

ROTARIANS AGAINST MALARIA



LONG LASTING INSECTICIDAL NET DISTRIBUTION REPORT

MADANG PROVINCE

Middle Ramu, Usinabundi and Sumkar

Carried Out in Partnership with National Malaria Control Program,
Madang Public Health Authority, PNGDF, ADF and Church Health
Services

With Support from The Global Fund

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Executive Summary



Picture 1 -PNGDF-ADF-PHA-RAM Partnership & planning meeting

Madang Province remains one of the most malaria-endemic regions in Papua New Guinea due to its tropical climate, extensive coastal wetlands, river systems, and lowland ecological conditions that favour year-round mosquito breeding and malaria transmission. The province comprises six districts—Bogia, Madang, Middle Ramu, Rai Coast, Sumkar, and Usino Bundi—and includes highly diverse ecological environments ranging from coastal plains and floodplains to mountainous areas associated with the Bismarck Range exceeding 4,000 metres in elevation. However, most communities live within lowland and coastal areas where malaria transmission remains highly conducive.

Malaria transmission in Madang Province is primarily driven by several highly efficient mosquito vectors, including *Anopheles farauti*, *Anopheles koliensis*, and *Anopheles punctulatus*. The province's high rainfall, humid tropical climate, extensive swamp systems, and coastal lagoons create ideal breeding habitats for these vector species. Transmission is particularly intense in low-altitude coastal and riverine areas where environmental conditions support continuous mosquito breeding throughout the year.

Despite substantial progress achieved through nationwide Long-Lasting Insecticidal Net (LLIN) distribution campaigns and improved malaria diagnosis and treatment programs implemented over successive grant cycles, malaria transmission persists across many parts of Madang Province. Longitudinal surveillance and national malaria reporting indicate that Papua New Guinea continues to carry an extremely high malaria burden, with hundreds of thousands of confirmed cases reported annually in recent years, reflecting ongoing intense transmission pressure across endemic provinces including Madang.

More recent entomological and epidemiological studies conducted between 2016 and 2022 confirm evidence of persistent and, in some locations, rebounding malaria transmission in several coastal Madang communities. Surveys in post-intervention periods reported *Plasmodium falciparum* prevalence ranging from approximately 19.1% to 28.3%, while *Plasmodium vivax* prevalence remained high at 18.3% to 23.4%. These findings demonstrate that despite earlier reductions associated with large-scale vector control interventions, malaria transmission has remained stable or resurged in several settings.

Investigations also identified significant outdoor and early evening mosquito biting behaviour, with more than half of vector biting occurring outdoors and before 10:00 pm, thereby reducing the protective effectiveness of LLINs and contributing to ongoing residual malaria transmission. This behavioural adaptation of vectors remains a key challenge for malaria elimination efforts in the province.

In this context, malaria prevention in Papua New Guinea—particularly in high-burden provinces such as Madang—is critically dependent on the sustained distribution and correct use of Long-Lasting Insecticidal Nets (LLINs). LLINs remain one of the most effective, low-cost, and scalable vector control interventions, providing both a physical barrier and an insecticidal effect that reduces human–mosquito contact and decreases vector survival. In Madang Province, where malaria transmission is perennial and vector densities remain high, LLINs play a central role in reducing malaria incidence, protecting vulnerable populations such as children under five and pregnant women, and lowering community-wide transmission intensity. High LLIN coverage contributes to community-wide protection by reducing mosquito longevity and interrupting transmission cycles across densely populated coastal and riverine settings. However, the overall effectiveness of LLINs depends strongly on consistent nightly use, timely replacement of worn nets, and sustained behavioural adherence, particularly in areas where early evening and outdoor biting remain common. As such, continuous LLIN distribution campaigns are essential not only for maintaining high ownership but also for ensuring equitable access to malaria prevention tools in remote and hard-to-reach populations, thereby supporting long-term malaria control and elimination objectives in Madang Province.

As part of vector control and malaria prevention mechanisms, Rotarians Against Malaria distributed LLINs across Papua New Guinea including Madang Province. Out of the six districts in Madang Province, Rotarians Against Malaria (RAM) successfully covered Bogia, Madang, and Rai Coast districts during the 2024 Long-Lasting Insecticidal Net (LLIN) distribution campaign, while the remaining three districts—Middle Ramu, Sumkar, and Usino Bundi—are being targeted under the 2024–2025 LLIN distribution cycle. Historically, Usino Bundi and Middle Ramu have been regarded among the most operationally challenging malaria distribution environments in Papua New Guinea due to rugged terrain, remoteness, poor transport connectivity, and difficult logistical conditions, comparable to Teleformin in West Sepik Province. These operational constraints continue to pose significant challenges for malaria prevention activities, including LLIN transportation, storage, and community-level distribution in hard-to-reach populations.

The districts covered under this LLIN distribution programme—Middle Ramu District, Sumkar District, and Usino Bundi District—remain particularly vulnerable to malaria transmission due to geography, climate, and limited accessibility. Middle Ramu District contains extensive river systems, floodplains, swamps, and tropical lowland environments that support continuous mosquito breeding throughout the year. Many communities are remote and difficult to access, limiting routine health service delivery, malaria surveillance, and LLIN replacement activities.

Sumkar District lies predominantly along the northern coastline where climatic conditions favour continuous malaria transmission. Coastal villages experience high humidity, substantial rainfall, and stable temperatures that support year-round mosquito breeding. Despite relatively high LLIN ownership, malaria transmission remains persistent due to outdoor biting behaviour and vector adaptation.

Usino Bundi District presents a more variable malaria profile because of its wide altitude range. Lower-altitude communities continue to experience endemic malaria transmission, while higher-altitude communities in Bundi record lower but still significant malaria prevalence. Studies conducted in Bundi demonstrated prevalence rates ranging from 2.5% to 8.5% in higher-altitude villages, while communities below 1,400 metres recorded substantially higher prevalence rates ranging from 8.6% to 24.7%.

Studies conducted throughout Madang Province indicate that LLIN ownership remains relatively high in many communities, ranging from 81% to 94%. However, malaria transmission persists due to residual outdoor transmission, inconsistent net usage, human behavioural factors, and operational challenges associated with replacing damaged or worn nets in remote communities.

For these reasons, Madang Province continues to remain a priority province for the National Malaria Control Programme, Rotarians Against Malaria, the Provincial Health Authority, and development partners supporting malaria prevention and control activities across Papua New Guinea.

As part of vector control and malaria prevention efforts, a household-level Long-Lasting Insecticidal Net (LLIN) survey and distribution programme was implemented across the Middle Ramu, Sumkar, and Usino Bundi districts between 2024 and 2025. The implementation of the programme faced significant logistical and operational challenges due to rugged terrain, geographically isolated communities, limited road infrastructure, and heavy dependence on air, river, and foot transportation. Extensive areas of Middle Ramu and remote parts of Usino Bundi remain inaccessible by road, requiring prolonged travel by river and on foot to reach target communities. Despite these constraints, the programme successfully delivered LLINs to households in some of the most difficult-to-access locations within the project area.

The programme successfully reached all targeted districts, with a total of 177,221 LLINs distributed to a total population of 349,999 people across 734 villages and 69,777 households surveyed. This included Middle Ramu District (271 villages, 21,089 households), Sumkar District (229 villages, 24,171 households), and Usino Bundi District (234 villages, 24,517 households). Overall, the programme achieved strong operational coverage across both densely populated and highly remote communities, ensuring equitable distribution of malaria prevention commodities throughout the province.

Table -1 – Distribution schedule in Madang Province

District	Population Surveyed	Households Surveyed	LLINs Distributed	Nets per 100 People
Middle Ramu	120,197	21,089	60,737	50.5
Sumkar	127,494	24,171	65,234	51.2
Usino Bundi	102,308	24,517	51,250	50.1
Total	349,999	69,777	177,221	50.6

An additional 712 LLINs were donated to health facilities for use within antenatal clinics and inpatient wards. These allocations primarily utilised small quantities of remaining stock following completion of village distributions.

The overall provincial operational cost of the programme was K654,703 (approximately US\$167,637), resulting in a delivery cost of approximately K3.03 (US\$0.84) per LLIN delivered. Despite challenging terrain and significant logistical constraints, the programme was completed at approximately 10% below the approved budget.

Cost savings were primarily achieved through reduced staffing and administrative expenditures. However, in Sumkar district transport-related costs were higher than anticipated due to increased fuel consumption, boat hire, and vehicle hire requirements in remote and hard-to-reach locations. Notwithstanding these challenges, substantial savings were realized through the valuable support and collaboration of the Papua New Guinea Defence Force (PNGDF) and the Australian Defence Force (ADF), whose assistance significantly reduced transportation and operational expenses while enhancing programme efficiency and reach.



Pictures 2 & 3 - Planning meeting for fly offs and helicopters loaded with LLIN to remote villages

Through collaboration with the Papua New Guinea Defence Force (PNGDF) and the Australian Defence Force (ADF), free air support was provided to transport LLINs from Madang Air Base to 13 hard-to-reach Government Health Centres & distribution locations. This support enabled Rotarians Against Malaria (RAM) to avoid significant chartering costs associated with commercial helicopter services. Based on standard operational estimates, the use of hired helicopters would have cost approximately PGK 1.5 million for the required transport operations. The in-kind support provided by PNGDF and ADF, including aircraft access and fuel assistance, therefore resulted in substantial cost savings while ensuring timely delivery of nets to remote and logistically challenging communities. This collaboration was critical in enabling coverage of some of the most inaccessible areas in Madang Province.

Overall, the programme was successfully implemented through strong collaboration between Rotarians Against Malaria, the Provincial Health Authority, National Malaria Control Program, district health teams, local communities, and the Papua New Guinea Defence Forces and Australian Defence Forces. Community and stakeholder feedback demonstrated strong support for the household survey and distribution methodology, with many stakeholders appreciating the transparency and accountability of the process.

All LLINs distributed under the programme were procured and funded through support from the Global Fund.

Background

Rotarians Against Malaria (RAM) is a nationally based organisation established in 1997 by the Port Moresby Rotary Club in recognition of the substantial burden that malaria places on the people of Papua New Guinea (PNG).

RAM has a long-standing mandate to support malaria prevention and control activities throughout PNG, particularly through the distribution of Long-Lasting Insecticidal Nets (LLINs). RAM works in close partnership with the National Department of Health, the National Malaria Control Program (NMCP), Provincial Health Authorities (PHAs), and a broad range of development partners including UNICEF, World Health Organization (WHO), non-governmental organisations (NGOs), and church health service providers.

Since 2010, RAM has coordinated nationwide LLIN distribution using a rolling three-year implementation cycle designed to ensure that targeted villages throughout PNG are revisited every three years for household LLIN replacement. Under this strategy, LLIN distribution activities are prioritised according to malaria transmission risk, population vulnerability, altitude, and operational feasibility.

The financing of LLIN procurement and distribution in PNG has evolved significantly over time. Since 2009, the Global Fund has been the primary funding partner supporting both LLIN procurement and operational distribution costs throughout PNG. Between 2017 and 2020, the Against Malaria Foundation (AMF) supplied the majority of LLINs distributed nationally, particularly targeting areas below 1,600 metres altitude where malaria transmission is most intense. During this period, Global Fund resources were primarily used to support LLIN distribution operations and programme administration.

In 2020, additional LLINs were provided through a donation from the Government of China for areas between 1,600 and 2,000 metres altitude. However, since 2021, AMF support to PNG has ceased and the Global Fund has resumed responsibility for both LLIN procurement and operational financing. Funding limitations have subsequently reduced the capacity to maintain household LLIN distribution in some higher-altitude areas above 1,600 metres.

PNG malaria control strategies now apply a risk-based epidemiological stratification approach. Areas above 2,000 metres are no longer routinely targeted for LLIN distribution because malaria transmission is considered unlikely due to lower temperatures. Areas below 1,200 metres, including most of Madang Province, remain priority zones for full household LLIN distribution because of stable malaria endemicity and limited access to health services. Transitional altitude areas between 1,200 and 1,600 metres continue to receive LLIN distributions wherever operationally feasible due to periodic epidemic risk and low community immunity.

Household-level LLIN distribution remains the preferred national strategy throughout PNG. However, implementation approaches may vary according to terrain, accessibility, security, and funding availability. RAM's operational approach prioritises programme quality, transparency, and accountability to ensure that all targeted households receive LLINs and that distributions can be accurately verified and reported.

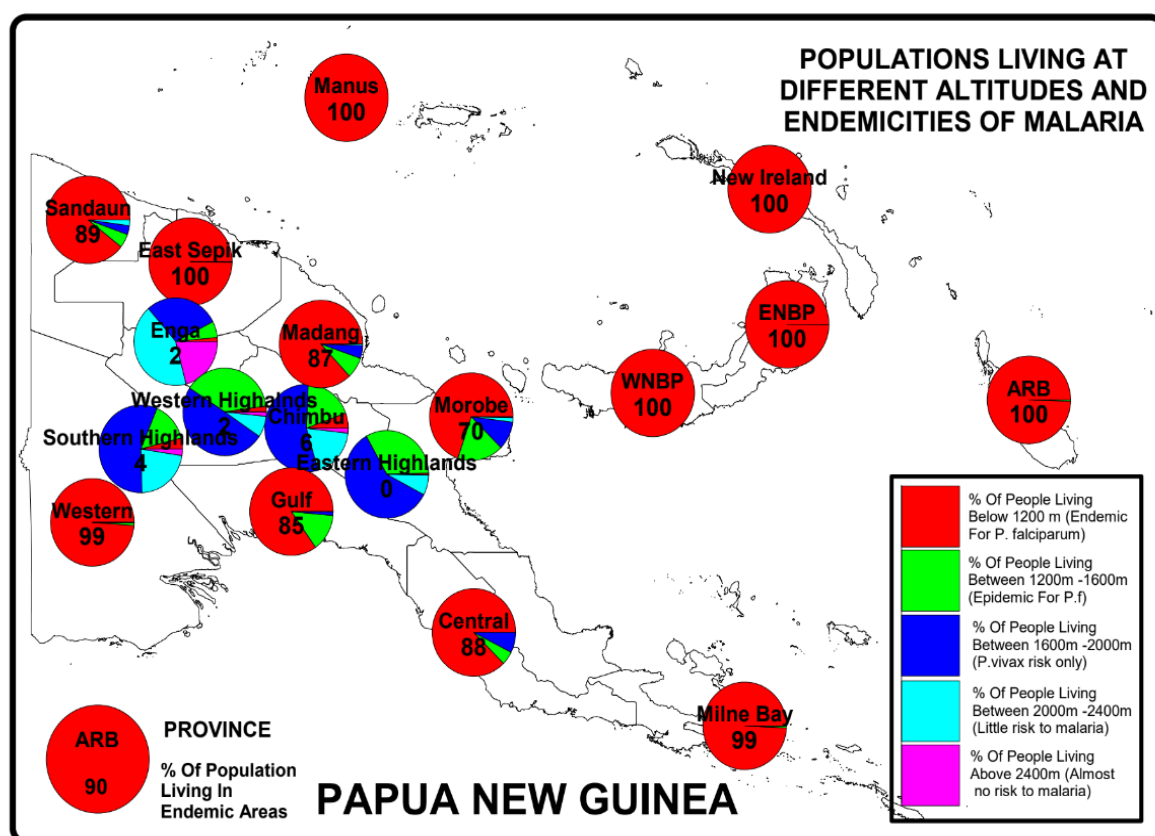
One of the major improvements introduced into the PNG LLIN programme since 2017 involved strengthening household survey methodologies and verification systems. Instead of relying solely on village meetings to verify household registration, survey summaries are now publicly displayed within communities for community verification prior to distribution. In

addition, RAM teams and local health staff conduct random verification checks on a proportion of surveyed households to ensure survey accuracy and accountability.

Another significant improvement to the LLIN programme has been the transition from population-based allocation to household needs-based allocation. Earlier LLIN campaigns distributed nets using a fixed ratio based on total population numbers, which often resulted in net shortages before programme completion. Under the current RAM methodology, household demographic information is collected during the survey phase and LLIN allocations are calculated according to family sleeping arrangements and household needs. This approach improves equity, reduces distribution shortfalls, and helps ensure that all households within targeted communities receive adequate LLIN coverage.

The present programme focuses on three districts within Madang Province: Middle Ramu District, Sumkar District, and Usino Bundi District. These districts remain priority malaria transmission areas due to favourable ecological conditions, extensive lowland environments, and significant operational challenges associated with transport and health service access. The remaining three districts, Madang, Raicoast and Bogia have already been covered under early 2024 distribution cycle.

Epidemiological Stratification of Madang Province



Graph 1 - Epidemiological map of PNG

Madang Province is broadly stratified according to altitude, malaria transmission intensity, ecological conditions, and access to health services. This epidemiological stratification framework guides the prioritisation and implementation of Long-Lasting Insecticidal Net (LLIN) distribution activities throughout the province and ensures that available resources are directed toward populations at highest risk of malaria transmission.

a) Areas above 2,000 metres

Areas above 2,000 metres altitude are generally excluded from routine LLIN distribution activities because environmental conditions at these elevations are considered unsuitable for sustained malaria transmission. Lower temperatures significantly reduce mosquito survival and parasite development, making malaria transmission unlikely except during unusual climatic events. Within Madang Province, only isolated high-altitude communities in parts of Usino Bundi District approach or exceed this elevation threshold. Consequently, this epidemiological category has relatively limited operational significance within the province compared to the Highlands Region of PNG.

b) Lowland areas (0–1,200 metres)

Lowland areas below 1,200 metres represent the highest malaria transmission zones within Madang Province. These areas experience stable and often intense malaria transmission due to favourable environmental conditions including high rainfall, extensive river systems, swamps, coastal plains, and consistently warm temperatures that support year-round mosquito breeding. The majority of populations in Middle Ramu District and Sumkar District live within this ecological zone. Middle Ramu District contains extensive floodplains, swamps, and riverine systems which create highly favourable breeding habitats for malaria vectors throughout the year. Similarly, Sumkar District lies predominantly along the northern coastline where coastal environmental conditions support continuous malaria transmission.

These districts remain among the highest priority areas for LLIN distribution and malaria prevention activities. During the 2024–2025 LLIN programme, a total of 60,737 LLINs were distributed to 120,197 people in Middle Ramu District, while 65,234 LLINs were distributed to 127,494 people in Sumkar District. Distribution coverage in both districts achieved approximately 50 nets per 100 people surveyed, consistent with national household allocation guidelines.

c) Intermediate transmission zones (1,200–1,600 metres)

Areas between 1,200 and 1,600 metres are characterised by lower but variable malaria transmission. These transitional zones are vulnerable to periodic outbreaks due to fluctuating environmental conditions, changing rainfall patterns, and low levels of population immunity. Within Madang Province, this ecological category is most relevant to parts of Usino Bundi District, particularly foothill and inland communities where malaria transmission intensity varies according to altitude and local climatic conditions. Villages below approximately 1,400 metres continue to experience moderate malaria prevalence, while higher-altitude communities generally experience lower transmission rates. Despite lower endemicity compared to coastal areas, LLIN distribution remains an important preventive intervention in these communities. During the 2024–2025 programme, 51,250 LLINs were distributed to a surveyed population of 102,308 people across Usino Bundi District, achieving a distribution ratio of approximately 50.1 nets per 100 people.

d) Highland transitional zones (1,600–2,000 metres)

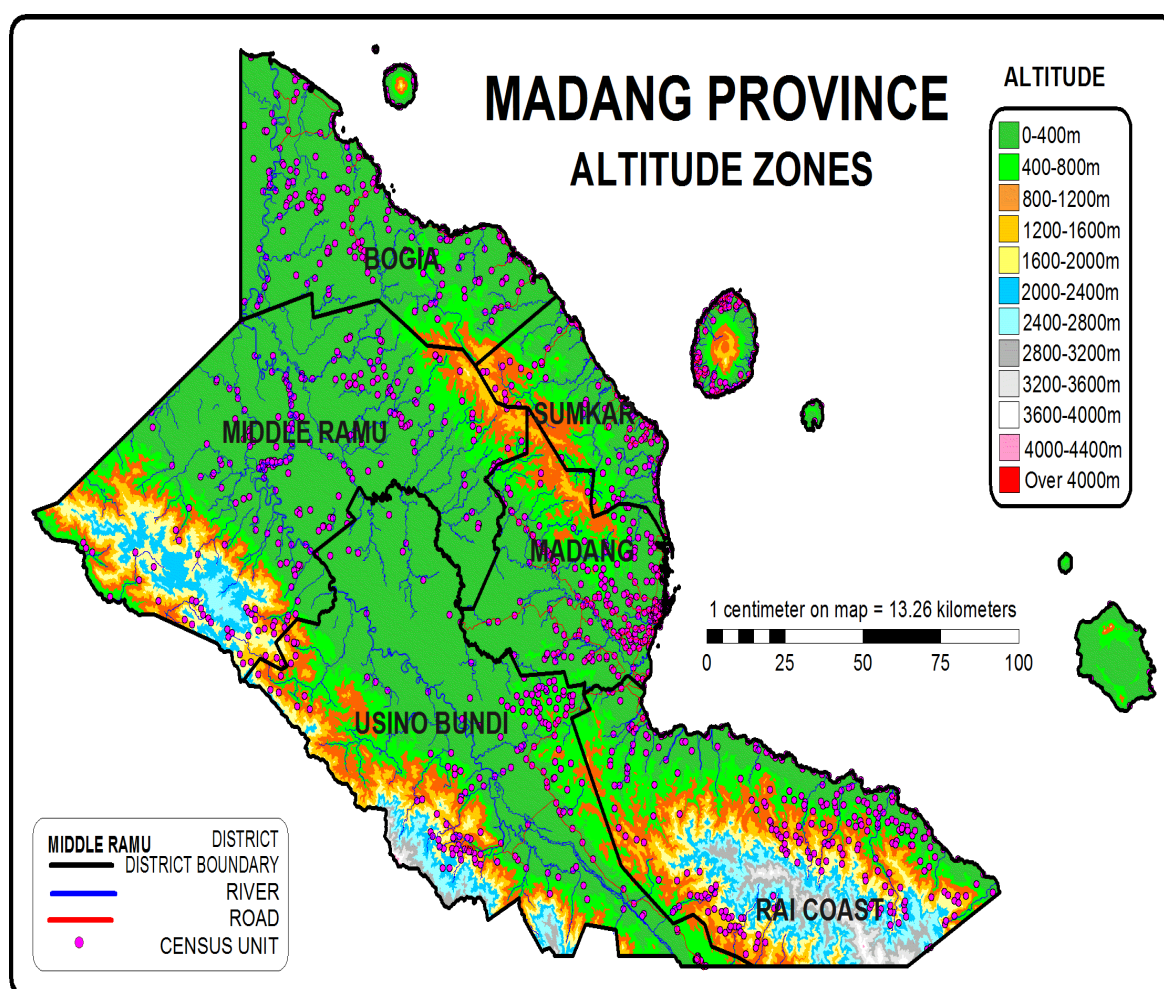
Areas between 1,600 and 2,000 metres are considered low endemicity transitional zones where malaria transmission is generally sporadic and strongly influenced by climatic variability and human population movement between lowland and highland communities. Historically, these areas continued to receive LLIN coverage through supplementary funding arrangements, including support from the Against Malaria Foundation and donations from the Government of China. However, funding constraints since 2021 have reduced the capacity to maintain full household LLIN distribution in many higher-altitude communities throughout PNG. Within Madang Province, portions of upper Usino Bundi District fall within this stratification category. Although malaria transmission is lower than in coastal districts, periodic outbreaks and

imported infections continue to occur, particularly among populations travelling between lowland and upland communities. Continued malaria surveillance and targeted interventions therefore remain important in these areas.

e) Urban and peri-urban areas

Urban and peri-urban areas generally have improved access to health services, transport infrastructure, and commercial supply chains compared to remote rural communities. During periods of funding constraint, these settings may receive lower priority for mass LLIN distribution campaigns under the assumption that households can access LLINs through routine health services or private markets, these areas primarily from part of National Capital District of Port Moresby.

However, urban and peri-urban environments in Madang Province continue to experience malaria transmission due to rapid urbanisation, overcrowding, informal settlements, poor drainage, and inadequate environmental sanitation which support mosquito breeding. Although the present LLIN programme focused primarily on rural and remote districts, peri-urban communities within parts of Sumkar District continue to remain vulnerable to malaria transmission and require ongoing vector control interventions and surveillance activities. Overall, epidemiological stratification remains essential for guiding malaria control planning and LLIN distribution throughout Madang Province. The approach enables the National Malaria Control Program, Rotarians Against Malaria, and the Provincial Health Authority to prioritise high-transmission districts such as Middle Ramu and Sumkar while maintaining targeted interventions in transitional areas of Usino Bundi District where malaria risk remains significant.



Map 1 Showing altitude zone of Madang Province

The Challenge: Reaching Papua New Guinea's Most Remote Communities

The Middle Ramu and Usino Bundi districts are among the most geographically isolated and operationally challenging areas in Papua New Guinea. Characterised by rugged mountain ranges, extensive river systems, dispersed populations, and limited transport infrastructure, many communities can only be reached by helicopter, river transport, or several days of walking. These geographical barriers have historically constrained the delivery of essential health services and posed significant challenges to achieving equitable malaria prevention coverage. For Rotarians Against Malaria (RAM), ensuring that Long-Lasting Insecticidal Nets (LLINs) reached these remote communities required substantial logistical planning, resources, and specialised transport arrangements.

Escalating Costs and Operational Constraints

Historically, RAM relied on commercial helicopter charter services to transport LLINs, fuel, survey materials, and operational supplies to remote health facilities across Middle Ramu and Usino Bundi. However, increasing aviation fuel costs, limited aircraft availability, and rising charter rates made this approach increasingly difficult to sustain.

During the 2022 LLIN distribution campaign, helicopter charter costs increased from a budgeted PGK 258,000 to nearly PGK 800,000—an increase of more than 300 percent. In addition to the financial burden, operational timelines often extended from several weeks to three or four months due to aircraft scheduling constraints, adverse weather conditions, and limited charter availability. These challenges highlighted the need for a more sustainable, reliable, and cost-effective logistics solution capable of supporting equitable access to malaria prevention services in hard-to-reach communities.

High-Level Engagement with PNGDF Leadership

To address the ongoing challenges of delivering malaria prevention interventions to remote communities in the Middle Ramu and Usino Bundi districts, Rotarians Against Malaria (RAM) formally engaged the Papua New Guinea Defence Force (PNGDF) to explore the use of defence assets in support of the Long-Lasting Insecticidal Net (LLIN) distribution programme.

A high-level meeting was convened at PNGDF Headquarters, Murray Barracks, involving RAM representatives, the Honourable Minister for Defence, and the Commander of the Papua New Guinea Defence Force. The purpose of the engagement was to seek PNGDF support through the provision of aviation and logistical capabilities to overcome the significant geographical and operational barriers affecting access to some of the most remote communities in Madang Province.

