mingende H	229	46	115	17.07.20	1	1	1	0	NBC-Simbu	Road
		Komugl Yume	137 46	192 106	Mingende H	192 155	47 35	106 87	15.07.20	1	1	1	37	NBC-Simbu	Road
		Waiyaundo	204	315	Mingende H Mingende H	354	76	198	15.07.20 17.07.20	1	1	1	13	NBC-Simbu NBC-Simbu	Road Road
		Dimbi	620	457	Mingende H	441	83	233	16.07.20	1	1	1	41	NBC-Simbu	Road
		Kombuglomogo	460	585	Mingende H	281	55	154	17.07.20	1	1	1	7	NBC-Simbu	Road
		Kutnigle	158	580	Mingende H	370	64	197	23.07.20	1	1	1	2	NBC-Simbu	Road
4-	I/CN:D:	Kuimar	632	319	Mingende H	468	93	245	17.07.20	1	1	1	21	NBC-Simbu	Road
10	KOMBU		4,039	4,702	Mineral	4,376	795	2,291	22.07.00	9	9	9	492	NDC C:- 1	Bood
		Baglepera Waingar	736 647	580 469	Mingende H Mingende H	554 528	93 100	291 281	22.07.20 22.07.20	1	1	1	50 81	NBC-Simbu NBC-Simbu	Road Road
		Tawiakalage	409	468	Mingende H	405	85	224	22.07.20	1	1	1	46	NBC-Simbu	Road
		Mandaisuglo	771	787	Mingende H	718	108	353	22.07.20	1	1	1	34	NBC-Simbu	Road
		Gingiu	544	513	Mingende H	484	100	260	22.07.20	1	1	1	69	NBC-Simbu	Road
		Mingainuglo Simgau C/S	386	374	Mingende H	489	79	259	22.07.20	1	1	1	69	NBC-Simbu	Road
		- IPO 0011 I : /C	384	743	Mingende H	543	95	285	21.07.20	1	1	1	52	NBC-Simbu	Road

1

			Estimated 2020 Data	Estimated		D 1.0	House	No.	D. / . O/				Houses		
LLG	WARD	VILLAGE	Based On	2020 Data Based On	Health Centre	Population Surveyed	Holds	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	With	Radio Networks	Comment
			2000 Census	2017 Data			Surveyed						Radios		
		Kondiu		526	Minerale	500	97	054	20.07.00	4	1	4	50	NDC Circles	Deed
11	SIAMBL	UGLA WAUGKU	1,798	1,468	Mingende H	508 1,619	324	254 791	22.07.20	7	7	0	53 0	NBC-Simbu	Road
		Mondadrugl	537	539	Kendine HC	459	100	224	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Parmugl	129		Kendine HC	218	38	107	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Dirkule	213		Kendine HC	52	12	25	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Gugurua Yoglogaima	116 297	35	Kendine HC Kendine HC	277 247	32 63	132 122	23.07.20 23.07.20	1	1	0	0	FM FM	Road / 3 Hr Trek Road / 3 Hr Trek
		Metne	110		Kendine HC	161	33	81	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Tauyadumo	396	224	Kendine HC	205	46	100	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
12	SIAMBL	UGLA WAUKU	1,408			1,683	291	810		6	6	0	0		5 .// 5
		Engre Konbi	177 407	460 536	Kendine HC Kendine HC	348 282	50 60	167 139	23.07.20 23.07.20	1	1	0	0	FM FM	Road / 3 Hr Trek Road / 3 Hr Trek
		Miane	137	428	Kendine HC	593	90	275	23.07.20	1	1	0	0	FM FM	Road / 3 Hr Trek