During the discussions, RAM highlighted the escalating costs, limited service providers and operational challenges associated with commercial helicopter charters, as well as the critical need to ensure equitable access to malaria prevention interventions for populations living in hard-to-reach areas. The meeting provided an opportunity to demonstrate how defence aviation assets could be strategically utilised to support national public health priorities and strengthen the delivery of essential health services.

The engagement received strong support from PNGDF leadership and laid the foundation for a landmark partnership between RAM, PNGDF, and subsequently the Australian Defence Force (ADF). This collaboration would ultimately enable the successful delivery of LLINs and malaria prevention commodities to thousands of people living in some of Papua New Guinea's most geographically isolated communities, while establishing a new model for defence-supported health service delivery.



Picture – 4 Requesting support from Commander in Chief, PNGDF

A Strategic Partnership for Public Health

Recognising the limitations of conventional logistics models, RAM initiated discussions with the Papua New Guinea Defence Force (PNGDF) and the Australian Defence Force (ADF) to explore the use of defence aviation assets in support of malaria control operations.

Following extensive consultation, planning, and high-level engagement, a landmark partnership was established between RAM, PNGDF, ADF, the National Department of Health (NDOH), the National Malaria Control Programme (NMCP), and the Madang Provincial Health Authority (MPHA).

This collaboration represented a significant milestone in Papua New Guinea's public health sector, demonstrating how defence capabilities can be effectively integrated into national health programmes to overcome geographical and logistical barriers.

Transforming Access Through Defence Aviation

The deployment of PNGDF and ADF aviation assets, supported by PNGDF personnel on the ground, fundamentally transformed the operational reach of the LLIN distribution programme in Middle Ramu and Usino Bundi districts. Defence helicopters provided safe, reliable, and timely access to remote communities, enabling the rapid transportation of LLINs, malaria commodities, and operational teams to locations where commercial aviation services were either unavailable, prohibitively expensive, or operationally impractical.

In addition to aviation support, PNGDF personnel played a critical role in ensuring the successful implementation of the operation. Their presence provided security for RAM staff, protected malaria commodities during transportation and distribution, and facilitated safe and orderly operations in remote and challenging environments. The involvement of PNGDF

personnel also strengthened community engagement and operational coordination, enabling distribution teams to work effectively across isolated locations.

Beyond transportation and security, the partnership enhanced mission planning, communications, logistical coordination, aviation safety, and risk management. The integration of defence capabilities with public health operations significantly improved operational efficiency, reduced implementation delays, and ensured the timely delivery of life-saving malaria prevention interventions to some of Papua New Guinea's most hard-to-reach populations. The operation demonstrated the strategic value of defence assets in supporting public health programmes, highlighting how aviation capability, logistical expertise, and security support can be effectively leveraged to strengthen health service delivery in remote and underserved areas of Papua New Guinea.



Picture 5 - Operational planning with PNGDF-ADF - RAM

Delivering Results: Operational Efficiency and Cost Savings

The partnership delivered one of the most significant operational efficiency gains in RAM's history. By leveraging PNGDF and ADF aviation assets, the programme significantly reduced reliance on commercial helicopter charters and accelerated implementation timelines.

Key achievements included:

- Reduction in implementation timelines from 3–4 months to 20 days.
- Delivery of approximately 60 metric tonnes of LLINs and malaria commodities.
- Transportation of 1,374 bales of LLINs to remote communities.
- Delivery of approximately 68,000 LLINs across Middle Ramu and Usino Bundi.
- More than PGK 1.5 million in operational savings compared with projected commercial aviation costs.
- Transporting 13 RAM staff, 13 PNGDF Personals and four support staff to remote locations

Importantly, these savings were reinvested into the programme through the procurement of additional LLINs, increasing coverage and improving protection for vulnerable populations.



Picture 6 & 7 -Nets delivered through helicopters and further being transported to remote villages inside Middle Ramu

A Model for Future Health Service Delivery

The significance of this partnership extends well beyond malaria control. It provides a practical and scalable model for addressing one of Papua New Guinea's most persistent health system challenges—delivering services to remote and hard-to-reach populations.

The successful integration of defence aviation assets into a public health programme demonstrates how PNGDF and ADF capabilities can support future:

- Immunisation and vaccine delivery campaigns.
- Outbreak preparedness and emergency response operations.
- Distribution of essential medicines and medical supplies.
- Maternal and child health outreach programmes.
- Emergency medical evacuations and disaster response missions.
- National disease control and elimination programmes.

National Significance and Health System Impact

This initiative represents a landmark achievement in civil-military cooperation and public health logistics in Papua New Guinea. It demonstrates that strategic partnerships between the health and defence sectors can overcome longstanding geographical barriers while improving efficiency, equity, and service delivery outcomes.

The operation established a proven framework for defence-supported health logistics that can be adapted and scaled across the country. By leveraging national assets to support health priorities, Papua New Guinea can strengthen health system resilience, improve emergency preparedness, and expand access to essential healthcare services for remote populations.

The success of the RAM–PNGDF–ADF partnership provides a powerful example of how innovation, collaboration, and shared commitment can transform health service delivery and contribute to improved health outcomes nationwide.



Picture 7 & 8 - ADF chopper dropping bales in Wanuma and PNGDF officer

Schedule of LLIN Activities – Madang Province

Population estimates for 2024 were generated for each village using a dual-method approach. The first utilised 2000 Census baseline projections adjusted for annual provincial growth trends. The second applied updated RAM 2021–2023 LLIN survey datasets with village-level growth adjustments. This combined methodology, validated through health staff consultation, provided a robust planning framework for estimating LLIN requirements across Madang Province, accounting for population distribution across Middle Ramu, Sumkar, and Usino Bundi districts, including rapid movement along river systems, coastal settlements, and inland mountainous communities.

Table 2 – Survey & distributions in Middle Ramu, Sumkar and Usinobundi

District	Estimated Population	Survey Start	Survey Finish	Distribution Start	Distribution Finish
Middle Ramu	124,299	02.11.24	16.04.25	01.12.24	21.04.25
Sumkar	137,944	17.11.24	16.02.25	09.12.24	12.03.25
Usino Bundi	103,137	04.11.24	02.12.24	01.12.24	07.03.25

Referring to Table Two, the Long-Lasting Insecticidal Net (LLIN) family-level census and distribution activities in Madang Province were implemented in a phased and geographically stratified manner between 2 November 2024 and 21 April 2025, with mop-up and follow-up activities continuing into early 2025 to ensure complete household coverage across all targeted districts.

The implementation was carefully sequenced according to geographic access constraints, health facility catchment areas, and operational feasibility across Middle Ramu, Usino Bundi, and Sumkar districts. Initial distribution activities in Middle Ramu and Usino Bundi, covering 13 health facility catchment areas, were substantially completed by December 2024, reflecting strong early progress despite significant logistical challenges associated with riverine access, mountainous terrain, and limited transport infrastructure. However, remaining activities, including those in the Wanuma Health Facility catchment area, were completed in early 2025 due to delayed access caused by logistical constraints and difficult terrain.



Pictures 9 & 10 - LLIN distributions in Kwanga, remote village in Middle Ramu, Madang

In Sumkar District, the LLIN census commenced on 17 November 2024, with distribution activities progressing steadily until a planned operational break over the late December 2024 to early January 2025 period. Following the resumption of field operations, implementation continued across remaining villages and was completed by the second week of March 2025,

followed by targeted mop-up activities to address outstanding households and ensure full coverage.

The implementation strategy was developed through close coordination between Rotarians Against Malaria (RAM), the Madang Provincial Health Authority (MPHA), LLIN operations teams, the Papua New Guinea Defence Force (PNGDF) coordination structures, the PNGDF Public Health Department, and the Australian Defence Force (ADF). This integrated operational approach was essential given the highly fragmented geography of Madang Province and the complexity of delivering commodities across riverine, coastal, and inland highland environments. Overall, the phased and coordinated implementation model ensured that all targeted health facility catchments were reached within the operational window, and that final mop-up activities successfully closed remaining coverage gaps. Despite significant logistical and environmental challenges, the approach enabled complete household-level coverage across all three districts, demonstrating the effectiveness of integrated planning and multi-agency coordination in delivering health services in some of the most remote areas of Papua New Guinea.

Methodology – Micro Planning and Survey (Madang Province)

Prior to implementation, a comprehensive master village list covering all settlements across Madang Province was developed using baseline data from the 2000 National Census, updated RAM LLIN survey datasets (2021–2023 cycles), and validation inputs from the Madang Provincial Health Authority (MPHA). This process was undertaken in close coordination with MPHA and aligned with National Malaria Control Program (NMCP) stratification and operational guidelines



Picture 11 & 12 - Micro planning in Josephsthal and Health Center Catchment in Gusap Health Center

Health Facility-Level Micro-Planning for LLIN Implementation

Health facility-level micro-planning formed the foundation of the LLIN implementation strategy across Middle Ramu, Usino Bundi, and Sumkar districts. This process was undertaken through close collaboration between RAM officers, District Health Teams (DHTs), health facility staff, and community representatives to ensure that all operational activities were grounded in local geographic and demographic realities.

The micro-planning process began with the development of detailed catchment area maps for each participating health facility. These maps identified all villages and communities under each facility's jurisdiction and documented key operational parameters required for implementation. This included estimated population figures for each village, settlement distribution patterns, and a comprehensive assessment of access routes, including road networks, river and boat access, air access points, and trekking pathways. This information was particularly critical in Madang Province, where access varies significantly between riverine (Middle Ramu), mountainous inland (Usino Bundi), and coastal (Sumkar) environments.

Based on these assessments, detailed implementation plans were developed well in advance of field activities. These plans defined the number of household survey and distribution teams required, village and catchment allocations for each team, identification of suitable distribution points, and the planning of safe storage and staging locations for LLIN commodities at the health facility level. In addition, transport modalities—including air, river, marine, and land-based movement—were mapped and sequenced according to accessibility and seasonal conditions. The micro-planning process directly informed workforce mobilisation and training. The required number of community volunteers was determined based on village workload, population size, and geographic dispersion. Volunteers were then recruited, assigned to specific villages and catchment areas, and provided with structured training prior to deployment. Training covered household census procedures, LLIN distribution protocols, data recording standards, and field coordination requirements, ensuring consistency in implementation across all districts.

A key feature of the micro-planning process was its role in ensuring full inclusion of all villages listed in the master implementation database. By systematically mapping every catchment area and validating access routes and population estimates, the process significantly reduced the risk of omissions, particularly in remote and hard-to-reach settlements.

This structured planning approach was complemented by a community-wide social mobilisation campaign conducted prior to field implementation. Coordinated through District Health Services outreach mechanisms, this engagement informed communities of upcoming household census and distribution activities, strengthened trust and participation, and improved community readiness. It also familiarised field teams with local terrain, access routes, and community leadership structures, while reinforcing key malaria prevention messages, particularly the correct and consistent use of Long-Lasting Insecticidal Nets (LLINs).

Throughout implementation, RAM officers ensured that all activities remained within approved operational budgets and were conducted in accordance with LLIN Standard Operating Procedures (SOPs) and National Malaria Control Programme (NMCP) guidelines. Continuous oversight and technical guidance from the Madang Provincial Health Authority (MPHA) ensured both financial accountability and technical compliance across all districts.

Overall, the health facility-level micro-planning process provided a high degree of operational clarity and coordination across all implementation areas. It enabled evidence-based workforce deployment, efficient logistics planning, and context-specific adaptation of delivery strategies, ultimately ensuring that household survey and LLIN distribution activities were systematically executed across all health facility catchments in Madang Province.

Survey Verification & Quality Assurance (Madang Province)

The household (HH) survey, verification, and LLIN distribution activities in Madang Province were implemented across Middle Ramu, Sumkar, and Usino Bundi districts using a structured, transparent, and community-centred approach aligned with NMCP standards and coordinated through the Provincial Health Authority framework. Upon arrival in each village, field teams conducted community meetings with ward councillors, village leaders, and community members to ensure strong community acceptance of LLIN survey and distribution process across diverse settings, including riverine settlements in Middle Ramu, coastal communities in Sumkar, and mountainous and inland communities in Usino Bundi.

Existing census and RAM survey datasets were used as baseline reference materials; however, all records were subjected to full door-to-door survey to ensure accuracy, particularly in highly mobile riverine populations in Middle Ramu, dispersed inland settlements in Usino Bundi, and coastal populations in Sumkar. Survey implementation was adapted according to settlement size, with small settlements (<30 households) undergoing full enumeration by RAM and health teams, while larger settlements (>30 households) were supported by trained community volunteers working under the supervision of District Health Teams and RAM officers.

Standardised household data were collected across all districts, including household composition, residency status, sleeping arrangements, and communication access, ensuring consistency despite significant geographical and logistical variation. To enhance transparency and accountability, completed household lists were publicly displayed in each community for at least 24 hours, allowing for community review, correction, and validation prior to final endorsement.

Community volunteers were trained and remunerated at PGK 20 per day and played a critical role in supporting household enumeration and delivering malaria health education, including correct LLIN use and maintenance practices.

A consolidated provincial master household list was subsequently developed in collaboration with District Health Teams and health facilities across Middle Ramu, Sumkar, and Usino Bundi, forming the basis for accurate LLIN quantification and distribution planning. LLIN allocation was determined based on household composition and sleeping arrangements rather than fixed population ratios, ensuring equitable and needs-based distribution across diverse household structures throughout the province.

LLIN Household Distribution Process



Picture 13 & 14 - People are waiting with white receipts to receive nets, Josephsthall, & trained village volunteers in Aiome, Middle Ramu district, a fly off area

A structured social mobilisation and pre-distribution awareness campaign was implemented across Middle Ramu, Sumkar, and Usino Bundi districts through close collaboration with District Health Services, church networks, ward leaders, and community representatives. Communities were informed in advance about distribution schedules, eligibility requirements, and documentation procedures to ensure preparedness prior to field team deployment. This process was particularly important in the remote inland areas of Middle Ramu and Usino Bundi, where significant access constraints required households and communities to be mobilised well ahead of operational activities.

LLIN distribution activities were conducted at health facility, ward, or village level depending on local accessibility and operational feasibility. In Middle Ramu and Usino Bundi, decentralised village-level distribution approaches were necessary due to extreme remoteness, multiple river crossings, mountainous terrain, and the absence of reliable road infrastructure. In contrast, distribution activities in Sumkar District were primarily implemented through coastal health facilities and accessible village hubs using a combination of land and marine access strategies. In high-complexity operational areas, particularly during coordinated air and field operations, PNGDF personnel provided logistical and field safety support to facilitate safe and timely implementation.

To strengthen accountability and traceability, all LLINs were labelled using province-specific coding systems across all three districts MAD - 2025. Beneficiary verification processes were conducted using household survey serial numbers and signed distribution records to ensure strict

alignment between verified household data and LLIN distribution outputs. Magnet a polyethylene LLIN were distributed in Madang Province.

In particularly hard-to-reach areas of Middle Ramu and Usino Bundi, a combined survey-and-distribution approach was adopted wherever necessary. This included the pre-positioning of LLINs at strategic operational points, rapid household verification upon team arrival, and immediate distribution following eligibility confirmation. This adaptive operational approach was critical in areas where terrain constraints, security considerations, weather conditions, and limited transport availability restricted the possibility of repeat visits.

The overall LLIN supply chain was coordinated jointly by Madang Provincial Health Authority (MPHA) and Rotarians Against Malaria (RAM), ensuring the movement of LLINs from national storage points to Provincial Health facilities and onward to community-level distribution sites across Middle Ramu, Sumkar, and Usino Bundi districts. In the case of Usino Bundi and Middle Ramu, LLINs were transported from the Provincial Health Authority storage yard to Madang Airport and subsequently airlifted to 13 health facility locations across the two districts.

Overall, the LLIN survey and distribution process in Madang Province was implemented through a structured, transparent, and operationally adaptive system designed to address highly challenging field conditions. Strong coordination between RAM, MPHA, PNGDF & ADF support structures, District Health Services, and local communities ensured adherence to national malaria control standards while adapting implementation approaches to some of the most difficult operational environments in Papua New Guinea. The combination of rigorous household verification, flexible logistics planning, decentralised distribution strategies, and strong community engagement enabled equitable LLIN coverage across riverine, coastal, and mountainous populations throughout Madang Province.

Results and analysis of LLIN distributions- Population Structure and Distribution Context – Madang Province

The 2024–2025 Long-Lasting Insecticidal Net (LLIN) distribution in Madang Province achieved a total delivery of 177,221 LLINs to a population of 349,999 people, resulting in an overall coverage ratio of 50.6 nets per 100 population. Population distribution across three districts of Madang Province is highly dispersed and strongly influenced by geography, livelihood systems, and mobility patterns.

- Middle Ramu: ~120,197 people (river basin settlements along major waterways)
- Sumkar: ~127,494 people (coastal settlements and fishing-based livelihoods)
- Usino Bundi: ~102,308 people (inland and fringe highland communities with scattered habitation patterns)

Key structural characteristics include:

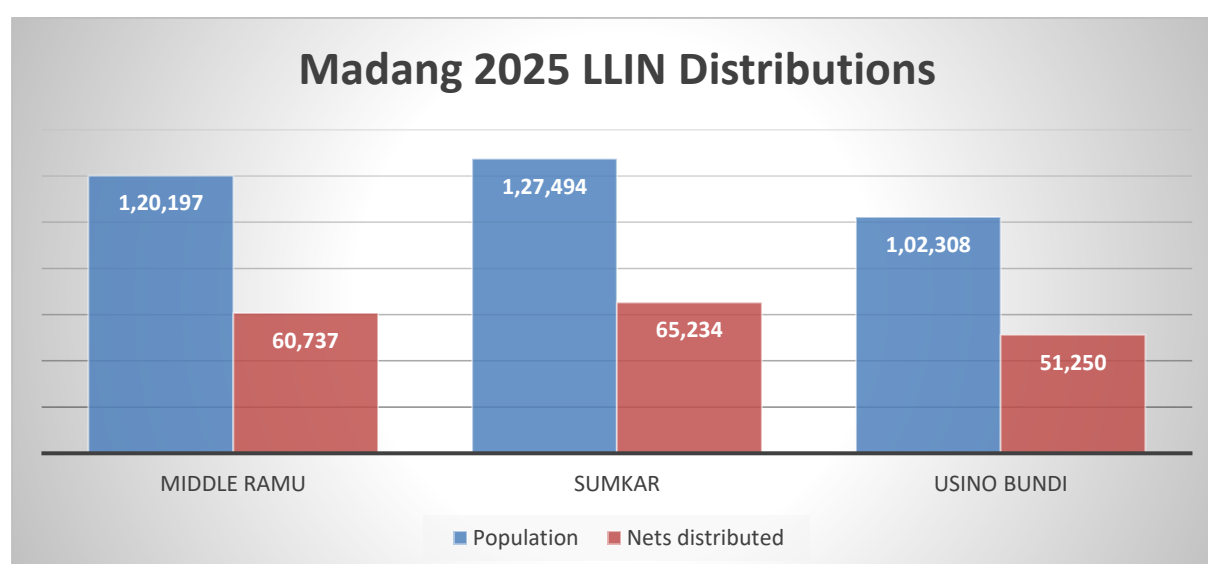
- Average household size: ~5 persons per household
- Total households surveyed: 69,777
- Total population reached: 349,999

This highly fragmented population structure required micro-level planning, flexible staging, and adaptive transport scheduling, directly influencing LLIN allocation and last-mile distribution strategies.

TABLE 3 – Nets Distributed at District Level in Madang Province

District	Population from 2000 Census	Estimated Population in 2024–2025	Population Surveyed 2024–2025	Households Surveyed 2024–2025	Nets distributed 2024–2025	Growth Rate Against 2021 Survey	Nets Distributed per 100 People
Middle Ramu	57,879	124,299	120,197	21,089	60,737	2.74	50.5
Sumkar	67,052	137,944	127,494	24,171	65,234	1.21	51.2
Usino Bundi	40,079	103,137	102,308	24,517	51,250	3.62	50.1
Totals	165,010	365,380	349,999	69,777	177,221	2.42	50.6

Table Three & four presents the estimated population to be covered by the programme alongside the actual population enumerated and the number of LLINs distributed across the three implementation districts in Madang Province, namely Middle Ramu, Sumkar, and Usino Bundi and seven LLGs.

*Graph 1 - Madang LLIN distributions in three districts*

In total, 177,221 LLINs were distributed to a surveyed population of 349,999 people, resulting in an overall distribution ratio of approximately 50.6 nets per 100 people. This reflects strong alignment with National Malaria Control Program (NMCP) household protection benchmarks and confirms that the programme achieved near-universal coverage across all targeted districts despite the exceptionally challenging geography of Madang Province.

Table – 4 LLIN distribution summary in LLGs in Madang

LLG	District	Estimated Population in 2024–2025	Population Surveyed in 2024–2025	House Holds Surveyed 2024–2025	Nets distributed 2024–2025	Growth Rate Against 2021 Survey	Nets Distributed Per 100 People
Arbaka Rural	Middle Ramu	49,883	46,789	8,189	23,831	1.71	50.9
Josephstaal Rural	Middle Ramu	33,737	33,829	5,536	16,713	3.99	49.4

Simbai Rural	Middle Ramu	40,679	39,579	7,364	20,193	2.95	51.0
Karkar Rural	Sumkar	75,010	71,323	14,049	37,042	2.17	51.9
Sumgilbar Rural	Sumkar	62,934	56,171	10,122	28,192	0.04	50.2
Bundi	Usino Bundi	18,987	19,712	3,429	9,859	5.21	50.0
Usino	Usino Bundi	84,150	82,596	21,088	41,391	3.26	50.1
Totals		3,65,380	3,49,999	69,777	1,77,221	2.42	50.6

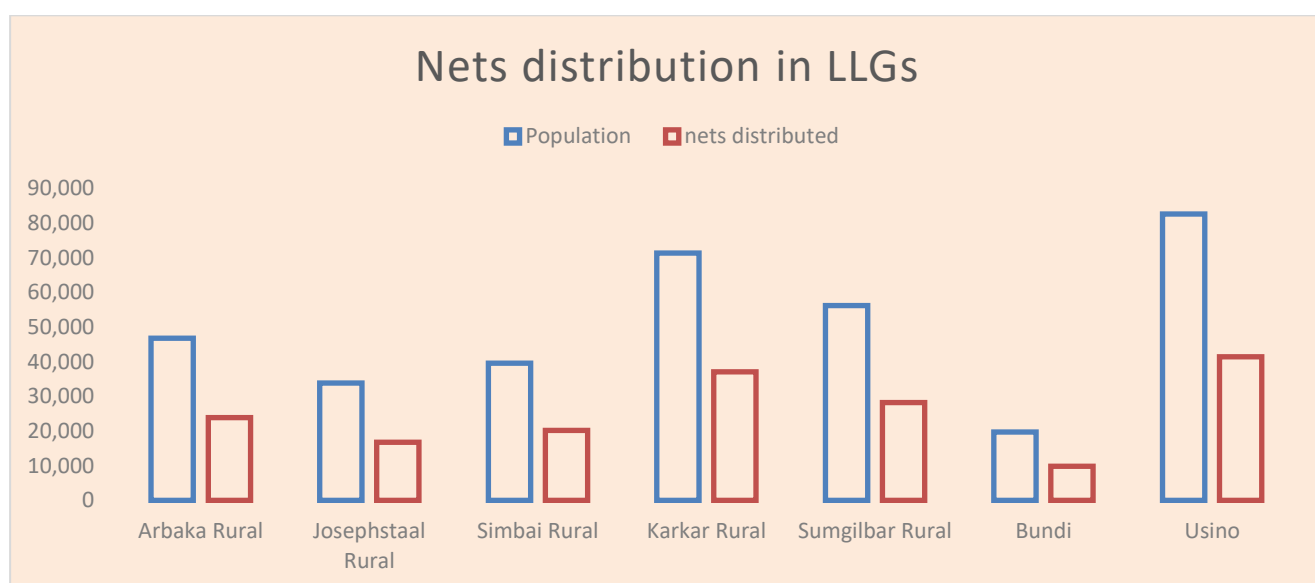


Figure 2 Graph 2 - LLIN distributed in LLGs

Overall Interpretation – Madang Province

The 2024–2025 LLIN distribution confirms that Madang Province remains one of the most operationally challenging environments for malaria control implementation in Papua New Guinea.

Despite these challenges, the programme achieved high coverage and operational success through:

- Risk-based planning
- Defence-supported logistics (ADF–PNGDF aviation support)
- Strong provincial coordination through MPHA
- Intensive field implementation by RAM and District Health Services

The success of LLIN delivery in Middle Ramu, Sumkar, and Usino Bundi demonstrates the effectiveness of integrated public health and defence logistics models in overcoming geographic barriers and ensuring equitable access to malaria prevention tools in some of Papua New Guinea's most remote communities.

Nets Donated in Madang Province

Table – 5 Nets donated in Madang

District	LLG	HC	Donated
Middle Ramu	Arabaka Rural	Annaberg HC	51
Middle Ramu	Arabaka Rural	Kwanga HC	361

Middle Ramu	Simbai Rural	Dusim AS	29
Middle Ramu	Simbai Rural	Mamusi AS	28
Sumkar	Karkar Rural	Bagabag HC	19
Sumkar	Karkar Rural	Miak HC	45
Sumkar	Karkar Rural	Mapor HC	48
Sumkar	Karkar Rural	Gaubin Hosp	50
Sumkar	Sumgilbar Rural	Mugil HC	15
Usino Bundi	Usino Rural	Sausi HC	35
Usino Bundi	Usino Rural	Kombaku AS	31
TOTAL			712

At the conclusion of the 2024 - 2025 LLIN distribution programme in Madang Province, a total of 712 LLINs (Table 5) remained as residual stock and were subsequently donated to selected health facilities across the districts of Middle Ramu, Sumkar, and Usino Bundi. These distributions, detailed in Table Five, were undertaken in coordination with the Madang Provincial Health Authority and district health teams to ensure appropriate utilisation within the public health system.

Rather than incurring additional logistical costs, these nets were strategically donated to nearby health facilities where they can continue to contribute to malaria prevention activities. In practice, these LLINs are expected to support inpatient wards, maternity units (particularly antenatal mothers), outreach activities, and emergency stock requirements, thereby strengthening facility-level infection prevention measures.

Analysis of LLIN distribution cost in Madang

Table – 6 Budget vs actuals

Expense Types	Budget	Actual	Variance	% Variance
Training	17,670.00	21,570.00	-3,900.00	96.20
Human Resources	3,44,536.16	3,29,950.46	14,585.70	65.58
Fuel	38,998.00	63,978.86	-24,980.86	148.64
Vehicle Hire	1,53,600.00	1,87,766.58	-34,166.58	86.23
Boat Hire	29,100.00	20,932.73	8,167.27	0.00
Aircraft Hire	2,58,001.00	4,550.00	2,53,451.00	0.00
Stationary	3,000.00	4,087.73	-1,087.73	97.81
5% Contingency	42,245.26	K21,867.54	20,377.72	74.64
Totals				
PGK	K 8,87,150.41	K 6,54,703.90	K 2,32,446.51	73.80
USD	\$2,27,155.75	\$1,67,637.59	\$59,518.16	73.80

The financial summary for the 2024–2025 LLIN programme in Madang Province indicates that the total operational budget was PGK 887,150.41 (approximately USD 227,155.75), while actual expenditure reached PGK 654,703.90 (approximately USD 167,637.59). This represents a positive variance of PGK 232,446.51, equivalent to an overall expenditure rate of 73.8% against budget. The programme therefore achieved substantial cost savings while successfully implementing LLIN distribution activities across Middle Ramu, Sumkar, and Usino Bundi districts. These costs are Provincial distribution costs and does not include the cost of human resources of LLIN Project officers and their associated expenses.

A major contributing factor to these savings was the logistical support provided through the PNGDF–ADF partnership. The deployment of PNGDF and Australian Defence Force (ADF) aviation assets significantly reduced the programme's dependence on commercial helicopter charter services, particularly for remote and hard-to-access locations in Middle Ramu and Usino Bundi districts. With the support of PNGDF and ADF, RAM successfully transported 1,374 bales of LLINs and 12 boxes of malaria medicines, 13 RAM staff, 14 PNGDF Personals and 4 support staff to cover approximately 68,000 people living in remote communities across the two districts. The operation involved the airlifting of approximately 60 metric tonnes of cargo through coordinated field and aviation operations.

Based on prevailing commercial aviation rates, the use of Bell 212 helicopters for approximately 60 flying hours would have cost an estimated PGK 1.5 million. These costs were effectively avoided through the direct provision of aircraft and fuel support by PNGDF and ADF, representing one of the most significant logistical contributions made toward reaching remote and underserved populations in Madang Province. This collaboration enabled RAM and provincial health authorities to access highly isolated communities that would otherwise have remained operationally difficult and financially prohibitive to reach.

Although overall expenditure remained below budget, several budget categories recorded variances due to operational realities encountered during implementation. Fuel expenditure exceeded the allocated budget, with actual expenditure reaching PGK 63,978.86 against a budget allocation of PGK 38,998.00, due to increase in fuel prices. This increase reflected the high logistical demands associated with transporting LLINs across geographically challenging locations, particularly in Sumkar District, where extended road travel, river transport operations, and difficult terrain substantially increased fuel consumption.

Vehicle hire costs also exceeded budget estimates, with actual expenditure reaching PGK 187,766.58 against a budget allocation of PGK 153,600.00. This increase was primarily attributed to extended operational timelines, increased fuel cost, additional vehicle deployment requirements, and difficult access conditions encountered across Sumkar District.

Training expenditure recorded a modest increase above budget due to expanded engagement with health workers, community volunteers, and distribution teams to ensure compliance with National Malaria Control Programme operational standards, reporting requirements, and accountability procedures.

Conversely, several expenditure categories recorded significant savings. Human resources expenditure remained below budget, reflecting efficient utilisation of existing provincial and district health staff alongside community-based volunteers. Boat hire costs were lower than anticipated due to effective transport coordination and reduced reliance on water-based transport operations. Aircraft hire recorded the most substantial savings, with only minimal expenditure incurred because of direct logistical support provided through PNGDF–ADF operations.

Stationery and contingency expenditures also remained below budget, demonstrating controlled administrative spending and efficient operational management throughout implementation.

Overall, the financial performance of the Madang LLIN programme demonstrates strong budget management, operational efficiency, and adaptive logistics planning despite the extremely challenging geographic conditions encountered across the three implementation districts. The support provided through the PNGDF–ADF partnership was particularly significant in reducing operational costs and ensuring successful access to remote communities that would otherwise have required expensive commercial aviation support.

These outcomes further demonstrate the strategic value of inter-agency collaboration in strengthening malaria prevention activities while enabling cost-effective delivery of essential public health interventions to remote and underserved populations in Papua New Guinea.

Communication coverage in three districts 2025

Table 7 – Radio & mobile phone coverage

District	Villages	House Holds Surveyed	Digicel	Bmobile	Houses with Radios	Villages With Radio Networks	% of villages with Radio Network
Middle Ramu	271	21,089	257	0	7,352	71	26%
Sumkar	229	24,171	222	34	15,414	174	76%
Usino Bundi	234	24,517	218	36	10,277	214	91%
Total	734	69,777	697	70	33,043	459	63%

Table 7 shows the household communication and radio network assessment across Middle Ramu, Sumkar, and Usino Bundi districts highlights significant variations in telecommunications access and operational connectivity within LLIN implementation areas. A total of 734 villages and 69,777 households were surveyed across the three districts. Of these households, 33,043 reported access to radio communication devices, while 459 villages were identified as having some form of radio network coverage, representing an overall coverage rate of 63% across surveyed villages.

Usino Bundi District recorded the highest level of radio network coverage, with 214 out of 234 surveyed villages (91%) identified as having radio connectivity. The district also recorded the highest number of households surveyed (24,517) and the highest number of households with radios (10,277). Digicel mobile coverage was available in 218 villages, while Bmobile coverage remained limited at 36 villages. These findings indicate relatively stronger communication infrastructure despite the district's difficult mountainous terrain and limited accessibility.

Sumkar District also demonstrated relatively strong communication coverage, with 174 out of 229 villages (76%) having radio network access. A total of 24,171 households were surveyed, with 15,414 households reporting radio ownership, representing the highest level of household radio access among the three districts. Sumkar additionally recorded the highest Bmobile coverage, with 34 villages connected, alongside 122 villages with Digicel access. The district's coastal geography and comparatively better transport access may have contributed to improved telecommunications coverage and communication reliability.

In contrast, Middle Ramu District recorded the lowest level of communication access and network connectivity. Although 21,089 households across 271 villages were surveyed, only 71 villages (26%) had radio network coverage. While Digicel access was present in 257 villages, no

Bmobile coverage was recorded. Only 7,352 households reported ownership of radio devices, substantially lower than in Sumkar and Usino Bundi districts. These findings reflect the severe communication and infrastructure limitations associated with remote riverine settlements, dispersed populations, and difficult terrain within Middle Ramu District.

The communication assessment further demonstrates the critical importance of radio networks, mobile phone connectivity, and community-based communication systems in supporting malaria prevention and public health interventions across remote areas of Madang Province. Radio communication systems remain particularly important in isolated communities where internet and mobile connectivity are unreliable or absent. These platforms can be effectively utilised to disseminate key malaria awareness messages, including the importance of consistent LLIN usage, correct hanging and maintenance of mosquito nets, early health-seeking behaviour for malaria symptoms, environmental sanitation practices, and community participation in malaria prevention activities.

Mobile phone networks and community radio systems also provide important channels for coordinating field operations, supporting health facility communication, mobilising communities ahead of LLIN distribution campaigns, and rapidly sharing public health alerts and behaviour change communication messages. In highly remote districts such as Middle Ramu and Usino Bundi, strengthening communication infrastructure could substantially improve health education outreach, community engagement, and ongoing malaria surveillance activities. The findings therefore highlight the strategic value of integrating communication systems into future malaria control programming to strengthen awareness, improve LLIN utilisation, and enhance access to essential health information among hard-to-reach populations across the three districts.

Conclusion – LLIN Implementation in Madang Province

The 2024–2025 Long-Lasting Insecticidal Net (LLIN) survey, verification, and distribution exercise in Madang Province was successfully implemented across the districts of Middle Ramu, Sumkar, and Usino-Bundi. The programme achieved extensive geographical coverage across highly diverse and operationally challenging environments, ranging from coastal and island communities in Sumkar such as Bagabag Island and Karkar Island, to remote inland and riverine settlements in Middle Ramu including Josephstaal, Aiome, and Kwanga catchments, as well as hard-to-reach areas of Usino-Bundi including Walium. This achievement was made possible through strong coordination between the National Department of Health, the National Malaria Control Programme, Madang Provincial Health Authority, District Health Teams, Rotarians Against Malaria (RAM), PNGDF, ADF, health facilities, ward leaders, and community structures.

Throughout implementation, strong leadership and operational oversight from the Madang Provincial Health Authority was central in coordinating activities across geographically complex terrain. Their support was particularly critical in managing logistics through difficult corridors such as the Ramu River system, the Transgogol and Usino road networks, and coastal sea routes connecting Madang mainland to Karkar and Bagabag Islands. In several instances, access to inland villages around Josephstaal, Annaberg, and Sangapi required extended river crossings and multi-day trekking due to poor road infrastructure and seasonal flooding.

The PNGDF–ADF partnership was one of the most significant enablers of the programme, particularly in hard-to-reach locations such as Middle Ramu’s Aiome and Josephstaal hinterlands and Usino-Bundi’s catchments. Helicopter and security support allowed access to communities that would otherwise have been unreachable during peak rainy conditions. This collaboration

significantly reduced dependence on commercial helicopter services and contributed to estimated savings of approximately PGK 1.5 million, improving efficiency and value for money.

The programme successfully distributed 177,221 LLINs to a population of 349,999 people across 734 villages and 69,777 surveyed households, ensuring broad coverage across all districts.

However, despite this success, field implementation was affected by multiple operational challenges that varied across locations.

One of the most significant challenges was severe weather conditions. Continuous heavy rainfall caused flooding in low-lying areas such as the Ramu River basin and Usino valley, while landslides and road washouts disrupted access along routes between Walium, Sausi, and Brahman. In coastal and island areas such as Karkar Island, Bagabag Island, and parts of Sumkar mainland, rough seas and cyclonic conditions delayed boat transport and restricted movement of supplies and field teams.

Logistical constraints were also frequently experienced. Delays in net delivery to facilities such as Gaubin Rural Hospital, Mugil Health Centre, and Bunabun Health Centre impacted distribution timelines. Vehicle breakdowns were reported along the Transgogol corridor affecting operations in Yagaun, Utu, and surrounding catchments. Limited availability of reliable transport in remote areas such as Annaberg, Mamusi, and Josephstaal further complicated field deployment, while fuel shortages increased operational costs due to long travel distances between widely dispersed villages.

Communication challenges were particularly evident in remote inland areas such as Kwanga, Aiome, Sausi, and parts of Transgogol LLG, where mobile network coverage was weak or non-existent. This limited real-time coordination between RAM officers, volunteers, and district health staff. In several instances, officers had to physically travel between health centres and villages to relay instructions. These limitations also affected the use of Kobo Toolbox, particularly in areas such as Mapor, Miak, and Mugil, where offline data collection and later uploads created delays and data reconciliation challenges.

Human resource and community engagement challenges were also observed. In densely populated or highly mobile communities such as Madang Urban (Modilon catchment) and Joba Clinic area, issues such as “ghost names,” duplicated household entries, and population movement affected data accuracy. In rural areas such as Annaberg, Dusing, and Mamusi, low literacy levels affected volunteer recruitment and survey quality. In several catchments including Yagaun, Bunabun, and Bagabag, inconsistencies in volunteer attendance and concerns over incentive payments were reported.

Social and security-related challenges were also encountered in specific locations. In Transgogol LLG, particularly around Yagaun, law and order issues including ethnic tensions and reported violence created operational delays and limited access to some inland areas. In Annaberg and Ramu River corridors, security risks including holdups and community unrest posed additional challenges to field teams. In some coastal and island communities such as Karkar and Bagabag, disputes over net allocation ratios led to community dissatisfaction, while isolated cases of net resale were also reported.

Administrative and operational constraints further affected implementation timelines. Delays in survey book collection were common in trekking areas such as Josephstaal, Kwanga, and Aiome, where volunteers often returned late due to distance and difficult terrain. In several catchments including Sausi, Walium, and Miak, last-minute operational changes and limited planning time required rapid adjustments by field teams. Cultural and social events such as funerals and bride

price ceremonies in Sumkar (Bagabag, Miak, and Mugil) also affected community availability during scheduled distribution periods.

Across all districts, these challenges were consistently compounded by the remoteness of settlements, high cost of service delivery, and limited infrastructure. However, despite these constraints, the programme continued to progress effectively through strong coordination, adaptability, and commitment from all implementing partners.

In conclusion, the successful implementation of the LLIN programme in Madang Province demonstrates the critical importance of strong provincial leadership, effective multi-agency collaboration, and integrated logistical and security support in delivering essential public health interventions in geographically and operationally challenging environments. The combined efforts of NMCP, Madang Provincial Health Authority, District Health Teams, Rotarians Against Malaria, PNGDF, ADF, health workers, volunteers, and local communities were instrumental in achieving high coverage and ensuring equitable access to malaria prevention tools across the province.

The experience further highlights that while Madang Province presents significant logistical and geographical challenges—from the river systems of Middle Ramu, to the islands of Sumkar, and the rugged inland terrain of Usino-Bundi—these barriers can be effectively managed through coordinated planning, strong partnerships, and flexible field operations. The programme stands as a strong example of successful inter-agency collaboration in public health delivery in some of the most difficult operational environments in the country.

ACKNOWLEDGEMENTS

On behalf of the Rotarians Against Malaria (RAM) LLIN distribution team, we extend our sincere appreciation and gratitude to the Papua New Guinea Defence Force (PNGDF) and the Australian Defence Force (ADF) for their exceptional support and commitment to this operation.

We particularly acknowledge the seamless provision of defence assets, including helicopters and personnel from both PNGDF and ADF, who supported LLIN operations over an intensive period of almost one month. Their dedication and operational support were instrumental in enabling access to some of the most remote and logistically challenging communities in Madang Province.

We also extend our special thanks to the ADF team for their genuine commitment, professionalism, and tireless efforts in supporting vulnerable and hard-to-reach populations. Their contribution demonstrated a strong spirit of partnership and humanitarian service, ensuring that malaria prevention interventions reached communities that are often beyond the reach of conventional logistics systems.

The success of this operation reflects the strength of collaboration between RAM, PNGDF, and ADF in delivering life-saving health interventions to remote communities in Papua New Guinea.

ADF & PNGDF AIR OPERATIONS AND SUPPORT PERSONNEL

Senior Leadership

Ser	Rank	Name	Remarks
1	Rear Admiral	Philip K. Polewara,	Commander-in-Chief
2	Lt Col	Micheal Brereton	ADF Lead
3	Col	Nancy Wii	Air Operations, PNGDF
4	Maj	Darius Kaule	Air Operations, PNGDF

Papua New Guinea Defence Force (PNGDF) – Field Operations Team

Ser	Reg No	Rank	Name	Remarks
1	810147	Capt	Ryan Manzin	Team Lead & PNGDF Liaison Officer
2	89488	WO	Alphonse Sitapai	Assistant Team Lead
3	89816	Sgt	Daniel Parakai	Preventive Medicine Technician
4	812328	Sgt	Henry Eric	Preventive Medicine Technician
5	811691	Cpl	Kabura Peter	Preventive Medicine Technician
6	814580	L/Cpl	Jeffrey Lewe	Preventive Medicine Technician
7	815155	L/Cpl	Willie Abraham	Preventive Medicine Technician
8	814684	Pte	Pule Thomas	Preventive Medicine Technician
9	814998	Pte	Sumareke Anston	Preventive Medicine Technician
10	814370	Pte	Meleng Jeremiah	Preventive Medicine Technician
11	814998	Pte	Robert David	Preventive Medicine Technician
12	—	Capt	Barnabas Malken	Public Relations Officer
13	—	Cpl	Yamanbi Steward	Loadmaster (Chopper Crew)

NMCP & PROVINCIAL ACKNOWLEDGEMENT

On behalf of the Rotarians Against Malaria (RAM) household distribution team who worked in the Middle Ramu, Sumkar, and Usino-Bundi districts, we would like to sincerely acknowledge and thank the Madang Provincial Health Authority and the District Health Staff of the three districts for their excellent cooperation, support, and commitment during the Long-Lasting Insecticidal Net (LLIN) distribution programme

In particular, we extend our sincere appreciation to:

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- Dr Martin Daimen – Chief Executive Officer, Madang PHA
- Dr Karoi Kamac – Director Public Health, PHA
- Mr Arthur Waglum – Provincial Disease Control Officer
- Ms Winnie Rambayima – Provincial Malaria Supervisor

and their teams for their leadership, coordination, and continuous support throughout the implementation of the programme.

DISTRICT ACKNOWLEDGEMENTS

We also sincerely acknowledge all district health staff across Middle Ramu, Sumkar, and Usino-Bundi who contributed tirelessly to the success of the programme. Their local knowledge, dedication, and commitment were instrumental from planning through to implementation.

Middle Ramu District

Name	Occupation	Institution
Mr. Donatus Tigauu	District Health Manager	Middle Ramu District
Mrs. Nuvi Bangkok	Community Health Worker	Sangapi Health Centre
Mr. Rabi Paul	Chairman	Sangapi Health Centre
Mr. Banex Daimon	Community Health Worker	Sangapi Health Centre
Mr. Linus Daik Luman	Officer in Charge	Kwanga Health Centre
Mr. Basil Winatha	Community Health Worker	Kwanga Health Centre
Ms. Albina Kobo	Sister in Charge	Josephstaal Health Centre
Mr. Tubui Fetsou	Community Health Worker	Josephstaal Health Centre
Mr. Gengo Umbu	Community Health Worker	Josephstaal Health Centre
Mr. Adrian Makaru	Community Health Worker	Josephstaal Health Centre
Mr. Terry Namariau	Community Health Worker	Josephstaal Health Centre

Name	Occupation	Institution
Mr. Beven Lester	Officer in Charge	Aiome Health Centre
Mr. Moses Bii	Community Health Worker	Aiome Health Centre
Mr. Ben Asukai	Community Health Worker	Aiome Health Centre
Mr. Mathew Angom	Nursing Officer	Dusim Aid Post
Mr. Moses Bugi	Community Health Worker	Annaberg Health Centre
Mr. Benjamin	Officer in Charge	Mamusi Aid Post
Mr. John Turu	Community Health Worker	Mamusi Aid Post

Sumkar District

Name	Occupation	Institution
Mr. Daniel Oari	District Health Manager	Sumkar District
Mr. Vaniah Emogaal	Officer in Charge	Bunabun Health Centre
Mr. Desmond Jaun	Community Health Worker	Bunabun Health Centre
Ms. Martha Kulala	Officer in Charge	Miak Health Centre
Mr. Kei Maing	Community Health Worker	Miak Health Centre
Mr. Napoleon Sirili	Officer in Charge	Bagabag Health Centre
Mr. George Sirili	Nursing Officer	Bagabag Health Centre
Mr. Junior Alakum	Community Health Worker	Badiliu Aid Post
Mrs. Sharon Samor	Community Health Worker	Yau Plantation Aid Post
Mr. Fida Galum	Chief Executive Officer	Gaubin Rural Hospital
Mr. Yang Letang	Manager	Gaubin Rural Hospital
Mr. Langer Binib	Community Health Worker	Gaubin Rural Hospital
Mrs. Galun Lese	Community Health Worker	Gaubin Rural Hospital
Sr. Christine Ururu	Officer in Charge	Mugil Health Centre
Ms. Brisget Nawali	Nursing Officer	Mugil Health Centre
Mr. Milong Labong	Community Health Worker	Mugil Health Centre
Mr. Mosoben Aiauman	Officer in Charge	Kulubob Health Centre

Name	Occupation	Institution
Mr. Ben Nosamei	Community Health Worker	Kulubob Health Centre
Mr. Glison Kurkur	Officer in Charge	Mapor Health Centre

Usino-Bundi District

Name	Occupation	Institution
Mrs. Annalyne Kunsei	Officer in Charge	Begesin Health Centre
Mr. Visa Mimpik	Chairman	Begesin Health Centre
Mr. Benny Kiwar	Officer in Charge	Walium Health Centre
Mr. John Setla	Community Health Worker	Walium Health Centre
Mr. Raymond Mess	Officer in Charge	Sausi Health Centre
Mr. Patrick Ben	Community Health Worker	Sausi Health Centre
Mr. Saarks Mark	Community Health Worker	Kesewai Aid Post
Mr. Jack Abraham	Community Health Worker	Kombaku Aid Post
Mrs. Stella Garima	Officer in Charge	Brahman Health Centre
Mr. Ignatius Wasku	Community Health Worker	Brahman Health Centre
Mr. Felix Karpai	Officer in Charge	Gusap Health Centre

LOGISTICAL AND OPERATIONAL SUPPORT

RAM acknowledges the strong support provided by logistics and operational partners.

We particularly thank Easy Logistics for transporting 12 containers from Lae to Madang Province, of which 9 were stored at the Madang Provincial Authority yard and 3 at Walium Health Centre yard.

We also acknowledge:

- Pishon Hire Cars
- Fly Hire Cars
- Avis Hire Cars
- Country Tours Car Hire

- Local boat and vehicle owners

for their invaluable transport support throughout the operation.

We further acknowledge Islands Petroleum and Rookes Marine for supplying bulk fuel.

Special appreciation is extended to the Australian Defence Force (ADF) for helicopter support and the Papua New Guinea Defence Force (PNGDF) for providing ground security in high-risk areas. Their support was instrumental in reaching remote communities in Middle Ramu and Usino-Bundi.

We also thank Kulili Estate for transporting mosquito nets and fuel drums to Karkar Island, which significantly contributed to operational success.

PARTNER ORGANISATIONS AND COMMUNITIES

RAM acknowledges all church-run health facilities under:

- Lutheran Church
- Catholic Church
- Nazarene Church
- Evangelical Brotherhood Church

as well as all government-run health facilities for allowing their staff to participate in the programme.

FINAL ACKNOWLEDGEMENT

Finally, RAM extends heartfelt appreciation to all volunteers and local community leaders who ensured complete household coverage and supported LLIN distribution activities.

Their dedication, commitment, and local expertise were fundamental to the success of the programme.

MADANG PROVINCE LLINs DISTRIBUTION IN PICTURES

2024 & 2025

Meeting the Provincial Heads

Meeting with PHA: Simbai HC, Annaberg HC



Microplanning

Microplanning at: Sangapi HC, Simbai HC, Usino HC, Josephstaal HC, Dusin HC, Gusap HC, Mugil HC,





Training & Survey

Survey Volunteer Training at: Sangapi HC, Usino HC, Kwanga HC, Walium HC, Josephstaal HC, Gusap HC,





Verification

Survey Verification: Usino HC, Walium HC, Sausi HC, Gusap HC, Mugil HC,





Distribution

Distribution of LLINS: Simbai HC, Usino HC, Kwanga HC, Walium HC, Sausi HC, Josephstaal HC, Bundi HC, Dusin HC,





Transportation & Storage

Transportation & Storage of LLINS: Sangapi HC, Simbai HC, Usino HC, Sausi HC, Josephstaal HC, Aiome HC, Bundi HC, Gusap HC





Happy Faces

Happy Recipients of LLINS: Sangapi HC, Kwanga HC, Josephstaal HC, Bundi HC,





Donation

Donation of LLINS: Simbai HC, Josephstaal HC, Gusap HC, Annaberg HC.



Meeting the Provincial Heads

1. Albert Ben: Meeting the PHA for Modilon Hospital Ops.



Batayoks.IMAGES-23

Microplanning

1. Albert Ben: Microplanning at Modilon Hospital.



Batayoks.IMAGES-23

2. Allan Kekele & Geril Gesimp: Microplanning at Modilon Hospital.



3. Angela Kei: Microplanning at Alexishafen Health Centre.



4. Job Kemi: Microplanning at Yagaum Health Centre.



Training & Survey

1. Albert Ben: Survey Volunteer Training at Modilon Hospital.



2. Angela Kei: Survey Volunteer Training at Alexishafen Health Centre.



3. Job Kemi: Survey Volunteer Training at Yagaum Health Centre.



Verification

1. Albert Ben: Verification at Modilon Hospital.



2. Angela Kei: Verification and Public Viewing at Alexishafen Health Centre.



3. Job Kemi: Verification at Yagaum Health Centre.



Distribution

1. Albert Ben: Distribution of LLINS at Modilon Hospital.



2. Allan Kekele & Geril Gesimp: Distribution of LLINs at Modilon Hospital.



3. Angela Kei: Distribution of LLINS at Alexishafen Health Centre.



4. Job Kemi: Distribution of LLINS at Yagaum Health Centre.



Transportation & Storage

1. Albert Ben: Transportation of LLINS at Modilon Hospital.



2. Angela Kei: Transportation of LLINS at Alexishafen Health Centre.



Happy Faces

1. Allan Kekele & Geril Gesimp: Happy Recipients of LLINS at Modilon Hospital.



2. Angela Kei: Happy Recipient of LLINS at Alexishafen Health Centre.



3. Job Kemi: Happy Recipients of LLINS at Yagaum Health Centre.



Donation

ANNEXURE - 2
MADANG PROVINCE
MIDDLE RAMU DISTRICT
LLIN DISTRIBUTION SUMMARY

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
MIDDLE RAMU			1,24,299	1,24,299				1,20,197	21,089	60,265	60,737		271	257	0	7,352	986	71	
ARABAKA RURAL			40,712	49,883				46,789	8,189	23,762	23,831		117	112	0	1,743	640	52	
1	WARD 1		1,967	2,012				1,904	333	938	979		7	5	0	126	9		
		1.Jongita	432	479	Gokto AP	Yes	27.11.24	411	77	201	208	04.12.24	1	1	0	27	2	NBC	Trek
		2.Gokto	144	221	Gokto AP	Yes	26.11.24	238	42	117	125	03.12.24	1	1	0	25	0	NBC	Trek
		3.Tasibk	266	366	Gokto AP	Yes	27.11.24	386	61	195	199	04.12.24	1	0	0	30	1	NBC	Trek
		4.Gokto Stn/School A/pos	354	111	Gokto AP	Yes	27.11.24	71	12	32	36	03.12.24	1	1	0	2	1	NBC	Trek
		5.Mui	359	402	Gokto AP	Yes	29.11.24	314	62	155	163	05.12.24	1	0	0	13	3	NBC	Trek
		6.Pera	150	141	Gokto AP	Yes	28.11.24	212	39	107	109	05.12.24	1	1	0	20	2	NBC	Trek
		7.Nomare	262	293	Gokto AP	Yes	29.11.24	272	40	131	139	05.12.24	1	1	0	9	0	NBC	Trek
2	WARD 2		1,823	2,260				1,914	298	964	964		7	7	0	19	19		
		1.Jakipuat	110	178	Aiome HC	Yes	27.11.24	161	22	77	77	03.12.24	1	1	0				Road/boat
		2.Litibu	552	518	Annaberg HC	Yes	29.11.24	424	72	226	226	07.12.24	1	1	0	0	0	NBC	River
		3.Unduvagu	131	155	Aiome HC	Yes	27.11.24	235	45	104	104	03.12.24	1	1	0				Road/Trek
		4.Wobu	543	399	Annaberg HC	Yes	27.11.24	377	52	192	192	07.12.24	1	1	0	11	11	NBC	River
		6.Alongo	163	297	Annaberg HC	Yes	27.11.24	207	32	110	110	07.12.24	1	1	0	0	0	NBC	Another Hamlet Covered under Mamusi
		7.Kolum	183	273	Annaberg HC	Yes	27.11.24	170	19	86	86	08.12.24	1	1	0	6	6	NBC	Ethnic Clash and some people moved Jotabu
		8.Lorabu	142	440	Annaberg HC	Yes	27.11.24	340	56	169	169	08.12.24	1	1	0	2	2	NBC	River
3	WARD 3		986	1,280				1,176	223	569	569		4	4	0	0	0		
		1.Atiapi	275	284	Aiome HC	Yes	27.11.24	347	74	165	165	04.12.24	1	1	0	0	0		Road/Trek
		2.Dobarat	410	653	Aiome HC	Yes	27.11.24	394	68	186	186		1	1	0	0	0		Road/Trek
		3.Ambiat	120	62	Aiome HC	Yes	27.11.24	180	35	89	89	05.12.24	1	1	0	0	0		Road/Trek
		4.Anigoim	180	282	Aiome HC	Yes	27.11.24	255	46	129	129	05.12.24	1	1	0	0	0		Road/Trek
4	WARD 4		1,316	1,544				1,350	218	687	687		3	3	0	137	113		
		1.Djam	608	811	Annaberg HC	Yes	27.11.24	708	117	362	362	05.12.24	1	1	0	57	34	NBC	River
		2.Jitibu	616	601	Annaberg HC	Yes	28.11.24	547	86	275	275	05.12.24	1	1	0	66	66	NBC	River
		3.Annaberg Community C	92	132	Annaberg HC	Yes	27.11.24	95	15	50	50	06.12.24	1	1	0	14	13	NBC	River
5	WARD 5		1,336	1,975				1,401	257	723	723		4	4	0	34	51		
		1.Moibu	367	455	Annaberg HC	Yes	26.11.24	158	19	79	79	08.12.24	1	1	0	0	3	NBC	River
		2.Nambabu	202	247	Annaberg HC	Yes	27.11.24	234	58	126	126	08.12.24	1	1	0	21	13	NBC	River
		3.Wrebu	614	1,029	Annaberg HC	Yes	26.11.24	819	145	418	418	07.12.24	1	1	0	13	12	NBC	River/Trek
		4.Banggrob	152	245	Annaberg HC	Yes	26.11.24	190	35	100	100	08.12.24	1	1	0	0	23	NBC	River
6	WARD 6		1,340	1,512				1,222	214	628	628		6	5	0	116	114		
		Gragebu	245	231	Annaberg HC	Yes	26.11.24	277	55	141	141	06.12.24	1	1	0	34	34	NBC	River
		Sabu	247	323	Annaberg HC	Yes	27.11.24	270	48	138	138	06.12.24	1	1	0	22	22	NBC	River
		Buramba	249	283	Annaberg HC	Yes	27.11.24	213	33	110	110	06.12.24	1	1	0	14	14	NBC	River
		Buro	127	107	Annaberg HC	Yes	27.11.24	130	28	69	69	06.12.24	1	1	0	22	20	NBC	River
		Wukibu	350	421	Annaberg HC	Yes	27.11.24	332	50	170	170	06.12.24	1	1	0	24	24	NBC	River
		Bitobu	122	148	Annaberg HC								1						Ethnic Clash and some people moved Jotabu
7	WARD 7		1,314	1,422				1,327	245	679	679		5	5	0	58	16		
		1.Nodabu	404	405	Annaberg HC	Yes	28.11.24	314	55	161	161	07.12.24	1	1	0	16	2	NBC	River
		2.Igratibu	152	165	Annaberg HC	Yes	27.11.24	189	40	100	100	07.12.24	1	1	0	15	2	NBC	River
		3.Jotabu	157	184	Annaberg HC	Yes	26.11.24	219	40	113	113	07.12.24	1	1	0	3	0	NBC	River
		4.Lingribu	567	488	Annaberg HC	Yes	27.12.24	448	74	225	225	07.12.24	1	1	0	17	6	NBC	River
		5.Nodabu Government Sta	34	181	Annaberg HC	Yes	27.11.24	157	36	80	80	07.12.24	1	1	0	7	6	NBC	River