		Gaglbuna	209		Kendine HC	95	23	49	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Murbo	314		Kendine HC	244	48	121	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
12	CENA	Dirnigle YOGOMBO	164 1,908		Kendine HC	121	20	59	23.07.20	1	1	0	0	FM	Road / 3 Hr Trek
13	GENA	Kambu	1,119	1,152	Kendine HC	2,767 817	581 163	1,367 397	22.07.20	6	6	0	0	FM	Road / 3 Hr Trek
		Singe	280	220	Kendine HC	653	132	327	22.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Tamugl	419		Kendine HC	460	93	226	22.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Aglaur	91 NEW	175	Kendine HC	215	43	104	22.07.20	1	1	0	0	FM	Road / 3 Hr Trek
		Mumugl Gowo Puma	NEW NEW		Kendine HC Kendine HC	354 268	100 50	181 132	22.07.20 22.07.20	1	1	0	0	FM FM	Road / 3 Hr Trek Road / 3 Hr Trek
			0	0		200	30	.02	57.20	<u> </u>		J		. 141	.1044, 5111 1168
		RURAL	50,641			58,932	10,396	27,592		103	102	34	3,287	102	
1	DAGE N		1,503			3,362	644	1,654	00.00	5	4	2	200		51
		Demange 1 Demange 2	479 618	1,455 1,124	Demange HC Demange HC	1,401 1,397	285 250	691 681	09.07.20 08.07.20	1	1	1	79 91	FM FM	Road Road
		Gambuglge	405		Demange HC	189	43	98	08.07.20	1	1	0	91	FM	Road
		Ganigle Laswara		572	Demange HC					1					Covered under Jiwaka
	DA 05	Denge Laswara	NEW		Demange HC	375	66	184	09.07.20	1	1	0	21	FM	Road
2	DAGE	MINTA 1 Denge	1,830 382	1,424	Demange HC	1,216 372	250 69	614 184	08.07.20	4	4	0	84 8	FM	Road
		Du	516		Demange HC	121	26	61	07.07.20	1	1	1	9	FM	Road
		Boi	868	668	Demange HC	628	135	321	08.07.20	1	1	0	43	FM	Road
		Denge Community School	65		Demange HC	95	20	48	08.07.20	1	1	0	24	FM	Road
3	DAGE	MITNA 2	1,901 415	2,145	D IIC	1,941	401	968	00.07.00	4	4	1	196	EN4	Deed
		Niglgogl Kewamugl	757	482 894	Demange HC Demange HC	477 818	100 163	234 411	08.07.20 08.07.20	1	1	1	29 101	FM FM	Road Road
		Kugayam	497	564	Demange HC	410	88	203	08.07.20	1	1	1	41	FM	Road
		Mondia	232	204	Demange HC	236	50	120	08.07.20	1	1	1	25	FM	Road
4	DAGE	YOGOMBO 1	3,550 1,073		Missada IIO	4,760	799	2,283	07.07.00	5 1	5 1	5	0	Dadia Ciash	Deed
		Kuglgonange Kombuglo	900	2,264 692	Miunde HC Miunde HC	2,499 1,137	436 150	1,201 544	07.07.20 07.07.20	1	1	1	0	Radio Simbu Radio Simbu	Road Road
		Moroma Sda Msn	1,084		Miunde HC	134	23	63	07.07.20	1	1	1	0	Radio Simbu	Road
		Yomba Community School	493			43	8	21	07.07.20	1	1	1	0	Radio Simbu	Road
-	DACE	Niglgol	2.004	1,018	Miunde HC	947	182	454	09.07.20	1	1	1	0	Radio Simbu	1 Hr Trek
5	DAGE	YOGOMBO 2 Moroma 2	2,064 504		Miunde HC	1,953 223	389 50	940 107	06.07.20	3	3 1	3 1	0	Radio Simbu	Road
		Miunde	986		Miunde HC	1,380	261	665	06.07.20	1	1	1	0	Radio Simbu	Road