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
8	WARD 8		988	1,372				1,086	197	562	562		3	3	0	24	48		
		1.Paibu	578	340	Annaberg HC	Yes	27.11.24	332	64	169	169	05.12.24	1	1	0	11	34	NBC	River
		2.Badobu & Balabu S/chs	314	533	Annaberg HC	Yes	27.11.24	383	75	207	207	05.12.24	1	1	0	13	2	NBC	River
		3.Goribu	97	499	Annaberg HC	Yes	28.11.24	371	58	186	186	05.12.24	1	1	0	0	12	NBC	River
9	WARD 9		1,132	1,528				1,374	226	694	694		2	2	0	100	22		
		1.Dibu	513	710	Annaberg HC	Yes	27.11.24	511	100	263	263	05.12.24	1	1	0	44	17	NBC	River
		2.Watabu	619	818	Annaberg HC	Yes	27.11.24	863	126	431	431	05.12.24	1	1	0	56	5	NBC	River
10	WARD 10		1,196	1,431				1,599	262	821	821		3	3	0	103	4		
		1.Grengabu	490	628	Kwanga HC	Yes	27.11.24	561	100	287	287	08.12.24	1	1	0	78	2		River
		2.Kwetobu	260	351	Kwanga HC	Yes	27.11.24	520	86	268	268	08.12.24	1	1	0	12	2		River
		3.Truma	88	452	Kwanga HC	Yes	27.11.24	518	76	266	266	08-09.12.24	1	1	0	13	0		River
		4.Wleta	359	0	Kwanga HC														Non Existant
11	WARD 11		1,634	1,730				1,439	258	741	741		5	5	0	35	5		
		1.Chungribu	425	491	Kwanga HC	Yes	27.11.24	314	54	159	159	09-10.12.24	1	1	0	3	0		Boat
		2.Banum	307	245	Kwanga HC	Yes	27.11.24	283	45	144	144	09.12.24	1	1	0	13	0		Boat
		3.Pakingasu	646	710	Kwanga HC	Yes	27.11.24	560	107	290	290	08-09.12.24	1	1	0	12	5		Boat/Trek
		4.Ronebu	187	252	Kwanga HC	Yes	29.11.24	209	41	111	111	08-09.12.24	1	1	0	3	0		Boat
		5.Chrungribu C/sch/miss A	69	31	Kwanga HC	Yes	28.11.24	73	11	37	37	09.12.24	1	1	0	4	0		Boat
12	WARD 12		1,686	2,130				1,924	374	999	999		5	5	0	23	0		
		1.Limbubu	569	773	Kwanga HC	Yes	26.11.24	656	127	340	340	09-10.12.24	1	1	0	14	0		Boat
		2.Wangebu	290	368	Kwanga HC	Yes	26.11.24	461	87	242	242	09.12.24	1	1	0	0	0		Boat
		3.Chungri	253	313	Kwanga HC	Yes	26.11.24	178	43	97	97	09-10.12.24	1	1	0	2	0		Boat
		4.Nuibu	215	352	Kwanga HC	Yes	26.11.24	395	67	202	202	09-10.12.24	1	1	0	3	0		Boat
		5.Wanka	359	324	Kwanga HC	Yes	26.11.24	234	50	118	118	09.12.24	1	1	0	4	0		Boat
13	WARD 13		2,182	2,306				2,361	414	1,215	1,215		4	4	0	85	0		
		1.Kwanga	522	649	Kwanga HC	Yes	26.11.24	606	109	316	316	09-10.12.24	1	1	0	26	0		River
		2.Larebu	646	839	Kwanga HC	Yes	26.11.24	917	160	473	473	09-10.12.24	1	1	0	20	0		River
		3.Vinanda	865	555	Kwanga HC	Yes	26.11.24	722	122	365	365	04-06.12.24	1	1	0	30	0		River
		4.Kwanga Station	148	262	Kwanga HC	Yes	26.11.24	116	23	61	61	29.11.24	1	1	0	9	0		River
14	WARD 14		2,249	2,616				2,327	423	1,175	1,175		5	5	0	15	4		
		1.Askunka	142	847	Kwanga HC	Yes	30.11.24	673	124	349	349	04-06.12.24	1	1	0	10	4		Boat/Trek/Boat
		2.Igana	430	450	Kwanga HC	Yes	29.11.24	701	110	343	343	04-05.12.24	1	1	0	1	0		Boat/Trek/Boat
		3.Kominimung	545	550	Kwanga HC	Yes	26.11.24	552	100	272	272	04-08.12.24	1	1	0	4	0		Boat/Trek/Boat
		4.Bvoasma	769	445	Kwanga HC	Yes	30.11.24	147	39	81	81	05-06.12.24	1	1	0	0	0		Boat/Trek/Boat
		5.Nema	363	324	Kwanga HC	Yes	29.11.24	254	50	130	130	05-06.12.24	1	1	0	0	0		Boat/Trek/Boat
15	WARD 15		2,650	3,605				3,436	657	1,776	1,776		2	2	0	348	0		
		1.Misingi	1,293	1,468	Kwanga HC	Yes	27.11.24	1,608	277	821	821	08-10.12.24	1	1	0	136	0		Boat
		2.Romkun	1,357	2,137	Kwanga HC	Yes	27.11.24	1,828	380	955	955	7-10.12.24	1	1	0	212	0		Boat
16	WARD 16		1,374	2,673				2,061	393	1,062	1,062		3	3	0	99	4		
		1.Nabringi	522	372	Kwanga HC	Yes	27.11.24	256	48	128	128	08-10.12.24	1	1	0	0	0		Boat/Trek
		2.Zumbar	853	1,928	Kwanga HC	Yes	26.11.24	1,502	290	784	784	07-09.12.24	1	1	0	84	0		Boat
		3.Manvik		372	Kwanga HC	Yes	27.11.24	303	55	150	150	08-09.12.24	1	1	0	15	4		Boat/Trek
17	WARD 17		1,168	1,256				1,317	253	674	674		4	4	0	22	33		
		1.Bumbera	563	645	Annaberg HC	Yes	30.11.24	613	96	311	311	04.12.24	1	1	0	13	30	NBC	River/Trek
		2.Jabis	131	206	Annaberg HC	Yes	27.11.24	209	50	110	110	04.12.24	1	1	0	0	0	NBC	River/Trek
		3.Nagru	341	352	Annaberg HC	Yes	26.11.24	474	100	242	242	04.12.24	1	1	0	5	0	NBC	River/Trek
		4.Bumbera Community sch	133	53	Annaberg HC	Yes	01.12.24	21	7	11	11	04.12.24	1	1	0	4	3	NBC	River/Trek
18	WARD 18		786	901				870	148	438	438		2	2	0	10	0		
		1.Bunungom	391	389	Annaberg HC	Yes	28.11.24	443	78	223	223	04.12.24	1	1	0	6	0	NBC	River/Trek
		2.Boro	395	511	Annaberg HC	Yes	29.11.24	427	70	215	215	04.12.24	1	1	0	4	0	NBC	River/Trek

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
19	WARD 19		1,233	1,843				1,969	379	1,005	1,005		6	6	0	127	96		
		1.Gosingi	204	338	Annaberg HC	Yes	27.11.24	347	66	178	178	06.12.24	1	1	0	17	12	NBC	River/Trek
		2.Naresa	183	315	Annaberg HC	Yes	27.11.24	381	68	195	195	06.12.24	1	1	0	50	5	NBC	River/Trek
		3.Briti	266	449	Annaberg HC	Yes	27.11.24	530	108	264	264	06.12.24	1	1	0	11	29	NBC	River/Trek
		4.Jelto	193	229	Annaberg HC	Yes	28.11.24	209	37	105	105	06.12.24	1	1	0	5	5	NBC	River/Trek
		5.Zuto & Zango	187	203	Annaberg HC	Yes	27.11.24	216	41	113	113	06.12.24	1	1	0	22	19	NBC	River/Trek
		6.Womrom	200	310	Annaberg HC	Yes	27.11.24	286	59	150	150	06.12.24	1	1	0	22	26	NBC	River/Trek
20	WARD 20		984	1,115				1,225	200	593	621		4	3	0	83	12		
		1.Brokoto	243	266	Gokto AP	Yes	27.11.24	270	44	124	138	02.12.24	1	1	0	16	0	NBC	River/Trek
		2.Meletto	172	250	Gokto AP	Yes	27.11.24	296	50	147	150	02.12.24	1	0	0	37	9	NBC	River/Trek
		3.Mimsi	430	407	Gokto AP	Yes	27.11.24	388	64	189	196	02.12.24	1	1	0	16	1	NBC	River/Trek
		4.Kikibu	140	192	Gokto AP	Yes	27.11.24	271	42	133	137	02.12.24	1	1	0	14	2	NBC	River
21	WARD 21		528	1,195				1,111	171	581	581		2	2	0	52	25		
		1.Akurukai	249	417	Kwanga HC	Yes	27.11.24	601	92	317	317	01-02.12.24	1	1	0	37	25		Boat
		2.Andamang	279	777	Kwanga HC	Yes	27.11.24	510	79	264	264	01.12.24	1	1	0	15	0		Boat
22	WARD 22		470	845				937	156	463	463		3	3	0	5	2		
		1.Wawapi	157	260	Kwanga HC	Yes	28.11.24	220	39	113	113	01-02.12.24	1	1	0	4	2		Boat/Trek
		2.Bunapi	56	317	Kwanga HC	Yes	29.11.24	179	27	89	89	01-02.12.24	1	1	0	0	0		Boat/Trek
		3.Pinamara	258	267	Kwanga HC	Yes	28.11.24	538	90	261	261	01-02.12.24	1	1	0	1	0		Boat/Trek
23	WARD 23		792	1,219				1,133	196	561	561		1	0	0	0	0		
		1.Ipikondor	792	1,219	Aiome HC	Yes	02.12.24	1,133	196	561	561	10.12.24	1						Road/Boat/Trek
24	WARD 24		655	644				736	114	387	387		1	1	0	0	0		
		1.Irarapi	655	644	Aiome HC	Yes	30.11.24	736	114	387	387	10.12.24	1	1	0	0	0		Road/Boat/Trek
25	WARD 25		707	909				980	164	501	501		3	3	0	0	0		
		1.Awam	275	273	Aiome HC	Yes	30.11.24	306	50	155	155	10.12.24	1	1	0	0	0		Road/Boat/Trek
		2.Isowak	296	343	Aiome HC	Yes	02.12.24	529	90	272	272	10.12.24	1	1	0	0	0		Road/Boat/Trek
		3.Iwam	135	293	Aiome HC	Yes	30.11.24	145	24	74	74	10.12.24	1	1	0	0	0		Road/Boat/Trek
26	WARD 26		979	1,027				1,107	192	570	570		6	6	0	0	0		
		1.Akavangu	88	131	Aiome HC	Yes	02.12.24	122	16	64	64	10.12.24	1	1	0	0	0		Road/Boat/Trek
		2.Longar	94	77	Aiome HC	Yes	02.12.24	55	11	28	28	10.12.24	1	1	0	0	0		Road/Boat/Trek
		3.Nambinj	215	209	Aiome HC	Yes	01.12.24	237	43	120	120	10.12.24	1	1	0	0	0		Road/Boat/Trek
		4.Pasinkap	324	361	Aiome HC	Yes	01.12.24	444	79	228	228	10.12.24	1	1	0	0	0		Road/Boat/Trek
		5.Iriwas	208	197	Aiome HC	Yes	01.12.24	183	29	94	94	09.12.24	1	1	0	0	0		Road/Boat/Trek
		6.Pasinkap Community Sc	49	52	Aiome HC	Yes	02.12.24	66	14	36	36	10.12.24	1	1	0	0	0		Road/Boat/Trek
27	WARD 27		732	940				836	142	446	446		2	2	0	0	0		
		1.Astangu	281	424	Aiome HC	Yes	02.12.24	366	68	201	201	09.12.24	1	1	0	0	0		Road/Boat/Trek
		2.Itarangu	451	516	Aiome HC	Yes	01.12.24	470	74	245	245	10.12.24	1	1	0	0	0		Road/Boat/Trek
28	WARD 28		707	562				672	95	348	348		1	1	0	0	0		
		1.Atembie	707	562	Aiome HC	Yes	27.11.24	672	95	348	348	10.12.24	1	1	0	0	0		Road/Boat/Trek
		2. Iwam		0	Aiome HC														Non Existant
29	WARD 29		795	654				509	85	244	244		3	3	0	0	0		
		1.poraitz	277	196	Aiome HC	Yes	27.11.24	145	25	72	72	10.12.24	1	1	0	0	0		Road
		2.Kurakem	232	175	Aiome HC	Yes	27.11.24	142	20	62	62	10.12.24	1	1	0	0	0		Road/Trek
		3.Mauachich	286	283	Aiome HC	Yes	27.11.24	222	40	110	110	10.12.24	1	1	0	0	0		Road/Trek
30	WARD 30		1,295	1,088				976	157	467	467		1	1	0	0	0		
		1.Iragarat	1,295	1,088	Aiome HC	Yes	27.11.24	976	157	467	467	05.12.24	1	1	0	0	0		Road
31	WARD 31		1,173	1,353				1,409	230	678	678		2	2	0	0	0		
		1.Animuk	423	759	Aiome HC	Yes	27.11.24	874	133	423	423	04.12.24	1	1	0	0	0		Road
		2.Aiome Govt. Station	750	593	Aiome HC	Yes	27.11.24	535	97	255	255	03.12.24	1	1	0	0	0		Road
32	WARD 32		1,263	904				907	149	441	441		2	2	0	0	0		
		1.Apanam	683	713	Aiome HC	Yes	27.11.24	636	99	307	307	04.12.24	1	1	0	0	0		Road
		2.Mombasap	580	191	Aiome HC	Yes	27.11.24	271	50	134	134	10.12.24	1	1	0	0	0		Road
33	WARD 33			621				740	127	376	376		2	2	0	93	63		
		Jogoi 1		319	Annaberg HC	Yes	27.11.24	372	67	191	191	06.12.24	1	1	0	42	31	NBC	River/ Trek
		Jogoi 2		303	Annaberg HC	Yes	27.11.24	368	60	185	185	06.12.24	1	1	0	51	32	NBC	River/ Trek
34	WARD 34		1,271	1,413				1,454	239	756	756		4	4	0	29	0		

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		1.Sotobu	567	518	Kwanga HC	Yes	26.11.24	384	75	212	212	09.12.24	1	1	0	7	0		Boat
		2.Gramapon	279	574	Kwanga HC	Yes	26.11.24	523	93	273	273	09.12.24	1	1	0	10	0		Boat
		3.Potebu	425	246	Kwanga HC	Yes	26.11.24	465	61	230	230	29.11.24	1	1	0	8	0		Boat
		4.Kmokmo		75	Kwanga HC	Yes	26.11.24	82	10	41	41	29-30.11.24	1	1	0	4	0		Boat
				0									0						

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JOSEPHSTAAL RURAL			32,566	33,737				33,829	5,536	16,698	16,713		101	97	0	2,918	75	0	
1	WARD 1		1,993	1,777				1,892	294	888	895		4	4	0	164	0		
		1.Ingawaia	558	548	Josephstaal HC	Yes	02.12.24	452	75	217	217	06.12.24	1	1	0	72	0		Trek
		2.Isaraken	676	527	Josephstaal HC	Yes	01.12.24	644	96	289	296	06.12.24	1	1	0	83	0		Trek
		3.Mutungu	384	377	Josephstaal HC	Yes	01.12.24	425	68	207	207	06.12.24	1	1	0	2	0		Trek
		4.Oyemken	374	324	Josephstaal HC	Yes	01.12.24	371	55	175	175	06.12.24	1	1	0	7	0		Trek
2	WARD 2		1,557	1,810				1,802	287	885	885		3	3	0	234	0		
		1.Bogen	803	874	Josephstaal HC	Yes	01.12.24	973	146	477	477	06.12.24	1	1	0	124	0		Trek
		2.Misivindi	311	257	Josephstaal HC	Yes	30.11.24	279	50	142	142	06.12.24	1	1	0	27	0		Trek
		3.Ungei	442	680	Josephstaal HC	Yes	01.12.24	550	91	266	266	06.12.24	1	1	0	83	0		Trek
3	WARD 3		1,344	1,283				1,100	181	553	553		4	4	0	98	1		
		1.Osum	273	291	Josephstaal HC	Yes	27.11.24	266	45	136	136	03.12.24	1	1	0	26	0		Trek
		2.Pondoma	374	253	Josephstaal HC	Yes	27.11.24	292	45	140	140	03.12.24	1	1	0	17	1		Trek
		3.Suanjambi	414	382	Josephstaal HC	Yes	27.11.24	292	50	152	152	03.12.24	1	1	0	27	0		Trek
		4.Yigibugor	283	357	Josephstaal HC	Yes	27.11.24	250	41	125	125	03.12.24	1	1	0	28	0		Trek
4	WARD 4		1,396	1,561				1,950	269	959	959		4	4	0	85	1		
		1.Avunmakai	228	234	Josephstaal HC	Yes	28.11.24	285	43	139	139	05.12.24	1	1	0	32	0		Trek
		2.Makapai	249	293	Josephstaal HC	Yes	29.11.24	314	47	154	154	05.12.24	1	1	0	27	1		Trek
		3.Purpur	180	362	Josephstaal HC	Yes	29.11.24	476	61	229	229	05.12.24	1	1	0	10	0		Trek
		4.Uvorai	739	672	Josephstaal HC	Yes	28.11.24	875	118	437	437	05.12.24	1	1	0	16	0		Trek
5	WARD 5		2,169	2,575				2,325	374	1,153	1,153		7	7	0	231	1		
		1.Evuvar	260	266	Josephstaal HC	Yes	27.11.24	199	47	99	99	04.12.24	1	1	0	18	0		Trek
		2.Ikundun	348	407	Josephstaal HC	Yes	27.11.24	380	57	176	176	03.12.24	1	1	0	44	0		Trek
		3.Mindivi	460	570	Josephstaal HC	Yes	27.11.24	406	60	215	215	03.12.24	1	1	0	44	0		Trek
		4.Timandapuar	180	199	Josephstaal HC	Yes	27.11.24	242	37	120	120	03.12.24	1	1	0	13	0		Trek
		5.Hutar	485	273	Josephstaal HC	Yes	27.11.24	264	41	134	134	04.12.24	1	1	0	20	0		Trek
		6.Armind	436	534	Josephstaal HC	Yes	27.11.24	498	82	250	250	03.12.24	1	1	0	42	1		Trek
		7.Dogodogo		328	Josephstaal HC	Yes	27.11.24	336	50	159	159	04.12.24	1	1	0	50	0		Trek
6	WARD 6		2,564	2,671				2,349	353	1,119	1,114		6	6	0	186	5		
		1.Mandugar	253	297	Josephstaal HC	Yes	27.11.24	253	37	120	120	03.12.24	1	1	0	18	0		Trek
		2.Tumbundugui	511	452	Josephstaal HC	Yes	27.11.24	439	56	208	208	04.12.24	1	1	0	28	0		Trek
		3.Osum	722	758	Josephstaal HC	Yes	27.11.24	735	117	337	337	03.12.24	1	1	0	41	2		Trek
		4.Waiateng	404	520	Josephstaal HC	Yes	27.11.24	401	63	196	196	03.12.24	1	1	0	40	1		Trek
		5.Watitangu	311	370	Josephstaal HC	Yes	27.11.24	310	47	146	146	03.12.24	1	1	0	28	2		Trek
		6.Josephstaal Station	363	273	Josephstaal HC	Yes	27.11.24	211	33	112	107	03.12.24	1	1	0	31	0		Trek
7	WARD 7		1,293	1,270				1,353	209	635	642		3	3	0	53	12		
		1.Arimbugor	457	468	Josephstaal HC	Yes	27.11.24	489	77	239	239	03.12.24	1	1	0	30	0		Trek
		2.Pangasap	584	614	Josephstaal HC	Yes	27.11.24	647	98	299	299	03.12.24	1	1	0	8	2		Trek
		3.Ibubue	251	188	Josephstaal HC	Yes	27.11.24	217	34	97	104	03.12.24	1	1	0	15	10		Trek
8	WARD 8		642	514				522	92	246	246		1	1	0	32	0		
		1.Kisila/Simbar	642	514	Josephstaal HC	Yes	28.11.24	522	92	246	246	09.12.24	1	1	0	32	0		Trek
9	WARD 9		969	1,072				1,168	186	583	583		3	2	0	105	0		
		1.Iabaranga	189	173	Josephstaal HC	Yes	29.11.24	208	37	104	104	09.12.24	1	1	0	23	0		Trek
		2.Kokopogosa	245	302	Josephstaal HC	Yes	29.11.24	371	59	184	184	09.12.24	1	1	0	27	0		Trek
		3.Tindiginai	535	598	Josephstaal HC	Yes	28.11.24	589	90	295	295	09.12.24	1	0	0	55	0		Trek
10	WARD 10		580	289				740	125	373	373		2	2	0	29	0		
		1.Kangaragate	352	173	Josephstaal HC	Yes	30.11.24	495	75	245	245	09.12.24	1	1	0	25	0		Trek
		2.Sisilika	228	117	Josephstaal HC	Yes	30.11.24	245	50	128	128	09.12.24	1	1	0	4	0		Trek
11	WARD 11		528	579				732	126	349	349		2	2	0	46	0		
		1.Yamamuk	253	257	Josephstaal HC	Yes	29.11.24	276	50	128	128	08.12.24	1	1	0	24	0		Trek
		2.Makrandama	275	322	Josephstaal HC	Yes	29.11.24	456	76	221	221	09.12.24	1	1	0	22	0		Trek
12	WARD 12		268	370				413	53	196	196		1	1	0	29	0		
		1.Inasi	268	370	Josephstaal HC	Yes	29.11.24	413	53	196	196	05.12.24	1	1	0	29	0		Trek
13	WARD 13		1,087	1,349				1,287	197	575	575		3	3	0	79	0		
		1.Amjaivuvu	515	306	Josephstaal HC	Yes	29.11.24	334	57	141	141	05.12.24	1	1	0	19	0		Trek
		2.Maumeko	430	725	Josephstaal HC	Yes	29.11.24	552	79	251	251	05.12.24	1	1	0	23	0		Trek

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		3.Mavundi	142	319	Josephstaal HC	Yes	29.11.24	401	61	183	183	05.12.24	1	1	0	37	0		Trek
14	WARD 14		1,353	1,962				2,261	344	1,082	1,082		5	5	0	179	2		
		1.Angasa	210	382	Josephstaal HC	Yes	29.11.24	435	60	213	213	05.12.24	1	1	0	21	0		Trek
		2.Katiati	573	657	Josephstaal HC	Yes	29.11.24	623	104	293	293	04.12.24	1	1	0	73	0		Trek
		3.Niksapai	180	187	Josephstaal HC	Yes	29.11.24	190	32	88	88	04.12.24	1	1	0	0	0		Trek
		4.Imunangai	157	264	Josephstaal HC	Yes	29.11.24	360	56	172	172	04.12.24	1	1	0	38	2		Trek
		5.Muiamgumgu	232	471	Josephstaal HC	Yes	29.11.24	653	92	316	316	06.12.24	1	1	0	47	0		Trek

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15	WARD 15		870	1,134				845	150	394	400		3	3	0	84	5		
		1.Kaibugu	307	225	Josephstaal HC	Yes	29.11.24	152	31	77	77	04.12.24	1	1	0	25	0		Trek
		2.Mranget	339	431	Josephstaal HC	Yes	29.11.24	487	83	215	221	04.12.24	1	1	0	26	2		Trek
		3.Tevari	223	478	Josephstaal HC	Yes	29.11.24	206	36	102	102	04.12.24	1	1	0	33	3		Trek
16	WARD 16		728	751				941	142	449	449		4	4	0	31	5		
		1.Iwarai	148	163	Josephstaal HC	Yes	29.11.24	210	24	100	100	05.12.24	1	1	0	2	0		Trek
		2.Turagiri	210	273	Josephstaal HC	Yes	29.11.24	287	50	142	142	05.12.24	1	1	0	10	0		Trek
		3.Wgowind	204	89	Josephstaal HC	Yes	29.11.24	237	41	112	112	05.12.24	1	1	0	7	5		Trek
		4.Aiwgor	165	228	Josephstaal HC	Yes	29.11.24	207	27	95	95	04.12.24	1	1	0	12	0		Trek
17	WARD 17		1,194	1,186				1,107	177	537	537		2	2	0	69	8		
		1.Kinbugor	563	607	Josephstaal HC	Yes	29.11.24	608	104	295	295	05.12.24	1	1	0	28	8		Trek
		2.Kundibingi	631	579	Josephstaal HC	Yes	29.11.24	499	73	242	242	05.12.24	1	1	0	41	0		Trek
18	WARD 18		556	886				884	154	480	480		3	0	0	28	2		
		1.Aragnam	256	358	Josephstaal HC	Yes	30.11.24	436	78	259	259	03.12.24	1	0	0	22	2		Trek
		2.Indawaia	208	245	Josephstaal HC	Yes	30.11.24	228	40	110	110	03.12.24	1	0	0	1	0		Trek
		3.Awanzy	92	284	Josephstaal HC	Yes	30.11.24	220	36	111	111	03.12.24	1	0	0	5	0		Trek
19	WARD 19		2,416	2,675				2,678	485	1,318	1,318		5	5	0	328	0		
		1.Ambok	573	430	Josephstaal HC	Yes	01.12.24	474	85	220	220	08.12.24	1	1	0	80	0		Trek
		2.Gotepuk	498	573	Josephstaal HC	Yes	01.12.24	523	90	247	247	08.12.24	1	1	0	39	0		Trek
		3.Yangaret	380	480	Josephstaal HC	Yes	01.12.24	498	85	245	245	08.12.24	1	1	0	60	0		Trek
		4.Itutang	436	605	Josephstaal HC	Yes	01.12.24	615	108	310	310	08.12.24	1	1	0	89	0		Trek
		5.Tanguat	528	588	Josephstaal HC	Yes	02.11.24	568	117	296	296	08.12.24	1	1	0	60	0		Trek
20	WARD 20		846	1,690				1,510	222	761	761		8	8	0	170	33		
		1.Kamambu	210	194	Wanuma HC	Yes	01.12.24	135	21	67	67	09.12.24	1	1	0	10	0		1 DayTrek
		2.Kumbuna	168	218	Wanuma HC	Yes	01.12.24	209	29	106	106	04.12.24	1	1	0	30	0		1Day Trek
		3.Sereven	292	270	Wanuma HC	Yes	01.12.24	221	24	110	110	05.12.24	1	1	0	14	0		1 DayTrek
		4.Sereven 2		332	Wanuma HC	Yes	01.12.24	195	32	102	102	05.12.24	1	1	0	27	1		1 Day Trek
		5.Kavai	176	185	Wanuma HC	Yes	30.11.24	122	21	63	63	04.12.24	1	1	0	19	0		1 Day Trek
		6.Iringi		104	Wanuma HC	Yes	01.12.24	220	35	113	113	09.12.24	1	1	0	29	3		1 DayTrek
		7.Imam		239	Wanuma HC	Yes	24.12.24	251	32	120	120	07.01.25	1	1	0	27	15		1 Day Trek
		8.Babaran		148	Wanuma HC	Yes	27.04.24	157	28	80	80	07.01.25	1	1	0	14	14		1 Day Trek
21	WARD 21		1,104	892				822	156	421	421		5	5	0	42	0		
		1.Sangur Sangur	262	188	Wanuma HC	Yes	28.11.24	146	27	76	76	02.12.24	1	1	0	10	0		1 Hour Trek
		2.Ubriyautau	301	295	Wanuma HC	Yes	28.11.24	292	50	148	148	04.12.24	1	1	0	17	0		1 Hour Trek
		3.Wanuma	318	181	Wanuma HC	Yes	27.11.24	176	34	90	90	02.12.24	1	1	0	5	0		20 Minutes walk
		4.Wanuma Station	223	95	Wanuma HC	Yes	27.11.24	89	22	44	44	02.12.24	1	1	0	10	0		With in the Vicinity
		5.Sarime		132	Wanuma HC	Yes	28.11.24	119	23	63	63	04.12.24	1	1	0	0	0		1 Hour Trek
22	WARD 22		1,265	689				833	143	425	425		4	4	0	2	0		
		1.Munimataman	135	86	Wanuma HC	Yes	30.11.24	123	21	63	63	04.12.24	1	1	0	0	0		3 hours Trek
		2.Jabsau 1&2	425	249	Wanuma HC	Yes	28.11.24	287	46	143	143	04.12.24	1	1	0	0	0		4 hours Trek
		3.Kawat	286	156	Wanuma HC	Yes	30.11.24	174	35	95	95	04.12.24	1	1	0	0	0		4 hours Trek
		4.Amamit	419	197	Wanuma HC	Yes	29.11.24	249	41	124	124	04.12.24	1	1	0	2	0		5 hours Trek
23	WARD 23		707	389				400	61	197	197		2	2	0	16	0		
		1.Atitau	466	231	Wanuma HC	Yes	01.12.24	228	33	113	113	04.12.24	1	1	0	13	0		Whole Day Trek
		2.Yaria	241	158	Wanuma HC	Yes	01.12.24	172	28	84	84	04.12.24	1	1	0	3	0		Whole Day Trek
24	WARD 24		1,231	1,280				1,061	190	570	570		5	5	0	105	0		
		1.Arimtau	419	485	Wanuma HC	Yes	28.11.24	434	66	219	219	05.12.24	1	1	0	0	0		1 Day Trek
		2.Megilan 1	241	277	Wanuma HC	Yes	28.11.24	162	38	94	94	03.12.24	1	1	0	38	0		1 Day Trek
		3.Megilan 2	245	104	Wanuma HC	Yes	28.11.24	96	21	54	54	03.12.24	1	1	0	21	0		1 Day Trek
		4.Sirausi	326	173	Wanuma HC	Yes	28.11.24	201	31	106	106	05.12.24	1	1	0	12	0		1 Day Trek
		5. Irim		241	Wanuma HC	Yes	28.11.24	168	34	97	97	03.12.24	1	1	0	34	0		1 Day Trek
25	WARD 25		2,553	1,902				1,766	364	964	964		7	7	0	313	0		
		1.Abasakul 1	825	435	Wanuma HC	Yes	13.04.25	428	81	239	239	20.04.25	1	1	0	38	0		3 Days Trek
		2.Abasakul 2	399	305	Wanuma HC	Yes	13.04.25	266	49	143	143	19.04.25	1	1	0	49	0		3 Days Trek
		3.Avatamur	185	208	Wanuma HC	Yes	14.04.25	245	37	129	129	20.04.25	1	1	0	35	0		3 Days Trek
		4.Evechil	404	279	Wanuma HC	Yes	04.12.24	186	50	100	100	21.04.25	1	1	0	50	0		3 Days Trek

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
		5.Utergum	286	266	Wanuma HC	Yes	16.04.25	249	49	129	129	21.04.25	1	1	0	49	0		3 Days Trek
		6.Kokoma	245	208	Wanuma HC	Yes	03.12.24	210	48	114	114	21.04.25	1	1	0	48	0		3 Days Trek
		7.Pusilai	210	202	Wanuma HC	Yes	03.12.24	182	50	110	110	21.04.25	1	1	0	44	0		3 Days Trek
26	WARD 26		1,353	1,181				1,088	202	586	586		5	5	0	180	0		
		1.Kokomasak	335	291	Wanuma HC	Yes	14.04.25	221	40	120	120	19.04.25	1	1	0	40	0		3 Days Trek
		2.Kumbubua	273	249	Wanuma HC	Yes	14.04.25	258	49	129	129	21.04.25	1	1	0	49	0		3 Days Trek
		6.Kumbubua 2		0	Wanuma HC	Yes													No Village Found
		3.Kaukaval	131	146	Wanuma HC	Yes	14.04.25	125	22	71	71	19.04.25	1	1	0	19	0		3 Days Trek
		4.Porosae	356	240	Wanuma HC	Yes	13.04.25	242	50	135	135	19.04.25	1	1	0	31	0		3 Days Trek
		5.Mutuvav	258	256	Wanuma HC	Yes	14.04.25	242	41	131	131	19.04.25	1	1	0	41	0		3 Days Trek
				0									0						

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
SIMBAI RURAL			51,022	40,679				39,579	7,364	19,805	20,193		53	48	0	2,691	271	19	
1	SALEMP		1,752	2,225				2,083	290	1,076	1,062		7	7	0	96	5		2,691
		1.Salemp (008)	1,752	577	Dusim AS	Yes	26.11.24	428	75	231	231	05.12.24	1	1	0	43	3	93.5 FM	1 hr Trek
		2. Dusin		517	Dusim AS	Yes	26.11.24	518	56	281	267	04.12.24	1	1	0			93.5 FM	2-3 hrs Trek
		3 Wilim		274	Dusim AS	Yes	27.11.24	284	33	140	140	03.12.24	1	1	0	8	0		2 hrs Trek
		4 Yend		62	Dusim AS	Yes	27.11.24	54	6	28	28	04.12.24	1	1	0	0	0		2 hrs Trek
		5 Wulmil		181	Dusim AS	Yes	28.11.24	221	32	112	112	06.12.24	1	1	0	0	0	93.1 FM	2 hrs Trek
		6 Halabang		232	Dusim AS	Yes	26.11.24	225	29	111	111	05.12.24	1	1	0	7	0		2 hrs Trek
		7 Ganzil		384	Dusim AS	Yes	26.11.24	353	59	173	173	05.12.24	1	1	0	38	2	93.1 FM	2 hrs Trek
2	SONGUAK		1,437	1,760				1,523	244	793	792		1	1	0	70	3		
		1.Songuak (009)	1,437	1,760	Dusim AS	Yes	27.11.24	1,523	244	793	792	04.12.24	1	1	0	70	3		1 hr Trek
3	ARANAM		1,692	1,382				1,688	244	848	852		2	2	0	20	0		
		1.Aranam (003)	730	589	Dusim AS	Yes	27.11.24	853	94	433	433	05.12.24	1	1	0	3	0		2 hrs Trek
		2.Wowo (001)	962	793	Dusim AS	Yes	27.11.24	835	150	415	419	07.12.24	1	1	0	17	0		2 hrs Trek
4	AINONG		1,484	824				643	142	330	334		1	1	0	39	0		
		1.Ainong (001)	1,484	824	Dusim AS	Yes	27.11.24	643	142	330	334	06.12.24	1	1	0	39	0		2-3 hrs Trek
5	WOMUK		2,313	1,258				1,495	298	752	752		1	1	0	149	2		
		1.Womuk (010)	2,313	1,258	Simbai HC	Yes	28.11.24	1,495	298	752	752	04.12.24	1	1	0	149	2		4hrs Trek
6	KAIRONK		1,651	959				1,010	178	508	508		1	1	0	140	0		
		1.Kaironk	1,651	959	Simbai HC	Yes	28.11.24	1,010	178	508	508	04.12.24	1	1	0	140	0		4hrs Trek
7	FUNGOI		1,228	513				529	93	266	266		1	1	0	28	0		
		1.Fungoi	1,228	513	Simbai HC	Yes	27.11.24	529	93	266	266	03.12.24	1	1	0	28	0		3hrs Trek
8	FUNDUM		1,559	1,335				1,215	270	638	638		1	1	0	43	0		
		1.Fundum	1,559	1,335	Simbai HC	Yes	27.11.24	1,215	270	638	638	01.12.24	1	1	0	43	0		45 mins/
9	GAVUN		2,631	1,917				1,911	356	975	975		1	1	0	200	2		
		1.Gavun (002)	2,631	1,917	Simbai HC	Yes	26.11.24	1,911	356	975	975	03.12.24	1	1	0	200	2		Trek
10	NUGUNT		2,762	2,852				2,813	528	1,449	1,449		1	1	0	142	0		
		1.Nugunt (010)	2,762	2,852	Simbai HC	Yes	27.11.24	2,813	528	1,449	1,449	01.12.24	1	1	0	142	0		40 mins
11	KOKI		1,813	1,482				1,454	274	647	647		1	1	0	85	1		
		1.Koki (006)	1,813	1,482	Simbai HC	Yes	30.11.24	1,454	274	647	647	09.12.24	1	1	0	85	1		4 hrs Trek
12	YAMBUNGLEM		1,357	842				879	159	400	400		1	1	0	33	1		
		1.Yambunglem (011)/Yaps	1,357	842	Simbai HC	Yes	01.12.24	879	159	400	400	08.12.24	1	1	0	33	1		8 hrs Trek
13	KREVIN		1,765	1,339				1,215	236	588	588		2	2	0	88	19		
		1.Krevin (007)	1,441	1,082	Simbai HC	Yes	30.11.24	930	186	451	451	06.12.24	1	1	0	62	15	93.5 Madang	10 hrs Trek
		2.Muriki (009)	324	257	Simbai HC	Yes	30.11.24	285	50	137	137	06.12.24	1	1	0	26	4		10 hrs Trek
14	KURUMDEK		1,727	1,205				1,068	218	516	532		2	2	0	98	12		
		1.Kurumdek (008)	1,280	697	Simbai HC	Yes	01.12.24	643	126	307	307	08.12.24	1	1	0	51	8		8 hrs Trek
		2.Yomineki	447	508	Simbai HC	Yes	01.12.24	425	92	209	225	12.12.24	1	1	0	47	4		8 hrs Trek
15	KANDUM		1,770	2,206				2,237	441	1,093	1,185		3	3	0	222	70		
		1.Alunk (002)	640	656	Simbai HC	Yes	01.12.24	588	115	283	333	10.12.24	1	1	0	49	8	NBC Madang	5 hrs Trek
		2.Kandum (005)	1,130	868	Simbai HC	Yes	01.12.24	862	200	441	483	10.12.24	1	1	0	76	60	NBC Madang	4 hrs Trek
		3.Imnalem		682	Simbai HC	Yes	01.12.24	787	126	369	369	11.12.24	1	1	0	97	2	NBC Madang	1 day Trek
16	TINAM		1,166	1,106				899	164	431	446		2	2	0	105	5		
		1.Gringi (004)	619	629	Simbai HC	Yes	01.12.24	450	74	215	225	12.12.24	1	1	0	47	1		6 hrs Trek
		2.Tinam (010)	548	477	Simbai HC	Yes	01.12.24	449	90	216	221	09.12.24	1	1	0	58	4		7 hrs Trek
17	AIGRAM		1,503	1,129				1,513	297	812	812		4	2	0	215	36		
		1.Aigram (010)	621	663	Simbai HC	Yes	01.12.24	802	150	393	393	09.12.24	1	1	0	127	19		1day Trek
		2.Karap (006)	348	137	Simbai HC	Yes	01.12.24	237	50	162	162	10.12.24	1	0	0	23	4		1day Trek
		3.Amar	326	154	Simbai HC	Yes	01.12.24	228	48	152	152	10.12.24	1	1	0	30	3		1day Trek
		4.Mambasap	208	176	Simbai HC	Yes	01.12.24	246	49	105	105	09.12.24	1	0	0	35	10		1day Trek
18	KAMBANENG		1,619	1,204				1,245	249	608	608		1	1	0	154	8		
		1.Kambeneng (005)	1,619	1,204	Simbai HC	Yes	27.11.24	1,245	249	608	608	03.12.24	1	1	0	154	8		1 hr Trek
19	BABAIMP		1,636	1,743				1,152	224	538	638		1	1	0	0	0		
		1.Babaimp/Komerau	1,636	1,743	Simbai HC	Yes	01.12.24	1,152	224	538	638	13.12.24	1	1	0				6 hrs Trek
20	KUMBRUF		2,914	2,380				2,353	398	1,178	1,299		1	1	0	0	0		

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
		1.Kumbruf (008)	2,914	2,380	Simbai HC	Yes	30.11.24	2,353	398	1,178	1,299	10-13.12.24	1	1	0				4 hrs Trek
21	Tsungup		2,167	1,617				1,538	319	869	807		3	3	0	213	6		
		1.Kongrau (003)	861	564	Simbai HC	Yes	02.12.24	698	150	337	337	09.12.24	1	1	0	85	6	NBC Madang	1day Trek
		2.Tsungup (011)	790	446	Simbai HC	Yes	01.12.24	222	52	110	110	10.12.24	1	1	0	24	0		1day Trek
		3.Kokangi	515	607	Simbai HC	Yes	01.12.24	618	117	422	360	09.12.24	1	1	0	104	0		1day Trek
22	HANGAPLE		1,748	1,143				1,141	194	562	565		2	2	0	38	1		
		1.Hangaple (001)	1,748	540	Sangapi HC	Yes	28.11.24	575	104	281	284	06.12.24	1	1	0	33	1	NBC Madang	1 day Trek
		2. Yumb		603	Dusim AS	Yes	27.11.24	566	90	281	281	07.12.24	1	1	0	5	0		Air Stript
23	ARADEP		1,488	1,574				1,298	245	634	664		3	3	0	138	56		
		1.Aradep (002)	814	790	Sangapi HC	Yes	28.11.24	565	107	276	286	06.12.24	1	1	0	60	18	NBC Madang	3 hours Trek
		2.Fankfank/Fitako	674	315	Sangapi HC	Yes	30.11.24	307	63	150	162	06.12.24	1	1	0	20	0	NBC Madang	2 hours Trek
		3.Fatako		469	Sangapi HC	Yes	29.11.24	426	75	208	216	09.12.24	1	1	0	58	38	NBC Madang	Half Day Trek
24	SANGAPI		1,987	1,835				1,817	340	886	897		1	1	0	83	20		
		1.Sangapi (012)	1,987	1,835	Sangapi HC	Yes	28.11.24	1,817	340	886	897	15.12.24	1	1	0	83	20	NBC Madang	Aifield Here
25	WARD 25		1,014	1,012				1,034	221	504	524		3	0	0	19	2		
		1.Dangu (003) Kauro	238	195	Sangapi HC	Yes	29.11.24	223	50	109	120	07.12.24	1	0	0	0	0	NBC Madang	1 Day Trek From Sangapi
		2.Goimbam (011)	642	716	Sangapi HC	Yes	28.11.24	706	147	344	351	07.12.24	1	0	0	15	1	NBC Madang	1 Day Trek From Sangapi
		3.Urubu	133	101	Sangapi HC	Yes	29.11.24	105	24	51	53	07.12.24	1	0	0	4	1	NBC Madang	1 Day Trek From Sangapi
26	WARD 26		3,513	2,526				2,458	476	1,198	1,239		1	1	0	172	3		
		1.Gebrau	3,513	2,526	Sangapi HC	Yes	28.11.24	2,458	476	1,198	1,239	05.12.24	1	1	0	172	3	NBC Madang	1 Day Trek From Sangapi
27	Dundulomp		1,791	415				585	100	286	292		1	1	0	45	19		
		1.Tingi	1,791	415	Sangapi HC	Yes	28.11.24	585	100	286	292	05.12.24	1	1	0	45	19	NBC Madang	1 Day Trek From Sangapi
28	YILU		1,533	896				783	166	420	422		4	4	0	56	0		
		1.Mangamanu	120	86	Mamusi AS	Yes	27.11.24	51	16	25	25	2.12.24	1	1	0	7	0		Trek
		2.Yilu (Hagahai)	634	267	Mamusi AS	Yes	28.11.24	378	71	202	202	2.12.24	1	1	0	1	0		Trek
		3.Mamusi	676	495	Mamusi AS	Yes	27.11.24	295	66	162	163	29.11.24	1	1	0	40			Trek
		4.Penale	103	48	Mamusi AS	Yes	26.11.24	59	13	31	32	2.12.24	1	1	0	8	0		Trek

ANNEXURE - 3
MADANG PROVINCE
USINO BUNDI DISTRICT
LLIN DISTRIBUTION SUMMARY

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
USINO BUNDI			1,03,137	1,03,137				1,02,308	24,517	51,342	51,250		234	218	36	10,277	1,231	214	
BUNDI RURAL			21,449	18,987				19,712	3,429	9,788	9,859		74	71	0	1,765	315	75	
1	WARD 1		903	363				320	50	158	159		1	1	0	18	5		
		1.Bundikara	903	363	Bundi HC	Yes	17.11.24	320	50	158	159	25.01.25	1	1	0	18	5	NBC	Road/Trek
2	WARD 2		1,101	583				964	145	499	504		4	4	0	32	11		
		1.Kurinogobu	147	98	Bundi HC	Yes	18.11.24	115	15	64	64	25.01.25	1	1	0	10	9	NBC	Road/Trek
		2.Mendi	126	74	Bundi HC	Yes	19.11.24	352	45	174	179	24.01.25	1	1	0	21	1	NBC	Trek/ Helicopter
		3.Sno Pas	473	270	Bundi HC	Yes	18.11.24	323	50	167	167	24.01.25	1	1	0	1	1	NBC	Road/Trek
		4.Areratara	355	141	Bundi HC	Yes	18.11.24	174	35	94	94	31.01.25	1	1	0	0	0	NBC	Road/Trek
3	WARD 3		1,032	445				574	100	287	295		1	1	0	47	9		
		1.Bononi	1,032	445	Bundi HC	Yes	18.11.24	574	100	287	295	24.01.25	1	1	0	47	9	NBC	Road/Trek
4	WARD 4		1,256	462				500	85	224	239		1	1	0	0	0	NBC	
		1.Karisokara	1,256	462	Bundi HC	Yes	19.11.24	500	85	224	239	24.01.25	1	1	0	0	0	NBC	Road/Trek
5	WARD 5		481	340				266	50	128	128		1	1	0	0	0		
		1.Gogubagu	481	340	Bundi HC	Yes	19.11.24	266	50	128	128	24.01.25	1	1	0	0	0	NBC	Road/Trek
6	WARD 6		1,251	1,361				1,547	249	777	777		1	1	0	93	73	NBC	
		1.Yandara	1,251	1,361	Bundi HC	Yes	20.11.24	1,547	249	777	777	24.01.25	1	1	0	93	73	NBC	Road/Trek
7	WARD 7		412	148				263	50	135	135		1	1	0	26	10	NBC	
		1.Kindaukevi	412	148	Bundi HC	Yes	20.11.24	263	50	135	135	26.01.25	1	1	0	26	10	NBC	Road/Trek
8	WARD 8		453	443				175	38	101	101		1	1	0	12	12		
		1.Karamukei	453	443	Bundi HC	Yes	20.11.24	175	38	101	101	28.01.25	1	1	0	12	12	NBC	Road/Trek
9	WARD 9		816	560				380	71	186	194		3	3	0	3	3		
		1.Bau	100	132	Bundi HC	Yes	20.11.24	79	15	40	40	31.01.25	1	1	0	0	1	NBC	Road/Trek
		2.Marum	715	204	Bundi HC	Yes	20.11.24	94	20	53	53	30.01.25	1	1	0	1	1	NBC	Road/Trek
		Marum Lower		223	Bundi HC	Yes	20.11.24	207	36	93	101	30.01.25	1	1	0	2	1	NBC	Road/Trek
10	WARD 10		654	433				295	48	145	145		1	1	0	26	26		
		1.Mokinangi	654	433	Bundi HC	Yes	20.11.24	295	48	145	145	27.01.25	1	1	0	26	26	NBC	Road/Trek
11	WARD 11		522	356				172	35	91	91		2	2	0	0	0		
		1.Bogai	144	125	Bundi HC	Yes	21.11.24	89	16	41	41	31.01.25	1	1	0	0	0	NBC	Road/Trek
		2.Guiebi	378	231	Bundi HC	Yes	21.11.24	83	19	50	50	31.01.25	1	1	0	0	0	NBC	Road/Trek
12	WARD 12		921	388				680	85	287	289		4	4	0	50	14	NBC	
		1.Emegari	113	71	Bundi HC	Yes	20.11.24	142	25	71	73	30.01.25	1	1	0	13	8	NBC	Road/Trek
		2.Bogonogoi	317	118	Bundi HC	Yes	20.11.24	325	32	114	114	30.01.25	1	1	0	19	3	NBC	Road/Trek
		3.Magukoro	247	91	Bundi HC	Yes	20.11.24	126	15	57	57	30.01.25	1	1	0	8	2	NBC	Road/Trek
		4.Orobomarai	244	109	Bundi HC	Yes	20.11.24	87	13	45	45	30.01.25	1	1	0	10	1	NBC	Road/Trek
13	WARD 13		592	467				384	81	196	200		4	4	0	9	0		
		1.Kobum	95	142	Bundi HC	Yes	20.11.24	66	17	35	35	29.01.25	1	1	0	1	0	NBC	Road/Trek
		2.Dauri	319	90	Bundi HC	Yes	20.11.24	80	15	42	42	29.01.25	1	1	0	2	0	NBC	Road/Trek
		3.Aimambo	106	73	Bundi HC	Yes	20.11.24	104	20	56	56	30.01.25	1	1	0	3	0	NBC	Road/Trek
		4.Kumi	72	162	Bundi HC	Yes	29.11.24	134	29	63	67	29.01.25	1	1	0	3	0	NBC	Road/Trek