		Miunde Community School	575		Miunde HC	350	78	168	06.07.20	1	1	1	0	Radio Simbu	Road
6	KAMAN		3,276			2,255	455	1,049		6	6	0	359		D
		Siure Pukar	261 955	257 595	Kerowagi HC Kerowagi HC	230 475	40 93	102 229	09.07.20 09.07.20	1	1	0	12 41	NBC NBC	Road Road
		Kangri Range	1,073	1,215	Kerowagi HC	1,076	230	508	09.07.20	1	1	0	230	NBC	Road
		Amdi	544	303	Kerowagi HC	191	42	88	09.07.20	1	1	0	38	NBC	Road
		Gu Siure Cath/Mission	420	195	Kerowagi HC	192	40	86	09.07.20	1	1	0	28	NBC	Road
7	SILKU	Giule Galil/IviiSSIOH	23 3,198		Kerowagi HC	91 2,830	10 564	36 1,324	09.07.20	1 6	6	0	10 432	NBC	Road
		Tauglpene	594	702	Kerowagi HC	384	98	176	09.07.20	1	1	0	98	NBC	Road
		Kurumugl 1	352	361	Kerowagi HC	340	90	166	09.07.20	1	1	0	0	NBC	Road
		Goglme Singemambuno	877 713	588 363	Kerowagi HC Kerowagi HC	420 732	99 139	197 335	09.07.20 09.07.20	1	1	0	99 135	NBC NBC	Road Road
		Patna	662	699	Kerowagi HC	593	110	279	09.07.20	1	1	0	100	NBC	Road
		Giruage	NEW		Kerowagi HC	361	28	171	17.07.20	1	1	0	0	NBC	Road
8	KAMEN		1,130			3,632	472	1,554		4	4	0	339		
		Kurumugl 2 Don Bosco InStreet	493 38	175 888	Kerowagi HC	730	97	299	08.07.20	1	1	0	97	NBC	Road Road
		Cis Barawagi	561	236	Kerowagi HC Kerowagi HC	1,630 322	175 50	680 161	08.07.20 08.07.20	1	1	0	118 40	NBC NBC	Road
		Pwd Compound	38		Kerowagi HC	950	150	414	08.07.20	1	1	0	84	NBC	Road
9	PAGAU		3,132	1,247		1,682	308	770		6	6	0	0		
		Dawagle (Endeyaundo) Nek	270		Kerowagi HC	192	36	76	10.07.20	1	1	0	0	NBC	Road Road
		Tamboboglkwa	1,585 84		Kerowagi HC Kerowagi HC	228 292	50 50	112 132	10.07.20 10.07.20	1	1	0	0	NBC NBC	Road Road
		Kaulan/Mogma	215		Kerowagi HC	140	40	68	10.07.20	1	1	0	0	NBC	Road
		Dambuna	685	302	Kerowagi HC	162	35	80	10.07.20	1	1	0	0	NBC	Road
			293	198	Kerowagi HC	668	97	302	10.07.20	1	1	0	0	NBC	Road
40	DACAL	Nombuna		0.474		2,094	406	977		6	6	0	0		
10	PAGAU	J 2	2,422		Kerowani HC		100	284	11 07 20			()	Ο	NRC	Road
10	PAGAU			531	Kerowagi HC Kerowagi HC	625 667	100 148	284 316	11.07.20 11.07.20	1	1	0	0	NBC NBC	Road Road
10	PAGAU	Bunamugl Omugl Perumyaundo	2,422 459 869 361	531 754 316	Kerowagi HC Kerowagi HC	625 667 281	148 50	316 126	11.07.20 11.07.20		1	0	0	NBC NBC	Road Road
10	PAGAU	Bunamugl Omugl Perumyaundo Dawage (Poglko)	2,422 459 869 361 426	531 754 316 298	Kerowagi HC Kerowagi HC Kerowagi HC	625 667 281 146	148 50 29	316 126 72	11.07.20 11.07.20 11.07.20	1 1 1	1 1 1	0 0 0	0 0 0	NBC NBC NBC	Road Road Road
10		Bunamugl Omugl Perumyaundo Dawage (Poglko) Tambunoyaundo	2,422 459 869 361 426 160	531 754 316 298 137	Kerowagi HC Kerowagi HC Kerowagi HC	625 667 281 146 204	148 50 29 39	316 126 72 99	11.07.20 11.07.20 11.07.20 11.07.20	1 1 1	1 1 1	0 0 0	0 0 0	NBC NBC NBC NBC	Road Road Road Road