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
14	WARD 14		1,168	633				528	104	279	279		4	4	0	55	19		
		1.Aranam	260	136	Bundi HC	Yes	17.11.24	89	18	47	47	27.01.25	1	1	0	8	1	NBC	Road/Trek
		2.Mondinongra	543	206	Bundi HC	Yes	19.11.24	252	43	133	133	27.01.25	1	1	0	17	3	NBC	Road/Trek
		3.Mikainamba/Pisiga	208	169	Bundi HC	Yes	18.11.24	109	27	59	59	27.01.25	1	1	0	21	14	NBC	Road/Trek
		4.Bundi cath.miss.	157	121	Bundi HC	Yes	19.11.24	78	16	40	40	27.01.25	1	1	0	9	1	NBC	Road/Trek
15	WARD 15		1,338	474				387	103	211	211		4	4	0	20	8		
		1.Dagambaru	458	153	Bundi HC	Yes	20.11.24	145	41	83	83	28.01.25	1	1	0	4	2	NBC	Road/Trek
		2.Pupuneri	283	86	Bundi HC	Yes	18.11.24	93	25	49	49	28.01.25	1	1	0	4	2	NBC	Road/Trek
		3.Kueri bana	306	102	Bundi HC	Yes	18.11.24	74	17	39	39	28.01.25	1	1	0	5	2	NBC	Road/Trek
		4.Bundi Patrol Post	291	133	Bundi HC	Yes	19.11.24	75	20	40	40	28.01.25	1	1	0	7	2	NBC	Road/Trek
16	WARD 16		234	233				185	35	103	103		2	2	0	13	0		
		1.Biom	134	135	Bundi HC	Yes	20.11.24	72	14	39	39	29.01.25	1	1	0	5	0	NBC	Road/Trek
		2.Yai koro	100	99	Bundi HC	Yes	20.11.24	113	21	64	64	29.01.25	1	1	0	8	0	NBC	Road/Trek
17	WARD 17		453	545				610	100	295	299		5	5	0	57	7		
		1.Omkwisi	365	0	Brahman HC	Yes	16.11.24	56	11	28	28	22.11.24	1	1	0	2	1	NBC	Road/Trek 4hrs
		2.Promisi	87	85	Brahman HC	Yes	17.11.24	33	8	17	17	22.11.24	1	1	0	12	0	NBC	Road/Trek 4hrs
		3.Mom 1		370	Brahman HC	Yes	14.11.24	382	59	183	186	21.11.24	1	1	0	35	5	NBC	Road/Trek 4hrs
		4.Kuato		39	Brahman HC	Yes	15.11.24	79	14	38	38	22.11.24	1	1	0	2	1	NBC	Road/Trek 4hrs
		5.Werex		50	Brahman HC	Yes	14.11.24	60	8	29	30	22.11.24	1	1	0	6	0	NBC	Road/Trek 4hrs
18	WARD 18		2,602	2,032				1,938	348	950	969		6	6	0	265	20		
		1.Tereni	690	289	Brahman HC	Yes	14.11.24	267	22	124	123	21.11.24	1	1	0	0		NBC	Road
		2.Usema	643	329	Brahman HC	Yes	15.11.24	386	71	187	190	22.11.24	1	1	0	60	6	NBC	Road/Trek
		3.Wege/Imbrum	430	443	Brahman HC	Yes	15.11.24	445	100	220	229	21.11.24	1	1	0	85	6	NBC	Road/Trek
		4.Brahman High Sch	839	453	Brahman HC	Yes	14.11.24	324	57	166	165	21.11.24	1	1	0	44	3	NBC	Road/Trek
		5. Opri		305	Brahman HC	Yes	14.11.24	315	60	156	160	22.11.24	1	1	0	51	3	NBC	Road/Trek
		6. Mom 2		213	Brahman HC	Yes	15.11.24	201	38	97	102	22.11.24	1	1	0	25	2	NBC	Road/Trek
19	WARD 19		1,006	1,306				1,441	309	716	726		4	4	0	158	15		
		1.Teri	453	259	Brahman HC	Yes	17.11.24	169	44	86	86	21.11.24	1	1	0	21	2	NBC	Road/4hrsTrek
		2.Tauya	553	431	Brahman HC	Yes	14.11.24	539	92	264	269	21.11.24	1	1	0	51	4	NBC	Road/4hrs Trek
		3. Wofa		350	Brahman HC	Yes	15.11.24	453	100	226	228	21.11.24	1	1	0	44	8	NBC	Road 45 mins
		4. Sitau/Puha		266	Brahman HC	Yes	15.11.24	280	73	140	143	21.11.24	1	1	0	42	1	NBC	Road/4hrs Trek
20	WARD 20		628	486				774	145	387	392		3	3	0	62	9		
		1.Genari	134	112	Brahman HC	Yes	17.11.24	174	40	85	87	22.11.24	1	1	0	16	5	NBC	1 day Trek
		2.Safi	494	340	Brahman HC	Yes	17.11.24	366	55	181	184	22.11.24	1	1	0	33	1	NBC	1 day Trek
		3. Samiri		34	Brahman HC	Yes	16.11.24	234	50	121	121	22.11.24	1	1	0	13	3	NBC	1 day Trek
21	WARD 21		597	1,661				1,693	329	845	835		6	6	0	221	43		
		1.Faita	280	296	Brahman HC	Yes	18.11.24	29	11	17	16	23.11.24	1	1	0	6	1	NBC	Road/Trek
		2.Ginam	317	498	Brahman HC	Yes	16.11.24	487	100	242	238	22.11.24	1	1	0	68	21	NBC	Road/Trek
		3. Baia		145	Brahman HC	Yes	16.11.24	325	74	167	164	22.11.24	1	1	0	34	5	NBC	Road 1hr
		4. Tais 1		111	Brahman HC	Yes	15.11.24	178	36	92	90	23.11.24	1	1	0	29	3	NBC	Road 45 mins
		5. Tais 2		126	Brahman HC	Yes	15.11.24	140	22	68	68	23.11.24	1	1	0	8	0	NBC	Road 1hr
		6. Pendiba/Dry Wara		486	Brahman HC	Yes	15.11.24	534	86	259	259	22.11.24	1	1	0	76	13	NBC	Road 45 mins
22	WARD 22		3,029	5,268				5,636	869	2,788	2,788		15	12	0	598	31		
		1.Daunagar	471	811	Usino HC	Yes	19.11.24	891	140	450	450	09.12.24	1	1	0	114	0	FM/NBC	Road/Trek
		2.Kurumbukari	62	0	Usino HC														Abandoned
		3.Enekuai	265	1,874	Usino HC	Yes	19.11.24	2,234	331	1,110	1,110	04.12.24	1	1	0	245	1	FM/NBC	Road/Trek
		4.Gaizai	185	85	Usino HC								1						Covered under Enekuai
		5.Gazibani	108	157	Usino HC	Yes	19.11.24	219	42	108	108	05.12.24	1	1	0	17	0	FM/NBC	Road/Trek
		6.kinimati	306	704	Usino HC	Yes	19.11.24	686	99	332	332	05.12.24	1	1	0	80	13	FM/NBC	Road/Trek

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		7.Dengekevi	265	458	Usino HC	Yes	22.11.24	283	44	128	128	05.12.24	1	1	0	35	2	FM/NBC	Road/Trek
		8.Miai	149	0	Usino HC								1						Abandoned
		9.Mokimi	183	65	Usino HC	Yes	19.11.24	61	8	33	33	08.12.24	1	1	0	8	0	FM/NBC	Road/Trek
		10.Mondisipiri	116	267	Usino HC	Yes	19.11.24	213	36	111	111	05.12.24	1	1	0	35	1	FM/NBC	Road/Trek
		11.Moriuam	124	0	Usino HC								1						Abandoned
		12.Sipaip	108	223	Usino HC	Yes	19.11.24	126	19	63	63	04.12.24	1	1	0	15	2	FM/NBC	Road/Trek
		13.Tiugari	149	287	Usino HC	Yes	20.11.24	319	65	155	155	10.12.24	1	1	0	4	1	FM/NBC	Road/Trek
		14.Vianive	180	0	Usino HC														Abandoned
		15.Bonombu	185	193	Usino HC	Yes	19.11.24	238	27	116	116	08.12.24	1	1	0	18	7	FM/NBC	Road/Trek
		16.Kaunakoro	172	95	Usino HC	Yes	19.11.24	318	50	156	156	06.12.24	1	1	0	27	4	FM/NBC	Road/Trek
		17. Waguwagi		48	Usino HC	Yes	19.11.24	48	8	26	26	13.12.24	1	1	0	0	0	FM/NBC	Road/Trek
				0															

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USINO RURAL			81,688	84,150				82,596	21,088	41,554	41,391		160	147	36	8,512	916	139	
1	BUMBU		2,133	6,738				7,967	1,557	3,832	3,832		2	2	2	1,178	298		
		1.Bopirumpun	1,130	869	Gusap HC	Yes	19.11.24	1,090	248	534	534	01.03.25	1	1	1	168	82	NBC	Road
		2.Bumbu	1,004	5,868	Gusap HC	Yes	19.11.24	6,877	1,309	3,298	3,298	01.03.25	1	1	1	1,010	216	NBC	Road
2	SANKIAN		2,295	3,054				2,337	547	1,165	1,165		3	3	3	295	27		
		1.Musuam	896	784	Gusap HC	Yes	18.11.24	727	148	357	357	07.03.25	1	1	1	101	14	NBC	Road
		2.Sankain	1,264	1,676	Gusap HC	Yes	18.11.24	1,368	349	687	687	04.03.25	1	1	1	186	13	NBC	Road
		3.Simuak	136	594	Gusap HC	Yes	18.11.24	242	50	121	121	05.03.25	1	1	1	8	0	NBC	Road
3	DUMPU		2,185	4,748				4,781	5,911	2,379	2,379		6	6	6	763	38		
		1.Abikal	131	378	Gusap HC	Yes	19.11.24	495	92	241	241	06.03.25	1	1	1	50	4	NBC	Road
		2.Bembe	401	285	Gusap HC	Yes	19.11.24	262	49	124	124	06.03.25	1	1	1	48	0	NBC	Road
		3.Dumpu	780	2,017	Gusap HC	Yes	19.11.24	1,630	5,302	839	839	06.03.25	1	1	1	338	14	NBC	Road
		4.Menia Downa can	872	517	Gusap HC	Yes	19.11.24	425	79	200	200	06.03.25	1	1	1	54	6	NBC	Road
		5.Tatarapo		246	Gusap HC														Duplicate names
		6.Surinam		0	Gusap HC														Duplicate names
		7.Tatarapo		230	Gusap HC	Yes	19.11.24	422	90	206	206	06.03.25	1	1	1	85	10	NBC	Road
		8.Surinam		1,076	Gusap HC	Yes	19.11.24	1,547	299	769	769	05.03.25	1	1	1	188	4	NBC	Road
4	KESAWAI		1,274	1,136				1,199	244	619	619		1	1	0	57	6		
		1.Kesawai 1	1,274	1,136	Sausi HC	Yes	04.11.24	1,199	244	619	619	14.02.25	1	1	0	57	6	NBC	Road/Trek
5	ALIVETI		996	831				786	158	375	375		4	4	0	9	20		
		1.Aliveti	190	193	Sausi HC	Yes	04.11.24	151	36	71	71	16.02.25	1	1	0	1	18	NBC	Road/Trek
		2.Korigel	319	216	Sausi HC	Yes	05.11.24	339	66	160	160	16.02.25	1	1	0	4	1	NBC	Road/Trek
		3.Waimeriba	190	172	Sausi HC	Yes	04.11.24	64	13	31	31	16.02.25	1	1	0	4	0	NBC	Road/Trek
		4.Maria	296	250	Sausi HC	Yes	04.11.24	232	43	113	113	16.02.25	1	1	0	0	1	NBC	Road/Trek
6	KOROBA		1,783	3,036				2,978	532	1,526	1,526		3	3	0	162	37		
		1.Asas	759	1,644	Sausi HC	Yes	04.11.24	1,568	284	817	817	15.02.25	1	1	0	68	10	NBC	Road/Trek
		2.Koroba	1,024	916	Sausi HC	Yes	04.11.24	931	180	470	470	15.02.25	1	1	0	59	17	NBC	Road/Trek
		3.Saiba		476	Sausi HC	Yes	04.11.24	479	68	239	239	15.02.25	1	1	0	35	10	NBC	Road/Trek
7	SAUSI		2,496	2,308				2,032	383	1,046	1,046		4	4	0	178	2		
		1.Sausi	751	580	Sausi HC	Yes	04.11.24	617	117	323	323	20.11.24	1	1	0	26	0	NBC	Road/Trek
		2.Sausi 2	1,745	1,205	Sausi HC	Yes	04.11.24	1,021	172	516	516	19.11.24	1	1	0	134	2	NBC	Road/Trek
		3.Mauno		363	Sausi HC	Yes	04.11.24	263	61	137	137	18.11.24	1	1	0	13	0	NBC	Road/Trek
		4.Masi		160	Sausi HC	Yes	04.11.24	131	33	70	70	18.11.24	1	1	0	5	0	NBC	Road/Trek
8	KORONA		1,912	1,559				1,573	304	807	807		4	4	0	121	1		
		1.Korona	728	378	Sausi HC	Yes	04.11.24	513	93	271	271	20.02.25	1	1	0	62	0	NBC	Road/Trek
		2.Matoloi	450	474	Sausi HC	Yes	04.11.24	408	80	209	209	20.02.25	1	1	0	9	1	NBC	Road/Trek
		3.Sana	363	317	Sausi HC	Yes	04.11.24	316	54	157	157	18.02.25	1	1	0	13	0	NBC	Road/Trek
		4.Ongoru	371	389	Sausi HC	Yes	04.11.24	336	77	170	170	20.02.25	1	1	0	37	0	NBC	Road/Trek
9	YAKOMBU		2,627	3,299				3,016	567	1,598	1,610		3	3	0	264	6		
		1.Origina	1,495	1,917	Walium HC	Yes	05.11.24	1,785	369	956	968	13.02.25	1	1	0	175	1	FM 100	Road/Trek
		2.Yakumbu	1,132	891	Sausi HC	Yes	04.11.24	621	99	312	312	18.11.24	1	1	0	53	3	NBC	Road/Trek
		3.Asmabu		491	Sausi HC	Yes	04.11.24	610	99	330	330	18.02.25	1	1	0	36	2	NBC	Road/Trek
10	WALIUM		1,418	2,241				2,080	302	1,061	1,082		1	1	0	166	11		
		1.Walium St	1,418	2,241	Walium HC	Yes	05.11.24	2,080	302	1,061	1,082	13.02.25	1	1	0	166	11		Road
11	KURAGINA		1,794	2,380				2,145	416	1,117	1,117		8	5	2	215	57		
		1.Kuragina	234	277	Walium HC	Yes	05.11.24	214	50	114	114	13.02.25	1	1	0	21	13		Road
		2.Pieri	41	334	Walium HC	Yes	05.11.24	343	57	175	175	13.02.25	1	1	0	43	4		Road
		3.Raimabana	337	256	Walium HC	Yes	05.11.24	152	50	92	92	13.02.25	1	1	1	16	0	100 FM	Road
		4.Uria	546	489	Walium HC	Yes	05.11.24	320	66	162	162	13.02.25	1	1	0	14	0		Road
		5.Wiyae	262	0	Walium HC								1						Included under Naru

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		6.Yapie	80	0	Walium HC								1						Included under Naru
		7.Orumuge	293	0	Walium HC								1						Included under Naru
		8. Naru		1,024	Walium HC	Yes	05.11.24	1,116	193	574	574	13.02.25	1	1	1	121	40	93 FM	Road
12	WAPUT		2,198	2,572				2,215	473	1,135	1,178		3	3	0	188	4		
		1.Danaru	661	740	Walium HC	Yes	05.11.24	591	144	317	327	12.02.25	1	1	0	71	0		Road/Trek
		2.Waput	865	876	Walium HC	Yes	05.11.24	795	159	393	412	12.02.25	1	1	0	74	3		Road/Trek
		3.Koiye Camp	672	956	Walium HC	Yes	05.11.24	829	170	425	439	12.02.25	1	1	0	43	1		Road/Trek
13	PUKSAK		1,343	1,682				1,881	454	1,006	1,006		3	3	1	208	20		
		1.Igurue	610	747	Walium HC	Yes	05.11.24	822	189	425	425	13.02.25	1	1	0	67	0		Road/Trek
		2.Puksak	340	462	Walium HC	Yes	05.11.24	481	117	273	273	12.02.25	1	1	0	29	0		Road/Trek
		3.Tabobo	394	473	Walium HC	Yes	06.11.24	578	148	308	308	16.02.25	1	1	1	112	20	93 FM	Road/Trek
14	NARU		1,688	1,660				1,647	315	823	823		3	3	0	88	13		
		1.Biribirie	558	469	Walium HC	Yes	06.11.24	491	100	249	249	15.02.25	1	1	0	14	0	93 FM	Road/Trek
		2.Nugu	466	565	Walium HC	Yes	06.11.24	515	110	260	260	13.02.25	1	1	0	38	9	93 FM	Road/Trek
		3.Poine	664	626	Walium HC	Yes	06.11.24	641	105	314	314	13.02.25	1	1	0	36	4	93 FM	Road/Trek
15	SOMAU		1,801	1,830				1,547	266	786	786		4	4	0	47	8		
		1.Iwaiwa	458	457	Walium HC	Yes	06.11.24	367	62	187	187	18.02.25	1	1	0	16	4	93 FM	Road/Trek
		2.Sumau	558	621	Walium HC	Yes	07.11.24	530	98	277	277	18.02.25	1	1	0	2	1		Road/Trek
		3.Uria	610	486	Walium HC	Yes	06.11.24	421	72	207	207	18.02.25	1	1	0	5	0	100 FM	Road/Trek
		4.Iwam	175	267	Walium HC	Yes	06.11.24	229	34	115	115	18.02.25	1	1	0	24	3	93 FM	Road/Trek
16	MOPO		1,567	2,410				1,788	334	919	919		3	3	0	95	15		
		1.Ibinoro	443	994	Walium HC	Yes	06.11.24	476	75	234	234	18.02.25	1	1	0	19	2	93 FM	Road/Trek
		2.Totopa	798	665	Walium HC	Yes	06.11.24	721	150	385	385	18.02.25	1	1	0	50	7	93 FM	Road/Trek
		3.Mopo	327	751	Walium HC	Yes	06.11.24	591	109	300	300	18.02.25	1	1	0	26	6	93 FM	Road/Trek
17	ANIMINIK		1,444	925				898	201	430	435		3	3	0	121	15		
		1.Amasua	564	378	Begesin HC	Yes	08.11.24	394	77	189	194	08.12.24	1	1	0	46	13	NBC	Road/Trek
		2.Animinik	435	293	Begesin HC	Yes	08.11.24	279	81	133	135	08.12.24	1	1	0	38	1	NBC	Road/Trek
		3.Inamtap	445	255	Begesin HC	Yes	08.11.24	225	43	108	106	08.12.24	1	1	0	37	1	NBC	Road/Trek
18	NEGERI		2,409	1,865				2,032	336	972	805		7	7	1	181	39		
		1.Aigut	347	256	Begesin HC	Yes	09.11.24	418	46	200	122	05.12.24	1	1	0	20	6	NBC	Trek
		2.Negeri	502	323	Begesin HC	Yes	08.11.24	285	51	136	114	05.12.24	1	1	0	19	4	NBC	Trek
		3.Gasua	407	329	Begesin HC	Yes	09.11.24	480	65	230	182	05.12.24	1	1	0	44	14	NBC	Trek
		4.Omawa	291	89	Begesin HC	Yes	08.11.24	215	42	103	102	04.12.24	1	1	0	23	9	NBC	Trek
		5.Tutua Kumusi	497	321	Begesin HC	Yes	10.11.24	259	50	124	104	04.12.24	1	1	0	28	0	NBC	Trek
		6.Yarwea	257	264	Begesin HC	Yes	08.11.24	257	65	123	127	05.12.24	1	1	0	36	4	NBC	Trek
		7.Negeri Com.Sch	108	285	Begesin HC	Yes	10.11.24	118	17	56	54	05.12.24	1	1	1	11	2	NBC	Trek
19	BEGESIN		1,328	1,059				1,027	228	492	481		3	3	1	126	80		
		1.Aupio	450	409	Begesin HC	Yes	08.11.24	350	78	168	163	20.11.24	1	1	0	45	5	NBC	Trek
		2.Begesin	538	345	Begesin HC	Yes	08.11.24	403	87	193	184	20.11.24	1	1	0	53	59	NBC	Trek
		3.Bokwa	340	304	Begesin HC	Yes	08.11.24	274	63	131	134	19.11.24	1	1	1	28	16	NBC	Trek
20	KOINEGUL		1,127	852				919	607	438	428		4	4	0	119	12		
		1.Ensuru	198	238	Begesin HC	Yes	07.11.24	231	43	110	103	18.11.24	1	1	0	32	2	NBC	Trek
		2.Sai	288	323	Begesin HC	Yes	07.11.24	353	471	169	162	19.11.24	1	1	0	33	4	NBC	Trek
		3.Uirai	399	153	Begesin HC	Yes	07.11.24	144	29	69	67	18.11.24	1	1	0	21	0	NBC	Trek
		4.konengul	242	139	Begesin HC	Yes	08.11.24	191	64	90	96	18.11.24	1	1	0	33	6	NBC	Trek
21	BAISOP		733	665				604	116	288	292		3	3	0	75	7		
		1.Baisop	391	224	Begesin HC	Yes	08.11.24	297	41	142	143	18.11.24	1	1	0	23	0	NBC	Trek
		2.Olsok	229	284	Begesin HC	Yes	08.11.24	172	46	82	83	18.11.24	1	1	0	26	1	NBC	Trek
		3.Manipur Luth.Miss	113	157	Begesin HC	Yes	07.11.24	135	29	64	66	07.12.24	1	1	0	26	6	NBC	Trek
22	KUNDUK		831	961				801	279	384	432		2	2	0	127	6		

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		1.Kasual	589	811	Begesin HC	Yes	08.11.24	703	233	337	376	19.11.24	1	1	0	102	6	NBC	Trek
		2.Kunduk	242	150	Begesin HC	Yes	12.11.24	98	46	47	56	18.11.24	1	1	0	25	0	NBC	Trek
23	EUNIME		1,963	1,493				1,366	287	654	652		3	2	0	138	24		
		1.Eunime	574	343	Begesin HC	Yes	12.11.24	283	100	135	150	08.12.24	1						Trek
		2.Owour	682	534	Begesin HC	Yes	07.11.24	640	113	307	293	08.12.24	1	1	0	87	20	NBC	Trek
		3.Sanawai	708	616	Begesin HC	Yes	07.11.24	443	74	212	209	08.12.24	1	1	0	51	4	NBC	Trek
24	KOMAS		1,696	957				1,003	222	493	493		5	5	0	56	0		
		1.Beire	733	515	Usino HC2	Yes	18.11.24	486	100	235	235	03.12.24	1	1	0	21	0	FM/NBC	Road/Trek
		2.Komas	304	121	Usino HC2	Yes	18.11.24	134	34	70	70	03.12.24	1	1	0	9	0	FM/NBC	Road/Trek
		3.Suatoboro	273	150	Usino HC2	Yes	18.11.24	111	29	51	51	01.12.24	1	1	0	12	0	FM/NBC	Road/Trek
		4.Merioi	386	67	Usino HC2	Yes	18.11.24	177	38	91	91	03.12.24	1	1	0	8	0	FM/NBC	Road/Trek
		5.Kiktere		103	Usino HC2	Yes	18.11.24	95	21	46	46	03.12.24	1	1	0	6	0	FM/NBC	Road/Trek
25	IGOI		1,230	1,150				1,322	242	643	643		5	5	0	227	0		
		1.Arimori	437	485	Usino HC2	Yes	27.11.24	436	76	207	207	12.12.24	1	1	0	75	0	FM/NBC	Road/Trek
		2.Dunuba	221	146	Usino HC2	Yes	30.11.24	222	47	106	106	09.12.24	1	1	0	43	0	FM/NBC	Road/Trek
		3.Igoi	376	360	Usino HC2	Yes	28.11.24	287	50	141	141	11.12.24	1	1	0	48	0	FM/NBC	Road/Trek
		4.Kepsau	196	101	Usino HC2	Yes	30.11.24	157	28	75	75	11.12.24	1	1	0	28	0	FM/NBC	Road/Trek
		5. Saisob		58	Usino HC2	Yes	29.11.24	220	41	114	114	10.12.24	1	1	0	33	0	FM/NBC	Road/Trek

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
26	USINO STATION		1,701	3,888				4,109	725	2,045	2,045		11	11	0	606	0		
		1.Aurarag,Naurag	453	169	Usino HC2	Yes	18.11.24	125	20	65	65	03.12.24	1	1	0	0	0	FM/NBC	Road
		2.Usino station	1,248	1,198	Usino HC2	Yes	18.11.24	823	163	409	409	03.12.24	1	1	0	149	0	FM/NBC	Road
		4.Gomodo		89	Usino HC2	Yes	18.11.24	214	50	109	109	03.12.24	1	1	0	31	0	FM/NBC	Road
		5.Asam		209	Usino HC2	Yes	18.11.24	230	48	114	114	03.12.24	1	1	0	0	0	FM/NBC	Road
		6.Garia Camp		154	Usino HC2	Yes	18.11.24	321	45	159	159	03.12.24	1	1	0	31	0	FM/NBC	Road
		7.Tutere		357	Usino HC2	Yes	18.11.24	369	50	182	182	03.12.24	1	1	0	43	0	FM/NBC	Road
		8.Urox		149	Usino HC2	Yes	18.11.24	166	26	79	79	03.12.24	1	1	0	23	0	FM/NBC	Road
		9. Aiome Camp		187	Usino HC2	Yes	18.11.24	202	33	106	106	03.12.24	1	1	0	32	0	FM/NBC	Road
		10. Yati		225	Usino HC2	Yes	18.11.24	386	75	186	186	02.12.24	1	1	0	48	0	FM/NBC	Road
		11. Banu		967	Usino HC2	Yes	18.11.24	1,030	173	522	522	09.12.24	1	1	0	211	0	FM/NBC	Road
		12. Yamagi		184	Usino HC2	Yes	18.11.24	243	42	114	114	02.12.24	1	1	0	38	0	FM/NBC	Road
27	BOKO		2,710	2,178				1,961	376	960	960		4	4	0	246	0		
		1.Bigei	600	140	Usino HC2	Yes	18.11.24	173	32	89	89	03.12.24	1	1	0	0	0	FM/NBC	Road/Trek
		2.Boko	674	285	Usino HC2	Yes	18.11.24	200	35	101	101	02.12.24	1	1	0	32	0	FM/NBC	Road/Trek
		3.Usino	957	1,289	Usino HC2	Yes	18.11.24	1,131	225	531	531	03.12.24	1	1	0	151	0	FM/NBC	Road/Trek
		4.Manikara	479	464	Usino HC2	Yes	18.11.24	457	84	239	239	02.12.24	1	1	0	63	0	FM/NBC	Road/Trek
28	GARALIGUT		1,330	1,228				1,110	201	532	532		2	2	0	148	0		
		1.Bil	543	607	Usino HC2	Yes	18.11.24	579	87	271	271	01.12.24	1	1	0	61	0	FM/NBC	Road
		2.Garaligut	787	621	Usino HC2	Yes	18.11.24	531	114	261	261	01.12.24	1	1	0	87	0	FM/NBC	Road/Trek
29	MUSAK		1,624	1,634				1,961	347	939	939		5	5	0	179	0		
		1.Banam	152	127	Usino HC2	Yes	18.11.24	194	28	95	95	08.12.24	1	1	0	17	0	FM/NBC	Road/Boat/Trek
		2.Kikirai	257	366	Usino HC2	Yes	18.11.24	383	69	178	178	08.12.24	1	1	0	30	0	FM/NBC	Road/Boat/Trek
		3.Musak	677	728	Usino HC2	Yes	21.11.24	712	122	338	338	07.12.24	1	1	0	73	0	FM/NBC	Road/Boat/Trek
		4.Sepu	275	335	Usino HC2	Yes	18.11.24	447	84	222	222	06.12.24	1	1	0	27	0	FM/NBC	Road/Boat
		5.Lainbuai	262	79	Usino HC2	Yes	18.11.24	225	44	106	106	07.12.24	1	1	0	32	0	FM/NBC	Road/Boat
30	KUKAPANG		878	924				919	279	500	500		4	4	0	0	47		
		1.Kukapang	147	218	Junkaral AS	Yes	26.11.24	211	74	119	119	30.11.24	1	1	0	0	0	NBC	River/Trek/Usino HC
		2.Yangar	136	165	Junkaral AS	Yes	26.11.24	323	100	178	178	01.12.24	1	1	0	0	0	NBC	River/Trek/Usino HC
		3.Wukul	594	313	Junkaral AS	Yes	26.11.24	153	32	77	77	30.12.24	1	1	0	0	19	NBC	River/Trek/Usino HC
		3.Kinder		229	Junkaral AS	Yes	26.11.24	232	73	126	126	30.11.24	1	1	0	0	28	NBC	River/Trek/Usino HC
31	YIMA (FOROGO)		1,215	992				938	138	470	470		1	1	0	97	6		
		1.Aingdai	1,215	992	Kanainj AS	Yes	28.11.24	938	138	470	470	04.12.24	1	1	0	97	6	NBC - Madang	Helicopter/Trek
32	AMBISIBA		2,177	1,653				1,525	202	760	760		2	2	0	123	14		
		1.Ambisiba	1,050	727	Kanainj AS	Yes	28.11.24	589	87	291	291	05.12.24	1	1	0	34	1	NBC - Madang	Helicopter/Trek
		2.Komaraga	1,127	926	Kanainj AS	Yes	28.11.24	936	115	469	469	05.12.24	1	1	0	89	13	NBC - Madang	Helicopter/Trek
33	KANAINJ		2,120	1,264				1,256	166	629	629		3	0	0	84	9		
		1.Kanaij	782	463	Kanainj AS	Yes	27.11.24	381	50	191	191	02.12.24	1	0	0	28	0	NBC - Madang	Helicopter/Trek
		2.Kanaij Ang.Miss.	726	520	Kanainj AS	Yes	27.11.24	657	82	329	329	02.12.24	1	0	0	44	6	NBC - Madang	Helicopter/Trek
		3.Kanaij Com.Sch	612	280	Kanainj AS	Yes	27.11.24	218	34	109	109	03.12.24	1	0	0	12	3	NBC - Madang	Helicopter/Trek
34	KINIBONG		2,059	1,641				1,739	261	933	933		1	1	0	0	9		
		1.Kinibong	2,059	1,641	Kombaku AS	Yes	25.11.24	1,739	261	933	933	04.12.24	1	1	0	0	9	FM 100	Trek
35	GAI		3,549	1,567				1,537	250	826	826		2	2	0	0	0		
		1.Tsembaga	1,436	946	Kombaku AS	Yes	25.11.24	868	148	466	466	04.12.24	1	1	0	0	0	FM 100	Trek
		2.Gai	2,113	621	Kombaku AS	Yes	25.11.24	669	102	360	360	04.12.24	1	1	0	0	0	FM 100	Trek
36	BANK		1,117	1,017				955	147	510	510		1	1	0	0	0		
		1.Bank	1,117	1,017	Kombaku AS	Yes	26.11.24	955	147	510	510	03.12.24	1	1	0	0	0	FM 100	Trek
37	USERUK		787	690				761	129	364	364		3	1	0	0	0		
		1.Asmisin	360	103	Aiome HC								1						Included with Atembi Middle Ramu

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
		2.lai	124	246	Aiome HC	Yes	30.11.24	232	54	116	116	11.12.24	1	1	0				Road/Trek
		3.Useruk	304	341	Aiome HC	Yes	02.12.24	529	75	248	248	11.12.24	1						Road/Trek
38	WABU		1,405	1,008				1,075	198	543	543		3	2	0	0	0		
		1.Andiku	520	200	Aiome HC	Yes	01.12.24	177	30	87	87	10.12.24	1	1	0				Road/Trek
		2.Kwaringuru	463	476	Aiome HC	Yes	01.12.24	332	63	165	165	10.12.24	1	1	0				Road/Trek
		3.Wabu	422	333	Aiome HC	Yes	01.12.24	566	105	291	291	10.12.24	1						Road/Trek
39	GARISAKAN \ UMERUM		1,382	2,575				2,512	445	1,250	1,250		5	2	0	206	51		
		1.Galिकासan	538	1,004	Utu HC	Yes	08.11.24	937	178	470	470	13-14.11.24	1	1	0	117	27	FM 100	Road / trek
		2.Gaum	237	267	Utu HC	Yes	07.11.24	372	67	182	182	14.11.24	1	0	0	33	1	FM 100	Road / trek
		3.Mange	108	422	Utu HC	Yes	08.11.24	345	65	169	169	13-14.11.24	1	0	0	13	3	FM 100	Road
		4.Singep	314	406	Utu HC	Yes	07.11.24	407	58	197	197	13-14.11.24	1	0	0	12	7	FM 100	Road
		5.Umerum	185	477	Utu HC	Yes	07.11.24	451	77	232	232	13-14.11.24	1	1	0	31	13	FM 100	Road
40	GUNTS		1,783	2,270				1,803	366	1,056	950		3	3	0	0	0	FM 100	
		1.Gundai	728	1,192	Kombaku AS	Yes	27.11.24	1,123	230	595	595	03.12.24	1	1	0	0	0	FM 100	Trek
		2.Gunts	741	654	Kombaku AS	Yes	27.11.24	513	100	267	267	04.12.24	1	1	0	0	0		Trek
		3.Fogaikimp	314	424	Kombaku AS	Yes	27.11.24	167	36	194	88	04.12.24	1	1	0	0	0		Trek
41	RAMU SUGAR URBAN		13,579	8,207				8,491	1,577	4,249	4,249		20	20	20	1,619	34		
		1.Saksak,Saraoa,Go	762	288	Gusap HC	Yes	19.11.24	254	45	134	134	03.03.25	1	1	1	45	0	NBC	Road
		2.Perinda Hamlet	458	155	Gusap HC	Yes	19.11.24	127	26	64	64	03.03.25	1	1	1	28	0	NBC	Road
		3.Kanai Hamlet	450	125	Gusap HC	Yes	19.11.24	207	34	102	102	03.03.25	1	1	1	32	0	NBC	Road
		4.Muruk A&B	1,055	504	Gusap HC	Yes	19.11.24	517	106	267	267	03.03.25	1	1	1	101	6	NBC	Road
		5.Kumul/Malalo	1,374	307	Gusap HC	Yes	19.11.24	83	19	42	42	03.03.25	1	1	1	5	0	NBC	Road
		6.Koki Village	1,688	564	Gusap HC	Yes	19.11.24	482	100	241	241	03.03.25	1	1	1	100	4	NBC	Road
		7.Lanu Village	980	261	Gusap HC	Yes	19.11.24	224	50	116	116	03.03.25	1	1	1	47	0	NBC	Road
		8.Tarangau	654	258	Gusap HC	Yes	19.11.24	264	61	133	133	03.03.25	1	1	1	59	2	NBC	Road
		9.Warias	1,145	195	Gusap HC	Yes	19.11.24	176	34	88	88	03.03.25	1	1	1	16	0	NBC	Road
		10.Bora	435	2,277	Gusap HC	Yes	19.11.24	2,050	427	1,025	1,025	03.03.25	1	1	1	379	0	NBC	Road
		11.Sios Compound	1,593	879	Gusap HC	Yes	19.11.24	1,034	141	505	505	03.03.25	1	1	1	168	0	NBC	Road
		12.Popo	237	157	Gusap HC	Yes	19.11.24	88	17	41	41	03.03.25	1	1	1	168	0	NBC	Road
		13.Kavar	257	185	Gusap HC	Yes	19.11.24	123	21	64	64	03.03.25	1	1	1	20	5	NBC	Road
		14.Kapul/Pilipino	540	212	Gusap HC	Yes	19.11.24	209	37	105	105	03.03.25	1	1	1	34	0	NBC	Road
		15.Sembao	219	278	Gusap HC	Yes	19.11.24	69	14	35	35	03.03.25	1	1	1	14	0	NBC	Road
		16.Kaukau	502	144	Gusap HC	Yes	19.11.24	162	25	79	79	03.03.25	1	1	1	22	0	NBC	Road
		17.Pukpuk village	250	200	Gusap HC	Yes	19.11.24	261	50	128	128	03.03.25	1	1	1	44	0	NBC	Road
		18.Kulao/Kanda/kia	484	225	Gusap HC	Yes	19.11.24	60	9	33	33	03.03.25	1	1	1	9	0	NBC	Road
		19.Rai Coast Sttlmn	497	882	Gusap HC	Yes	19.11.24	2,023	347	1,004	1,004	03.03.25	1	1	1	315	17	NBC	Road
		20: Lanu (Guard Dog Compour		111	Gusap HC	Yes	19.11.24	78	14	43	43	03.03.25	1	1	1	13	0	NBC	Road

Annexure 4
MADANG PROVINCE
SUMKAR DISTRICT
LLIN DISTRIBUTION SUMMARY SHEET

LLG	WARD	VILLAGE	Estimated 2024 Population Based On 2000 Census	Estimated Population 2024 Based On 2021 Survey	Health Centre	Volunteer Form Completed	Date Of Survey	Population Surveyed	House Holds Surveyed	LLINs Allocated	Nets Issued	Date Of Distribution	Villages	Digicel	Bmobile	Houses With Phones	Houses With Radios	Radio Networks	Comments
SUMKAR			1,37,944	1,37,944				1,27,494	24,171	63,763	65,234		229	222	34	15,414	6,774	174	
KARKAR RURAL			83,101	75,010				71,323	14,049	35,892	37,042		110	108	34	7,308	2,379	88	
1	WARD 1		1,144	1,221				1,214	238	600	600		2	1	0	161	14		Bagabag HC - Lutheran
		1.Badiliu	794	858	Bagabag HC	Yes	09.02.25	840	160	410	410	21.02.25	1	1	0	108	6	NBC, FM100	Sea
		2.Yau Pltn	350	363	Bagabag HC	Yes	08.02.25	374	78	190	190	21.02.25	1	0	0	53	8		Sea
2	WARD 2		1,819	1,703				1,718	313	878	878		2	2	0	124	5		
		1.Matiu 2	1,072	1,023	Bagabag HC	Yes	08.02.25	966	179	488	488	24.02.25	1	1	0	41	5	FM100	Sea
		2.Matiu 1	747	680	Bagabag HC	Yes	08.02.25	752	134	390	390	20.02.25	1	1	0	83	0	NBC	Sea
3	WARD 3		1,640	1,354				1,124	207	564	581		3	3	0	183	0		
		1.Apare	533	444	Miak HC	Yes	12.02.25	369	63	185	192	24.02.25	1	1	0	62	0	NBC Madang	Sea/Road
		2.Sikentika	597	464	Miak HC	Yes	11.02.25	348	64	175	180	24.02.25	1	1	0	64	0	NBC Madang	Sea/Road
		3.Tarak	510	445	Miak HC	Yes	11.02.25	407	80	204	209	25.02.25	1	1	0	57	0	NBC Madang	Sea/Road
4	WARD 4		3,427	2,927				2,749	572	1,377	1,455		4	4	0	554	0		
		1.Dorokatam	549	548	Miak HC	Yes	10.02.25	548	130	274	286	27.02.25	1	1	0	128	0	NBC Madang	Sea/Road
		2.Kaviak	1,506	1,262	Miak HC	Yes	10.02.25	1,126	248	565	606	03.03.25	1	1	0	231	0	NBC Madang	Sea/Road
		3.Kinim	767	673	Miak HC	Yes	10.02.25	642	130	321	342	27.02.25	1	1	0	123	0	NBC Madang	Sea/Road
		4.Kavaik Pltn	605	444	Miak HC	Yes	10.02.25	433	64	217	221	27.02.25	1	1	0	72	0	NBC Madang	Sea/Road
5	WARD 5		1,204	651				550	91	276	289		3	3	0	97	0		
		1.Karkar High Sch	72	195	Miak HC	Yes	10.02.25	139	27	70	73	04.03.25	1	1	0	27	0	NBC Madang	Sea/Road
		2.Kinim Sttn	444	250	Miak HC	Yes	11.02.25	200	30	100	106	27.02.25	1	1	0	36	0	NBC Madang	Sea/Road
		3.Miak Sttn&kkhs	687	205	Miak HC	Yes	10.02.25	211	34	106	110	04.03.25	1	1	0	34	0	NBC Madang	Sea/Road
6	WARD 6		2,236	1,456				1,387	250	695	718		2	1	0	139	1		
		1.Narer	2,181	1,356	Miak HC	Yes	11.02.25	1,387	250	695	718	25.02.25	1	1	0	139	1	NBC Madang	Sea/Road
		2.Narer Primary Sch	56	100	Miak HC	Yes							1						Included Under Narer
7	WARD 7		3,411	3,069				2,691	526	1,310	1,372		3	3	0	396	28		
		1.Urara	481	500	Miak HC	Yes	11.02.25	495	100	249	261	24.02.25	1	1	0	99	0	NBC Madang	Sea/Road
		2.Urugen	2,888	2,303	Miak HC	Yes	11.02.25	2,086	404	1,006	1,054	24.02.25	1	1	0	279	20	NBC Madang	Sea/Road
		3.Malagu Com.Sch	41	266	Miak HC	Yes	14.02.25	110	22	55	57	24.02.25	1	1	0	18	8	NBC Madang	Sea/Road
8	WARD 8		2,144	1,815				1,590	337	800	842		4	4	0	325	0		
		1.Bangme	1,436	822	Miak HC	Yes	12.02.25	602	136	301	319	27.02.25	1	1	0	133	0	NBC Madang	Sea/Road
		2.Langlang	677	501	Miak HC	Yes	11.02.25	439	100	223	238	27.02.25	1	1	0	95	0	NBC Madang	Sea/Road
		3.Langlang Com.Sch	31	131	Miak HC	Yes	12.02.25	77	14	39	39	27.02.25	1	1	0	13	0	NBC Madang	Sea/Road
		4. Ilu Primary School		360	Miak HC	Yes	11.02.25	472	87	237	246	27.02.25	1	1	0	84	0	NBC Madang	Sea/Road
9	WARD 9		2,487	1,606				1,678	330	841	901		2	2	0	296	0		
		1.Gial	1,514	839	Miak HC	Yes	12.02.25	942	196	472	504	25.02.25	1	1	0	154	0	NBC Madang	Sea/Road
		2.Koropak	973	767	Miak HC	Yes	10.02.25	736	134	369	397	25.02.25	1	1	0	142	0	NBC Madang	Sea/Road
10	WARD 10		2,121	2,142				1,672	384	788	898		3	3	0	0	0		
		1.Deldigu	525	791	Mapor HC	Yes	13.02.25	477	107	224	251	26.02.25	1	1	0	0	0		Sea/Road
		2.Tugutugu	757	592	Mapor HC	Yes	13.02.25	603	166	286	330	26.02.25	1	1	0	0	0		Sea/Road
		3.Kulili Pltn	839	759	Mapor HC	Yes	13.02.25	592	111	278	317	26.02.25	1	1	0	0	0		Sea/Road
11	WARD 11		2,755	2,178				1,852	409	870	989		3	3	0	0	0		
		1.Dimer	1,220	566	Mapor HC	Yes	13.02.25	709	126	333	371	25.02.25	1	1	0	0	0		Sea/Road
		2.Sangana	1,465	1,519	Mapor HC	Yes	13.02.25	1,077	272	506	583	25.02.25	1	1	0	0	0		Sea/Road
		3.Taleng Prim.Sch	70	93	Mapor HC	Yes	13.02.25	66	11	31	35	25.02.25	1	1	0	0	0		Sea/Road
12	WARD 12		2,428	2,091				1,926	382	905	1,007		3	3	0	0	0		
		1.Kaul 1	1,362	1,198	Mapor HC	Yes	12.02.25	1,051	201	494	548	24.02.25	1	1	0	0	0		Sea/Road
		2.kaul 2	994	815	Mapor HC	Yes	12.02.25	828	172	389	432	24.02.25	1	1	0	0	0		Sea/Road
		3.Dor Comm. Sch	72	77	Mapor HC	Yes	12.02.25	47	9	22	27	24.02.25	1	1	0	0	0		Sea/Road
13	WARD 13		3,466	3,511				3,227	661	1,547	1,723		4	4	0	0	0		
		1.Kaul 3	1,304	652	Mapor HC	Yes	12.02.25	948	184	472	493	24.02.25	1	1	0	0	0		Sea/Road
		2.Kaul 4&5	864	840	Mapor HC	Yes	12.02.25	628	119	300	343	24.02.25	1	1	0	0	0		Sea/Road

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		3.kaul 6	1,255	1,550	Mapor HC	Yes	13.02.25	1,594	348	750	856	01.03.25	1	1	0	0	0		Sea/Road
		4.Bumsol Com.Sch	43	469	Mapor HC	Yes	13.02.25	57	10	25	31	24.02.25	1	1	0	0	0		Sea/Road
14	WARD 14		2,703	2,459				2,167	452	1,021	1,142		4	4	0	0	0		
		1.Mapor	1,208	1,048	Mapor HC	Yes	12.02.25	937	209	440	493	01.03.25	1	1	0	0	0		Sea/Road
		2.Ngor	924	930	Mapor HC	Yes	13.02.25	860	158	405	450	27.02.25	1	1	0	0	0		Sea/Road
		3.Bulu Pltn	348	227	Mapor HC	Yes	12.02.25	222	50	104	115	27.02.25	1	1	0	0	0		Sea/Road
		4.Gaum Pltn	224	255	Mapor HC	Yes	12.02.25	148	35	72	84	27.02.25	1	1	0	0	0		Sea/Road
15	WARD 15		3,065	2,784				2,718	548	1,401	1,401		5	5	0	0	406		Sea/Road
		1.Muluk	854	911	Kulubob HC	Yes	12.02.25	858	162	438	438	05.03.25	1	1	0	0	111	NBC	Sea/Road
		2.Wadau	1,043	910	Kulubob HC	Yes	12.02.25	906	192	472	470	05.03.25	1	1	0	0	156	NBC	Sea/Road
		3.Kurubek	821	499	Kulubob HC	Yes	12.02.25	696	149	357	357	05.03.25	1	1	0	0	103	NBC	Sea/Road
		4.Abisan Com. Sch	62	153	Kulubob HC	Yes	12.02.25	105	19	54	56	05.03.25	1	1	0	0	17	NBC	Sea/Road
		5.Wadau Plnt	286	312	Kulubob HC	Yes	12.02.25	153	26	80	80	05.03.25	1	1	0	0	19	NBC	Sea/Road
16	WARD 16		2,454	2,552				2,401	457	1,264	1,246		3	3	0	0	282		
		1.kubam	1,181	1,126	Kulubob HC	Yes	12.02.25	1,017	190	528	528	06.03.25	1	1	0	0	87		Sea/Road
		2.Burag	630	610	Kulubob HC	Yes	12.02.25	688	128	359	356	06.03.25	1	1	0	0	99	NBC	Sea/Road
		3.Yukyuk	644	815	Kulubob HC	Yes	12.02.25	696	139	377	362	06.03.25	1	1	0	0	96	NBC	Sea/Road
17	WARD 17		2,335	2,731				2,262	484	1,297	1,308		6	6	0	0	268		
		1.Katom	948	1,221	Kulubob HC	Yes	12.02.25	884	200	587	588	07.03.25	1	1	0	0	133	NBC	Sea/Road
		2.kavailo	638	551	Kulubob HC	Yes	12.02.25	485	111	255	256	07.03.25	1	1	0	0	83	NBC	Sea/Road
		3.Baulik	175	336	Kulubob HC	Yes	12.02.25	326	67	166	169	07.03.25	1	1	0	0	35	NBC	Sea/Road
		4.Kaivailo Hamlet	179	239	Kulubob HC	Yes	12.02.25	209	38	106	108	07.03.25	1	1	0	0	0		Sea/Road
		5.kavilo Plnt	276	299	Kulubob HC	Yes	12.02.25	236	43	121	121	07.03.25	1	1	0	0	0		Sea/Road
		6.Taab Pltn	119	84	Kulubob HC	Yes	12.02.25	122	25	62	66	07.03.25	1	1	0	0	17	NBC	Sea/Road
18	WARD 18		2,012	2,042				2,439	435	1,252	1,226		4	4	0	0	352		
		1.Pain	282	422	Kulubob HC	Yes	12.02.25	386	73	197	197	08.03.25	1	1	0	0	52	NBC	Sea/Road
		2.Ulun 1&2	1,212	1,133	Kulubob HC	Yes	12.02.25	1,314	243	698	679	08.03.25	1	1	0	0	205	NBC	Sea/Road
		3.Warat	483	427	Kulubob HC	Yes	12.02.25	540	100	288	279	08.03.25	1	1	0	0	95	NBC	Sea/Road
		4.Kavilo Com.Sch	35	61	Kulubob HC	Yes	12.02.25	199	19	69	71	08.03.25	1	1	0	0	0	NBC	Sea/Road
19	WARD 19		1,806	1,735				1,724	332	887	869		1	1	0	0	195		
		1.komoria 1&2	1,806	1,735	Kulubob HC	Yes	12.02.25	1,724	332	887	869	09.03.25	1	1	0	0	195	NBC	Sea/Road
20	WARD 20		2,919	3,087				3,008	577	1,538	1,538		6	6	6	296	46		
		1.Dangsai	580	412	Gaubin Hosp	Yes	10.02.25	537	73	269	269	06.03.25	1	1	1	0	0	NBC - Madang	Sea/Road
		2.Daup	667	568	Gaubin Hosp	Yes	11.02.25	536	98	279	279	06.03.25	1	1	1	43	14	NBC - Madang	Road/2 Hr Trek
		3.Patilo	965	786	Gaubin Hosp	Yes	10.02.25	868	200	454	454	06.03.25	1	1	1	129	0	NBC - Madang	Sea/Road
		4.Babel	566	838	Gaubin Hosp	Yes	10.02.25	664	135	338	338	06.03.25	1	1	1	94	32	NBC - Madang	Sea/Road
		5.Dangsai Com.Sch	56	229	Gaubin Hosp	Yes	14.02.25	129	21	69	69	06.03.25	1	1	1	0	0	NBC - Madang	Sea/Road
		6.Biabi Pltn	86	255	Gaubin Hosp	Yes	10.02.25	274	50	129	129	06.03.25	1	1	1	30	0	NBC - Madang	Sea/Road
21	WARD 21		2,794	2,413				2,237	474	1,140	1,195		2	2	2	335	60		
		1.Biu	1,074	960	Gaubin Hosp	Yes	10.02.25	823	190	437	439	07.03.25	1	1	1	119	46	NBC - Madang	Sea/Road
		2.Dumad	1,720	1,453	Gaubin Hosp	Yes	10.02.25	1,414	284	703	756	07.03.25	1	1	1	216	14	NBC - Madang	Sea/Road
22	WARD 22		2,006	1,608				1,522	337	789	789		2	2	2	172	26		
		1.Did	1,654	1,364	Gaubin Hosp	Yes	10.02.25	1,276	286	661	661	07.03.25	1	1	1	122	26	NBC - Madang	Sea/Road
		2.Rigen	352	245	Gaubin Hosp	Yes	10.02.25	246	51	128	128	07.03.25	1	1	1	50	0	NBC - Madang	Sea/Road
23	WARD 23		3,641	2,991				3,136	597	1,598	1,598		3	3	3	444	314		
		1.Boroman	2,133	1,633	Gaubin Hosp	Yes	10.02.25	1,662	339	852	852	08.03.25	1	1	1	248	209	NBC - Madang	Sea/Road
		2.Gamog	1,450	1,186	Gaubin Hosp	Yes	10.02.25	1,210	208	606	606	08.03.25	1	1	1	146	55	NBC - Madang	Sea/Road
		3.Nitlon Com.Sch	58	173	Gaubin Hosp	Yes	11.02.25	264	50	140	140	08.03.25	1	1	1	50	50	NBC - Madang	Sea/Road
24	WARD 24		2,528	1,832				1,965	434	1,080	1,089		3	3	3	304	22		
		1.Kurum	1,829	1,560	Gaubin Hosp	Yes	10.02.25	1,344	333	698	698	09.03.25	1	1	1	216	18	NBC - Madang	Sea/Road
		2.Mileng Memorial	278	55	Gaubin Hosp	Yes	10.02.25	283	50	143	143	09.03.25	1	1	1	39	0	NBC - Madang	Sea/Road
		3.Gaubin Hosp.	422	216	Gaubin Hosp	Yes	10.02.25	338	51	239	248	09.03.25	1	1	1	49	4	NBC - Madang	Sea/Road
25	WARD 25		2,967	2,994				2,892	629	1,426	1,486		2	2	2	331	82		
		1.Liloi	1,967	2,016	Gaubin Hosp	Yes	10.02.25	1,996	458	980	1,040	09.03.25	1	1	1	270	68	NBC - Madang	Sea/Road
		2.Wakon	1,000	978	Gaubin Hosp	Yes	10.02.25	896	171	446	446	09.03.25	1	1	1	61	14	NBC - Madang	Sea/Road
26	WARD 26		3,232	3,323				3,016	534	1,473	1,469		4	4	4	351	70		