		Bunamugl Omugl Perumyaundo Dawage (Poglko)	2,422 459 869 361 426	531 754 316 298 137 138	Kerowagi HC Kerowagi HC Kerowagi HC	625 667 281 146	148 50 29	316 126 72	11.07.20 11.07.20 11.07.20	1 1 1	1 1 1	0 0 0	0 0 0	NBC NBC NBC	Road Road Road

LLG	WARD	VILLAGE	Estimated 2020 Data Based On 2000 Census	Estimated 2020 Data Based On 2017 Data	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Radios	Radio Networks	Comment
		Daruage	268	142	Kerowagi HC	203	34	99	12.07.20	1	1	0	0	NBC	Road
		Kombuglkande	630	520	Kerowagi HC	469	98	236	12.07.20	1	1	0	0	NBC	Road
		Tembai	316		Kerowagi HC	133	27	66	12.07.20	1	1	0	0	NBC	Road
		Kurumbamambuno	352	226	Kerowagi HC	491	50	226	12.07.20	1	1	0	0	NBC	Road
12	PAGAU		2,152	2,267		3,645	539	1,572		5	5	0	0		
		Nombuna Orua 1	795 194	661 639	Kerowagi HC Kerowagi HC	1,371 829	150 150	496 389	10.07.20 10.07.20	1	1	0	0	NBC NBC	Road Road
		Orua 2	426	551	Kerowagi HC	756	118	347	10.07.20	1	1	0	0	NBC	Road
		Kiglendie	65		Kerowagi HC	243	50	125	10.07.20	1	1	0	0	NBC	Road
		Wagir	672	366	Kerowagi HC	446	71	215	10.07.20	1	1	0	0	NBC	Road
13	PAGAU		826			1,856	324	890		3	3	0	174		
		Angagoi	280 110	712 493	Bogo HC	602	124	290	17.07.20	1	1	0	39	FM	Road
		Gagan Angagoi Community School	436		Bogo HC Bogo HC	576 678	100 100	271 329	19.07.20 17.07.20	1	1	0	58 77	FM FM	Road Road
14	GRAIG		628			613	123	293		3	3	0	45		
		Bogo	563	412	Bogo HC	343	71	169	19.07.20	1	1	0	27	FM	Road
		Bogo Community School	11	102	Bogo HC	157	31	69	19.07.20	1	1	0	8	FM	Road
4.5		Bogo H/C	53	69	Bogo HC	113	21	55	19.07.20	1	1	0	10	FM	Road
15	GRAIG	Agumbanigle	1,922 616	1,405 549	Bogo HC	1,091 387	236 82	533	18.07.20	4	4	0	70 47	FM	Road / Trek
		Meke	980	406	Bogo HC Bogo HC	387	86	193	19.07.20	1	1	0	16	FM FM	Trek
		Ganigle Bridge		177	Bogo HC	207	45	106	19.07.20	1	1	0	0	FM	Road / Trek
		Bimambuno	325	274	Bogo HC	110	23	53	19.07.20	1	1	0	7	FM	Road
16	BINDEK		1,473	1,124		1,113	185	535		3	3	0	93		
		Kawa Elomba	984	582 399	Bogo HC	572 417	83	275	20.07.20	1	1	0	52	FM	Road Road
		Dinageyaugl	314	399	Bogo HC Bogo HC	417	83	201	20.07.20	1		U	26	FM	Non-Existent
	-	Kuglbo - Eli	175	143	Bogo HC	124	19	59	19.07.20	1	1	0	15	FM	Road
17	DAMBA		3,615	5,530	, i	6,224	1,114	2,985		8	8	8	0		
		Elu	436	644	Miunde HC	840	150	403	06.07.20	1	1	1	0	Radio Simbu	Road
		Elu Minta	527	335	Miunde HC	392	100	185	06.07.20	1	1	1	0	Radio Simbu	Road
		Kuglbagl 1 Wambur	908 350	560 756	Miunde HC Miunde HC	438 976	89 150	205 468	07.07.20 09.07.20	1	1	1	0	Radio Simbu Radio Simbu	Road Road / 1 Hr Trek
		Bundun	628		Miunde HC	618	134	298	06.07.20	1	1	1	0	Radio Simbu	Road / 1 Hr Trek
		Kurakan	462	466	Miunde HC	548	100	266	06.07.20	1	1	1	0	Radio Simbu	Road
		Kuglbagl	304	1,361	Miunde HC	1,456	250	700	06.07.20	1	1	1	0	Radio Simbu	Road
		Tambaran Block		740	Miunde HC	956	141	460	08.07.20	1	1	1	0	Radio Simbu	Road / 1 Hr Trek
18	NIMAIK		3,643 1,889		16	1,985	376	931	00.07.00	3	3	3	0	D. F. Civi	B
		Gogomugl 1 Ganige 2	687	466 836	Miunde HC Miunde HC	550 950	100 176	241 457	06.07.20 06.07.20	1	1	1	0	Radio Simbu Radio Simbu	Road Road
		Gogomugl 2	1,067	426	Miunde HC	485	100	233	06.07.20	1	1	1	0	Radio Simbu	Road
19	DAGE Y	YOGOMBE 3	2,502	3,082		3,199	596	1,548		5	5	5	0		
		Awage	755	209	Miunde HC	230	48	119	06.07.20	1	1	1	0	Radio Simbu	Road
		New Camp	226	276	Miunde HC	201	48	96	07.07.20	1	1	1	0	Radio Simbu	Road
		Kuragl Didim	523 626	404	Miunde HC Miunde HC	1,044 1,011	146 195	505 486	07.07.20 07.07.20	1	1	1	0	Radio Simbu Radio Simbu	Road Road
		Ganigle 1	371			713	159	342	07.07.20	1	1	1	0	Radio Simbu	Road
20		MITNA 3	1,195		andorro	1,759	296	866	01.01.20	3	3	3	172	radio omisa	
		Duakonange	780	1,008	Demange HC	1,137	184	558	09.07.20	1	1	1	131	FM	Road
		Parmauglo	219		Demange HC	487	86	240	07.07.20	1	1	1	29	FM	Road
21		Kogonwage IEKU \ SIAMBULA	196 4,518		Demange HC	135 6,671	26 1,143	68 3,011	09.07.20	6	6	1 0	12 1,123	FM	Road
21	KAWAN	Darambuno	978		Kerowagi HC	1,254	244	597	08.07.20	1	1	0	224	NBC	Road
		Gagul	1,252	1,396	Kerowagi HC	1,689	300	777	08.07.20	1	1	0	300	NBC	Road
		Niglpagange	1,185	799	Kerowagi HC	965	149	411	08.07.20	1	1	0	149	NBC	Road
		Dine	348		Kerowagi HC	1,378	200	559	08.07.20	1	1	0	200	NBC	Road
		Dendigle Gagul Community School	679		Kerowagi HC	1,130	200	544	08.07.20	1	1	0	200	NBC	Road
22		VAGI URBAN	76 2,251	68 2,803	Kerowagi HC	255 3,425	50 537	123 1,529	08.07.20	6	6	0 0	50 0	NBC	Road
		Riot Squad Res.	434		Kerowagi HC	518	100	234	12.07.20	1	1	0	0	NBC	Road
		Town - District Office	436	498	Kerowagi HC	859	110	365	12.07.20	1	1	0	0	NBC	Road
		Kerowagi High School	453	370	Kerowagi HC	282	50	125	12.07.20	1	1	0	0	NBC	Road
		Coffee Factory	335 594		Kerowagi HC	335	50	150	12.07.20	1	1	0	0	NBC	Road
		Hospital - Market Police Barracks	594	711 516	Kerowagi HC Kerowagi HC	886 545	127 100	405 250	12.07.20 12.07.20	1	1	0	0	NBC NBC	Road Road
				3.0		J.J	.03			· ·					11000
	RURAL		23,652			20,458	3,431	10,396		50	49	34	427	49	
1	KUMGA		2,627	3,409		3,686	618	1,834		8	8	8	54		
		Kup	502	386	Kup HC	724	116	344	11.07.20	1	1	1	3	KBM FM	Road Road