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		1.Marup 1	1,076	1,285	Gaubin Hosp	Yes	10.02.25	1,050	188	524	528	12.03.25	1	1	1	155	38	NBC - Madang	Sea/Road
		2.Marup 2	1,422	1,100	Gaubin Hosp	Yes	10.02.25	1,285	219	632	624	12.03.25	1	1	1	157	24	NBC - Madang	Sea/Road
		3.Midan	350	810	Gaubin Hosp	Yes	10.02.25	589	107	275	275	12.03.25	1	1	1	20	6	NBC - Madang	Sea/Road
		4.Numau Com.Sch	385	128	Gaubin Hosp	Yes	10.02.25	92	20	42	42	12.03.25	1	1	1	19	2	NBC - Madang	Sea/Road
27	WARD 27		1,963	1,842				1,703	313	867	867		2	2	2	663	41		
		1.Kevasop	1,924	1,540	Gaubin Hosp	Yes	10.02.25	1,350	260	694	694	11.03.25	1	1	1	629	30	NBC - Madang	Sea/Road
		2.Susuve Com.Sch	39	302	Gaubin Hosp	Yes	10.02.25	353	53	173	173	11.03.25	1	1	1	34	11	NBC - Madang	Sea/Road
28	WARD 28		1,646	1,656				1,466	272	751	751		3	3	3	170	2		
		1.Mangar 1	979	967	Gaubin Hosp	Yes	10.02.25	840	174	430	430	10.03.25	1	1	1	76	0	NBC - Madang	Sea/Road
		2.Mandar 2	549	637	Gaubin Hosp	Yes	10.02.25	592	93	305	305	10.03.25	1	1	1	89	2	NBC - Madang	Sea/Road
		3.Wokilon Pltn	117	52	Gaubin Hosp	Yes	14.02.25	34	5	16	16	10.03.25	1	1	1	5	0	NBC - Madang	Sea/Road
29	WARD 29		2,763	2,852				2,735	472	1,349	1,349		3	3	3	248	94		
		1.Bafor	1,555	1,596	Gaubin Hosp	Yes	12.02.25	1,475	274	723	723	11.03.25	1	1	1	114	41	NBC - Madang	Sea/Road
		2.kilden	963	1,014	Gaubin Hosp	Yes	10.02.25	1,064	165	527	527	11.03.25	1	1	1	110	53	NBC - Madang	Sea/Road
		3.Sabai	245	242	Gaubin Hosp	Yes	12.02.25	196	33	99	99	11.03.25	1	1	1	24	0	NBC - Madang	Sea/Road
30	WARD 30		2,775	2,729				2,689	495	1,369	1,369		4	4	4	359	57		
		1.Kuduk	1,712	1,543	Gaubin Hosp	Yes	10.02.25	1,489	312	736	736	10.03.25	1	1	1	214	56	NBC - Madang	Sea/Road
		2.Moban	990	1,086	Gaubin Hosp	Yes	10.02.25	1,003	154	493	493	10.03.25	1	1	1	131	1	NBC - Madang	Sea/Road
		3.Tabel Cath.miss&P/Sch	74	100	Gaubin Hosp	Yes	10.02.25	76	14	39	39	10.03.25	1	1	1	14	0	NBC - Madang	Sea/Road
		Mop Up Book			Gaubin Hosp	Yes	14.03.25	121	15	101	101	14.03.25	1	1	1	0	0	NBC - Madang	Sea/Road
31	WARD 31		3,185	2,660				3,089	561	1,547	1,601		6	6	0	461	9		
		1.Buson	887	843	Miak HC	Yes	11.02.25	935	185	468	498	05.03.25	1	1	0	148	0	NBC Madang	Sea/Road
		2.Kuburne	545	472	Miak HC	Yes	10.02.25	393	72	197	201	02.03.25	1	1	0	57	0	NBC Madang	Sea/Road
		3.Kulkul	601	578	Miak HC	Yes	10.02.25	599	92	300	303	03.03.25	1	1	0	71	9	NBC Madang	Sea/Road
		4.Kurumlang	533	647	Miak HC	Yes	11.02.25	464	83	233	240	03.03.25	1	1	0	66	0	NBC Madang	Sea/Road
		5.Kurumtaur	572	61	Miak HC	Yes	11.02.25	646	120	323	332	02.03.25	1	1	0	119	0	NBC Madang	Sea/Road
		6.Kuburne Com.Sch	47	59	Miak HC	Yes	11.02.25	52	9	26	27	02.03.25	1	1	0	0	0	NBC Madang	Sea/Road
32	WARD 32		3,668	2,649				2,562	518	1,284	1,354		5	5	0	509	1		
		1.Marangis	1,247	729	Miak HC	Yes	10.02.25	916	200	459	495	01.03.25	1	1	0	197	0	NBC Madang	Sea/Road
		2.Mom 1,2&3	1,592	1,092	Miak HC	Yes	10.02.25	1,086	198	544	569	04.03.25	1	1	0	193	0	NBC Madang	Sea/Road
		3.Kulkul Pltn	535	188	Miak HC	Yes	12.02.25	151	35	76	78	01.03.25	1	1	0	35	0	NBC Madang	Sea/Road
		4.Marangis Pltn	294	302	Miak HC	Yes	11.02.25	237	50	119	127	01.03.25	1	1	0	50	0	NBC Madang	Sea/Road
		5. Mom P School		338	Miak HC	Yes	10.02.25	172	35	86	85	04.03.25	1	1	0	34	1	NBC Madang	Sea/Road
33	WARD 33		2,358	2,348				2,214	428	1,108	1,142		4	4	0	390	4		
		1.Keng	1,204	1,253	Miak HC	Yes	10.02.25	1,074	219	537	558	01.03.25	1	1	0	213	1	NBC Madang	Sea/Road
		2.Mater	965	852	Miak HC	Yes	11.02.25	841	150	421	425	01.03.25	1	1	0	124	1	NBC Madang	Sea/Road
		3.Dokte	156	211	Miak HC	Yes	13.02.25	183	34	92	98	01.03.25	1	1	0	34	1	NBC Madang	Sea/Road
		4.Mater com.Sch	33	31	Miak HC	Yes	14.02.25	116	25	58	61	01.03.25	1	1	0	19	1	NBC Madang	Sea/Road
				0															
SUMGILBAR RURAL			54,843	62,934				56,171	10,122	27,871	28,192		119	114	0	8,106	4,395	86	
1	WARD 1		2,656	5,885				4,218	806	2,155	2,161		7	6	0	580	37		
		1.Asumbin	255	283	Bunabun HC	Yes	19.11.24	296	49	143	147	22.02.25	1	1	0	33	3		Road
		2.Pepaur	683	1,276	Bunabun HC	Yes	18.11.24	1,501	279	756	756	22.02.25	1	1	0	220	4		Road
		3.Bunabun	720	683	Bunabun HC	Yes	17.11.24	1,119	235	591	591	21.02.25	1	1	0	144	1		Road
		4.Tavulte	307	498	Bunabun HC	Yes	18.11.24	365	68	194	196	23.02.25	1	1	0	61	0		Road
		5.Garum	315	451	Bunabun HC	Yes	18.11.24	783	148	391	391	18.02.25	1	1	0	95	2	Radio Madang	Road
		6.Sevakre	156	220	Bunabun HC														Same village as Garum
		7.Bunabun H/C&Sch	60	248	Bunabun HC	Yes	19.11.24	154	27	80	80	18.02.25	1	1	0	27	27		Road
		8.Mangem Pltn	160	2,226	Bunabun HC								1						Covered under Malala HC in 2023.
2	WARD 2		1,286	2,371				2,481	371	1,227	1,227		7	7	0	251	1		
		1.Erenduk	374	581	Bunabun HC	Yes	24.11.24	580	97	284	284	20.02.25	1	1	0	42	0		Road
		2.Seremben	218	202	Bunabun HC	Yes	20.11.24	179	30	85	85	21.02.25	1	1	0	15	0		Road
		3.Sarisabu	86	94	Bunabun HC									1					Old name for Sevan village.
		4.Soberam	204	276	Bunabun HC	Yes	23.11.24	248	35	126	126	21.02.25	1	1	0	23	0		Road

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		5.Sevan	286	707	Bunabun HC	Yes	19.11.24	1,061	145	534	534	18.02.25	1	1	0	115	0		Road
		6.Eregereg	95	157	Bunabun HC	Yes	21.11.24	135	20	65	65	21.02.25	1	1	0	19	0		Road
		7.Sevan Sch&Aidpost	23	81	Bunabun HC								1						Under Sevan
		8. Suapin		274	Bunabun HC	Yes	22.11.24	278	44	133	133	24.02.25	1	1	0	37	1		Road
3	WARD 3		1,500	2,422				2,206	429	1,104	1,108		3	3	0	260	2		
		1.Murukanam	1,473	1,289	Bunabun HC	Yes	18.11.24	849	169	426	426	17.02.25	1	1	0	57	0		Road
		2.Murukanam sch&Aidpo	27	66	Bunabun HC	Yes	18.11.24	163	28	80	80	17.02.25	1	1	0	18	0		Road
		3. Dibor		1,067	Bunabun HC	Yes	18.11.24	1,194	232	598	602	17.02.25	1	1	0	185	2		Road
4	WARD 4		2,339	2,897				3,378	600	1,672	1,674		5	5	0	500	28		
		1.Malas	1,045	920	Bunabun HC	Yes	18.11.24	1,387	272	683	683	16.02.25	1	1	0	214	0	93 FM	Road
		2.Tokain	942	1,119	Bunabun HC	Yes	17.11.24	1,246	196	611	611	15.02.25	1	1	0	183	28		Road
		3.Ameng	298	345	Bunabun HC	Yes	17.11.24	370	74	186	186	15.02.25	1	1	0	52	0		Road
		4.Tokain Sch&Aidpost	53	302	Bunabun HC	Yes	18.11.24	71	10	36	37	15.02.25	1	1	0	6	0		Road
		5, Malas Block		211	Bunabun HC	Yes	18.11.24	304	48	156	157	18.02.25	1	1	0	45	0		Road
5	WARD 5		479	446				552	96	269	270		2	1	0	86	3		
		1.Imbab	292	201	Bunabun HC	Yes	18.11.24	332	50	163	163	16.02.25	1	1	0	43	1		Road
		2.Yambrik	187	246	Bunabun HC	Yes	19.11.24	220	46	106	107	16.02.25	1	0	0	43	2		2 Hr Trek From Imbab
6	WARD 6		1,603	1,755				1,233	249	645	645		2	2	0	249	249		
		1.Mirap	1,559	1,697	Mugil HC	No	11.24 - 28.11	1,079	212	441	441	09.12.24	1	1	No	212	212	100, Radio Li	Road
		2.Mirap P/Sch&Aidpost	43	58	Mugil HC	No	11.24 - 28.11	154	37	204	204	09.12.24	1	1	No	37	37	100, Radio Li	Road
7	WARD 7		1,378	1,697				1,760	289	867	867		1	1	0	254	18		
		1.Karkum	1,378	1,697	Mugil HC	Yes	12.02.25	1,760	289	867	867	01.03.25	1	1	0	254	18	NBC Madang	Road
8	WARD 8		4,470	3,460				2,554	500	1,351	1,351		4	4	0	500	500		
		1.Sarang No.1	1,238	1,262	Mugil HC	No	11.24 - 28.11	904	191	493	493	09.12.24	1	1	No	191	191	0, YumiFM, N	Road
		2.Sarang No.2/Ikarem	1,210	1,081	Mugil HC	No	11.24 - 28.11	923	172	404	404	09.12.24	1	1	No	172	172	0, YumiFM, N	Road
		3.Sakul P/Sch&A/post	64	1,057	Mugil HC	No	11.24 - 28.11	485	96	334	334	09.12.24	1	1	No	96	96	0, YumiFM, N	Road, 1 bale of nets issued without capturing the HHs and population.
		4.Dylup Pltn	1,959	61	Mugil HC	No	11.24 - 28.11	242	41	120	120	09.12.24	1	1	No	41	41	0, YumiFM, N	Road
9	WARD 9		1,529	1,473				1,456	258	718	718		1	1	0	16	0		
		1.Basken	1,529	1,473	Mugil HC	Yes	12.02.25	1,456	258	718	718	28.02.25	1	1	0	16	0	NBC Madang	Road
10	WARD 10		1,271	870				1,278	221	608	608		2	2	0	147	0		
		1.Budum	691	870	Mugil HC	Yes	13.02.25	1,003	175	472	472	05.03.25	1	1	0	147	0	NBC Madang	Road
		2.Elebe	580	0	Mugil HC	Yes	16.02.25	275	46	136	136	06.03.25	1	1	0	0	0		2 Hr Trek From Budum
11	WARD 11		2,347	2,656				2,658	470	1,329	1,329		3	3	0	240	0		
		1.Garup	1,236	1,086	Mugil HC	Yes	11.02.25	1,070	184	524	524	05.03.25	1	1	0	155	0	NBC Madang	Road
		2.kurum	586	935	Mugil HC	Yes	11.02.25	961	148	481	481	05.03.25	1	1	0	0	0	NBC Madang	Road
		3.Zizi	525	635	Mugil HC	Yes	11.02.25	627	138	324	324	05.03.25	1	1	0	85	0	NBC Madang	Road
12	WARD 12		1,623	1,412				1,080	207	538	538		3	3	0	207	207		
		1.Megiar	1,393	1,125	Mugil HC	No	11.24 - 28.11	670	135	337	337	10.12.24	1	1	No	135	135	YumiFM, Nau	Road
		2.Megiar P/sch&Miss.	146	150	Mugil HC	No	11.24 - 28.11	138	25	69	69	10.12.24	1	1	No	25	25	YumiFM, Nau	Road
		3.Megia works camp	84	137	Mugil HC	No	11.24 - 28.11	272	47	132	132	10.12.24	1	1	No	47	47	YumiFM, Nau	Road
13	WARD 13		1,718	2,221				1,630	306	826	829		6	5	0	306	306		
		1.Baranis	743	557	Mugil HC	No	11.24 - 28.11	440	94	217	217	10.12.24	1	1	No	94	94	NBC, FM100	Road
		2.Waimas	237	314	Mugil HC	No	11.24 - 28.11	384	56	202	202	10.12.24	1	1	No	56	56	NBC, FM100	Road
		3.Marut	181	289	Mugil HC	No	11.24 - 28.11	283	53	143	143	10.12.24	1	1	No	53	53	NBC, FM100	Road
		4.Kabugam	327	618	Mugil HC	No	11.24 - 28.11	384	81	194	197	10.12.24	1	1	No	81	81	NBC, FM100	Road
		5.Tandai	144	155	Mugil HC	No	11.24 - 28.11	139	22	70	70	10.12.24	1	1	No	22	22	NBC, FM100	Road
		6.Sumgilbar Govt Stn	86	287	Mugil HC								1						Included Under Tandai
14	WARD 14		2,930	2,939				2,281	470	1,141	1,141		5	5	0	470	470		
		1.Liksal	806	637	Mugil HC	No	11.24 - 28.11	599	121	281	281	11.12.24	1	1	No	121	121	NBC, FM100	Road
		2.Udisis	800	993	Mugil HC	No	11.24 - 28.11	382	55	191	191	11.12.24	1	1	No	55	55	NBC, FM100	Road
		3.Bedas/Saulis	704	756	Mugil HC	No	11.24 - 28.11	701	158	371	371	11.12.24	1	1	No	158	158	NBC, FM100	Road
		4.Kusang	325	269	Mugil HC	No	11.24 - 28.11	351	90	174	174	11.12.24	1	1	No	90	90	NBC, FM100	Road
		5.Mugil Cath.Miss.&H/cn	78	284	Mugil HC	No	11.24 - 28.11	248	46	124	124	11.12.24	1	1	No	46	46	NBC, FM100	Road
		6.Mugil Pltn	216	0	Mugil HC														Non Existant

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15	WARD 15		2,714	3,067				3,061	553	1,522	1,522		7	7	0	457	35		
		1.Barag	479	516	Mugil HC	Yes	13.02.25	534	107	267	267	05.03.25	1	1	0	100	10	NBC Madang	Road
		2.Kani	232	239	Mugil HC	Yes	14.02.25	243	49	121	121	06.03.25	1	1	0	38	0	NBC Madang	Road
		3.Mudo/Sawinay	451	652	Mugil HC	Yes	13.02.25	585	100	287	287	05.03.25	1	1	0	72	2	NBC Madang	Road
		4.Mulon/Kajem	432	335	Mugil HC	Yes	13.02.25	328	57	165	165	05.03.25	1	1	0	45	6	NBC Madang	Road
		5.Nom	555	454	Mugil HC	Yes	13.02.25	460	78	233	233	02.03.25	1	1	0	76	0	NBC Madang	Road
		6.Barikas	352	390	Mugil HC	Yes	13.02.25	377	71	184	184	06.03.25	1	1	0	52	3	NBC Madang	Road
		7.Banana Bus/Multon	212	480	Mugil HC	Yes	13.02.25	534	91	265	265	06.03.25	1	1	0	74	14	NBC Madang	Road
16	WARD 16		1,856	2,076				1,843	327	962	964		4	4	0	327	327		
		1.Bunu No.1	1,074	1,067	Mugil HC	No	11.24 - 28.11	759	148	420	420	11.12.24	1	1	No	148	148	NBC, FM100	Road
		2.Sugar	555	642	Mugil HC	No	11.24 - 28.11	550	94	274	276	11.12.24	1	1	No	94	94	NBC, FM100	Road
		3.Sulumai	138	287	Mugil HC	No	11.24 - 28.11	435	67	218	218	11.12.24	1	1	No	67	67	NBC, FM100	Road
		4.Waduin P/Sch	88	81	Mugil HC	No	11.24 - 28.11	99	18	50	50	11.12.24	1	1	0	18	18	NBC, FM100	Road
17	WARD 17		1,648	1,456				1,328	236	732	784		4	4	0	236	236		
		1.Kudas	422	386	Mugil HC	No	11.24 - 28.11	389	76	195	195	11.12.24	1	1	0	76	76	NBC, FM100	Road
		2.Matukar	617	557	Mugil HC	No	11.24 - 28.11	699	111	321	373	11.12.24	1	1	0	111	111	NBC, FM100	Road
		3.Surumarang	276	286	Mugil HC	No	11.24 - 28.11	240	49	120	120	11.12.24	1	1	0	49	49	NBC, FM100	Road
		4.Matukar Pltn	333	227	Mugil HC	No	11.24 - 28.11	24		96	96	11.12.24	1	1	0			NBC, FM100	Road, data entered in an exercise book
18	WARD 18		1,712	1,925				1,919	361	950	950		6	6	0	267	12		
		1.Wasab	434	478	Mugil HC	Yes	13.02.25	633	127	318	318	06.03.25	1	1	0	112	5	NBC Madang	Road
		2.Wasabamal	673	616	Mugil HC	Yes	11.02.25	459	100	232	232	06.03.25	1	1	0	56	3	NBC Madang	Road
		3.Yab	247	362	Mugil HC	Yes	11.02.25	329	50	160	160	05.03.25	1	1	0	30	0	NBC Madang	Road
		4.Gabagsal	298	314	Mugil HC	Yes	11.02.25	403	62	189	189	05.03.25	1	1	0	54	4	NBC Madang	Road
		5.Wasab reforestry Cam	41	90	Mugil HC	Yes	13.02.25	46	11	23	23	06.03.25	1	1	0	3	0	NBC Madang	Road
		6.Komindor Com.Sch	19	65	Mugil HC	Yes	11.02.25	49	11	28	28	05.03.25	1	1	0	12	0	NBC Madang	Road
19	WARD 19		444	706				462	93	230	230		3	3	0	54	11		
		1.Burbura	294	265	Mugil HC	Yes	10.02.25	269	50	133	133	07.03.25	1	1	0	42	0	NBC Madang	Road
		2.Bemdik	58	441	Mugil HC	Yes	12.02.25	133	30	68	68	07.03.25	1	1	0			NBC Madang	Road
		3.Burog	93	0	Mugil HC	Yes	12.02.25	60	13	29	29	07.03.25	1	1	0	12	11	NBC Madang	Road
20	WARD 20		4,458	5,105				5,216	875	2,535	2,535		14	14	0	838	838		
		1.Bagildik	549	847	Mugil HC	No	11.24 - 28.11	618	100	291	291	12.12.24	1	1	0	100	100	NBC, FM100	Road
		2.Banap	728	841	Mugil HC	No	11.24 - 28.11	873	152	414	414	12.12.24	1	1	0	152	152	NBC, FM100	Road
		3.Yoidik	298	331	Mugil HC	No	11.24 - 28.11	319	68	155	155	13.12.24	1	1	0	68	68	NBC, FM100	Road
		4.Yal	216	296	Mugil HC	No	11.24 - 28.11	383	64	199	199	13.12.24	1	1	0	64	64	NBC, FM100	Road
		5.Galauyan	298	162	Mugil HC	No	11.24 - 28.11	206	32	104	104	13.12.24	1	1	0	32	32	NBC, FM100	Road
		6.Girau	183	236	Mugil HC	No	11.24 - 28.11	301	51	151	151	13.12.24	1	1	0	51	51	c, FM100,Yum	Road
		7.Muad	148	224	Mugil HC	No	11.24 - 28.11	349	48	166	166	13.12.24	1	1	0	48	48	c, FM100,Yum	Road
		8.Sama-ab/Waden	107	210	Mugil HC	No	11.24 - 28.11	217	36	109	109	13.12.24	1	1	0	36	36	NBC, FM100	Road
		9.Roab	68	319	Mugil HC	No	11.24 - 28.11	214	41	108	108	13.12.24	1	1	0	41	41	NBC, FM100	Road
		10.Sibsibab	97	173	Mugil HC	No	11.24 - 28.11	201	55	104	104	13.12.24	1	1	0	55	55	NBC, FM100	Road
		11.Sildig	230	172	Mugil HC	Yes	11.02.25	184	37	91	91	08.03.25	1	1	0			NBC Madang	Road
		12.Talidig Tech,H/S&Pri	319	395	Mugil HC	No	11.24 - 28.11	202	27	104	104	12.12.24	1	1	0	27	27	c, FM100,Yum	Road
		13.Talidig Police St	241	91	Mugil HC	No	11.24 - 28.11	390	64	197	197	12.12.24	1	1	0	64	64	c, FM100,Yum	Road
		14.Murunas Pltn	627	810	Mugil HC	No	11.24 - 28.11	759	100	342	342	12.12.24	1	1	0	100	100	YumiFM,NauF	Road
		15.Madang Timbers	348	0	Mugil HC														Non Existant
21	WARD 21		1,895	2,113				2,125	407	1,083	1,083		4	3	0	407	407		
		1.Deda	142	536	Mugil HC	No	11.24 - 28.11	578	140	308	308	14.12.24	1	1	0	140	140	FM100, NBC	Road
		2.Sempi	1,230	970	Mugil HC	No	11.24 - 28.11	910	165	456	456	14.12.24	1	1	0	165	165	FM100, NBC	Road
		3.Hululang Pltn	508	295	Mugil HC	No	11.24 - 28.11	637	102	319	319	14.12.24	1	1	0	102	102	YumiFM,NauF	Road
		4.Sempi works Camp	14	312	Mugil HC	No							1						Included Under Sempi
22	WARD 22		2,736	3,430				2,977	596	1,220	1,471		3	3	0	596	596		
		1.Bomasse	862	1,049	Mugil HC	No	11.24 - 28.11	1,023	202	485	485	14.12.24	1	1	0	202	202	YumiFM,NauF	Road
		2.Kauwe	1,045	1,266	Mugil HC	No	11.24 - 28.11	981	193	494	494	14.12.24	1	1	0	193	193	YumiFM,NauF	Road

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		3.Maik	335	0	Mugil HC		24.11.24 - 28.11.24												Non Existant
		4.Vidar Pltn	494	1,115	Mugil HC	No	11.24 - 28.11	973	201	241	492	14.12.24	1	1	0	201	201	YumiFM,NauF	Now called Bemion
23	WARD 23		562	880				745	143	397	397		4	3	0	97	21		
		1.Anhabak	105	214	Mugil HC	Yes	10.02.25	187	38	106	106	08.03.25	1	1	0	0	0	NBC Madang	Road/1 Hr Trek
		2.Badimfok	29	223	Mugil HC	Yes	10.02.25	127	20	64	64	08.03.25	1	1	0	14	9	NBC Madang	Road/1 Hr Trek
		3.Balabak	428	443	Mugil HC	Yes	10.02.25	174	35	97	97	08.03.25	1	1	0	35	6	NBC Madang	Road/1 Hr Trek
		4.Bareiudig		NEW	Mugil HC	Yes	10.02.25	257	50	130	130	08.03.25	1			48	6		
24	WARD 24		407	612				377	66	197	197		4	4	0	45	9		
		1.Asiwo	53	104	Mugil HC	Yes	11.02.25	155	16	81	81	08.03.25	1	1	0	0	0	NBC Madang	Road/Trek
		2.Balbe	202	258	Mugil HC	Yes	11.02.25	67	16	34	34	08.03.25	1	1	0	15	9	NBC Madang	Road/Trek
		3.Moik	121	89	Mugil HC	Yes	11.02.25	83	14	40	40	08.03.25	1	1	0	11	0	NBC Madang	Road
		4.Sigu	31	162	Mugil HC	Yes	10.02.25	72	20	42	42	08.03.25	1	1	0	19	0	NBC Madang	Road/Trek
25	WARD 25		564	1,278				616	117	305	305		2	2	0	67	13		
		1.Abab	263	467	Mugil HC	Yes	13.02.25	223	43	112	112	08.03.25	1	1	0	36	0	NBC Madang	Dry Season Road Only or 4 Hr Trek
		2.Dudula	300	811	Mugil HC	Yes	10.02.25	393	74	193	193	08.03.25	1	1	0	31	13	NBC Madang	2 Hr Trek From Abad
26	WARD 26		2,732	3,261				3,502	582	1,691	1,691		2	2	0	373	67		
		1.Dimar	2,325	2,847	Mugil HC	Yes	12.02.25	3,091	512	1,498	1,498	27.02.25	1	1	0	373	67	NBC Madang	Road
		2.Gamenken	407	414	Mugil HC	Yes	12.02.25	411	70	193	193	28.02.25	1	1	0	0	0	NBC Madang	1 Hr Trek From Dimer
27	WARD 27		765	891				642	148	330	330		4	4	0	31	0		
		1.Bilakura	86	72	Mugil HC	Yes	14.02.25	95	24	51	51	06.03.25	1	1	0	17	0	NBC Madang	Trek From Dimer
		2.Bubno	113	92	Mugil HC	Yes	13.02.25	155	33	79	79	06.03.25	1	1	0	0	0	NBC Madang	Trek From Dimer
		3.Mosimo	103	129	Mugil HC	Yes	13.02.25	103	21	52	52	06.03.25	1	1	0	14	0	NBC Madang	Trek From Dimer
		4.Bulal	463	598	Mugil HC	Yes	13.02.25	289	70	148	148	02.03.25	1	1	0	0	0	NBC Madang	1 x Survey book for Bulal was not collected because the took the survey book with him to Lae
28	WARD 28		918	741				409	77	203	203		1	1	0	63	1		
		1.Embor	354	295	Bunabun HC														Non existent: Migration to coastal
		2.Kumbu	564	446	Bunabun HC	Yes	20.11.24	409	77	203	203	20.02.25	1	1	0	63	1		1 Day Trek From Sevan
29	WARD 29		1,325	628				186	34	95	95		0	1	0	23	0		
		1.Perene	963	370	Bunabun HC														Non existent: Migration to coastal
		2.Yaure	362	258	Bunabun HC	Yes	20.11.24	186	34	95	95	20.02.25		1	0	23	0		Actual name is Yarul. Not Yaure!
30	WARD 30		1,212	972				817	102	400	400		3	2	0	88	1		
		1.Katekot	177	163	Bunabun HC	Yes	19.11.24	62	10	30	30	20.02.25	1	0	0	10	0		1 Day Trek From Sevan
		2.Mabet	376	273	Bunabun HC	Yes	20.11.24	278	39	138	138	21.02.25	1	1	0	25	1		1 Day Trek From Sevan
		3.Tinami	197	280	Bunabun HC	Yes	24.11.24	235	26	114	114	19.02.25		0	0	26	0		Non existent. New name is Yokea.
		4.Wanambre	461	257	Bunabun HC	Yes	19.11.24	242	27	118	118	19.02.25	1	1	0	27	0		1 Day Trek From Sevan
31	WARD 31		1,767	1,290				1,181	133	569	569		3	3	0	71	0		
		1.Hinihon	564	316	Bunabun HC	Yes	23.11.24	350	38	158	158	21.02.25	1	1	0	38	0		1 Day Trek From Sevan
		2.Henengawe	695	608	Bunabun HC	Yes	23.11.24	496	62	247	247	21.02.25	1	1	0	0	0		1 Day Trek From Sevan
		3.Meskor	508	366	Bunabun HC	Yes	21.11.24	335	33	164	164	21.02.25	1	1	0	33	0		1 Day Trek From Sevan