		Tembuka Whagi Bridge	371 1,395	473 1,311	Kup HC Kup HC	820 819	125 156	425 409	13.07.20 12.07.20	1	1	1	4 16	KBM FM KBM FM	Road Road
		Dondua	314		Kup HC Kup HC	414	70	215	12.07.20	1	1	1	12	KBM FM	Road
		Kup Stn.	27		Kup HC	339	56	166	11.07.20	1	1	1	0	KBM FM	Kup SHC staff included here
		Kun Campourite C. I.		50.					44					V2	Includes Catholic Mission
		Kup Community School Piawi	NEW	564	Kup HC Kup HC	265	44 44	130	14.07.20 13.07.20	1	1	1	16 0	KBM FM KBM FM	residents. Trek from Kup SHC
		Tumun Suak Primary School			Kup HC Kup HC	268 37	7	127 18	13.07.20	1	1	1	3	KBM FM KBM FM	Road
2		BONMEKU	2,774	2,746		2,286	432	1,148		5	5	5	39	191	
		Gamar 2	776	2,133	Kup HC	1,196	200	603	11.07.20	1	1	1	31	KBM FM	Road
		Kuzil	1,288	613	Kup HC	118	24	62	11.07.20	1	1	1	3	KBM FM	Road
		Niglgol	710	0	Kup HC	45.1	00	040	44.07.00				_	VDM E	Non-Existent
		Mur High School	NEW		Kup HC	454	96	219 230	11.07.20	1	1	1	3	KBM FM	Includes small hamlets.
		Bouken	NEW		Kun HC								٠,	KHMILIM	Kuan
		Bouken Gamar	NEW NEW		Kup HC Kup HC	453 65	100 12	34	11.07.20 11.07.20	1	1	1	2	KBM FM KBM FM	Road Road

LLG	WARD	VILLAGE	Estimated 2020 Data Based On 2000 Census	Estimated 2020 Data Based On 2017 Data	Health Centre	Population Surveyed	House Holds Surveyed	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Radios	Radio Networks	Comment
		Warabegua	647	259	Kup HC	459	61	227	12.07.20	1	1	1	22	KBM FM	Includes parts of Kuzil in ward 2.
		Domna	333	233	Kup HC	186	35	91	11.07.20	1	1	1	1	KBM FM	Includes small hamlets.
		Nilba	795	0	Kup HC	637	100	324	12.07.20	1	1	1	22	KBM FM	Road
4	KUMLD	DEINGEKU	1.103	1.172	RupTio	1.064	197	545	12.07.20	5	4	4	22	KDIWITIWI	rtoda
	TOWN D	Muru 1	761	709	Kup HC	441	92	239	11.07.20	1	1	1	6	KBM FM	Road
		Muru Community School	342	463	Kup HC	311	50	149	11.07.20	1	1	1	11	KBM FM	Road
		Mur High School	NEW	100	Kup HC	102	17	51	11.07.20	1	1	1	5	KBM FM	Road
		Bouken	NEW		Kup HC	210	38	106	14.07.20	1	1	1	0	KBM FM	Includes small hamlets.
		Gamar	NEW		Kup HC	210	- 00	100	14.07.20	1	· ·		-	INDIVIT IVI	All covered under Gamar 2.
5	KUMA	KINDINGAPAM	1,398	1,899	Rupino	2,119	403	1.104		7	7	7	25		7 th covered under Carnar 2.
	IXOIVI/ (Muru 2	304	591	Kup HC	258	47	137	11.07.20	1	1	1	2	KBM FM	Includes small hamlets.
		Gonga	449	659	Kup HC	364	78	185	14.07.20	1	1	1	10	KBM FM	Road
		Dobil	645	649	Kup HC	477	96	256	16.07.20	1	1	1	5	KBM FM	Road
		Domna 2	NEW	049	Kup HC Kup HC	191	37	101	11.07.20	1	1	1	0	KBM FM	Road
		Airstrip	NEW		Kup HC Kup HC	295	45	151	14.07.20	1	1	1	0	KBM FM	Road
			NEW			253	50	131	14.07.20			1	7	KBM FM	Road
		Gigimunam Dibiu	NEW		Kup HC		50	143		1	1	1	/	KBM FM	Includes small hamlets.
-	ENDLIC	BLA NANGINKU	3.036	2,533	Kup HC	281	450	143 1.418	14.07.20	5	5	5	1	KBM FM	includes small namiets.
C	ENDUC	Kerenga	1,130	2,333 763	Kup HC	2,773 747	100	1,418 384	11.07.20	1	1	1	81 0	KBM FM	Road
		Gawale	561	660	Kup HC Kup HC	466	100	244	16.07.20	1	1	1	0	KBM FM	Road
		Gurumual	1.098	877		901	150	462	11.07.20	1	1	1	19	KBM FM	Road
		Dimbai	247	233	Kup HC Kup HC	371	50	189	14.07.20	1	1	1	42	KBM FM	Road
		Konkap	NEW	233		288	50	139					20		Road
	ENDLIC	GLA KUNAUNAKA	3,031	3,571	Kup HC		566	1,940	11.07.20	1 5	1 5	1 2		KBM FM	Roau
	ENDOC		738	1,013	Kuz IIO	3,955 362	67	1,940	12.07.20	1	1	1	48	KBM FM	Road
_		luage Kalkanigle	NEW	1,013	Kup HC Kup HC	1,270	100	621		1	1	1	21	KBM FM	Road
_		Gunbo	1.444	1,280		1,301		602	15.07.20	1	1	0	17		
		Erimandai	329	228	Neregaima M Neregaima M	228	213 49	118	08.07.20	1	1	0	0	Radio Simbu Radio Simbu	Previously under Kup HC
_		Konmil Community School	519	1.049	Neregaima M	794	137	419	08.07.20 08.07.20	1	1	0	10		Previously under Kup HC Previously under Kup HC
	ENDLIC	SLA KUNAUNAKU 2	1.560	731	Neregaima ivi	604	97	303	08.07.20	2	2	0	0	Radio Simbu	Previously under Kup HC
0	ENDOC	Bi	986	552	Nananina M	501	82	251	08.07.20	1	1	0	0	Dadia Cirolo	Descionalismed No. 110
		Tambunoyaundo	575	179	Neregaima M Neregaima M	103	15	52	08.07.20	1	1	0	0	Radio Simbu Radio Simbu	Previously under Kup HC
_	BANDI		3,316	1.618	Neregaima ivi				08.07.20					Radio Simbu	Previously under Kup HC
9	DANUI	Guruwal	3,316 656	1,618	Neregaima M	1,665 183	272 36	855 99	00.07.00	6 1	6 1	0	61	Dadia Ciari	Road
									08.07.20					Radio Simbu	Road
		Yopa Kui	729 693	397 234	Neregaima M Neregaima M	802 228	105 47	402 120	08.07.20 08.07.20	1	1	0	46 15	Radio Simbu Radio Simbu	Road
		Urugai/kuglame Community	774	520	Neregaima M	177	35	120 88				0	0	Radio Simbu Radio Simbu	Road
		Duamelma	464	153		164	28		08.07.20	1	1				Road Road trek
		Ulwal	404	206	Neregaima M			85	08.07.20	1	1	0	0	Radio Simbu	Road trek Road
10	BANDI		3.031	1,342	Neregaima M	111	21 200	61	08.07.20	4	1	0		Radio Simbu	DBOA
10	DAINUI	Moromambuno	1,425	1,342 284	Nananing M	1,024	200 50	607 145	00.07.00	1	4	0	52	Dadia Ciari	Road trek
			788	314	Neregaima M	268	40	_	08.07.20	1	1	0	15	Radio Simbu	Road trek Road
		Neregaima Kamtai	548	535	Neregaima M Neregaima M	152 429	80	139 225	08.07.20 08.07.20	1	1	0	37	Radio Simbu Radio Simbu	Road
		Neregaima Cath Mission	270	209	Neregaima M Neregaima M	175	30	98		1	1	0	0	Radio Simbu Radio Simbu	Road
		ineregalitia Calif Mission	270	209	iveregaima M	1/5	30	98	08.07.20	1	Т	U	U	radio Simbu	Ruau