# Advocating for Integrated Diabetic Retinopathy Care in Papua New Guinea

## Context and Rationale

Noncommunicable diseases (NCDs) such as diabetes are a significant health challenge in Papua New Guinea (PNG), particularly as they lead to complications like diabetic retinopathy (DR), a major cause of blindness. Currently, PNG has one of the highest blindness rates (5.6%) in the Western Pacific, with DR affecting nearly half (46%) of individuals who have diabetes. In addition, more than eight in ten people with diabetes in the National Capital District have never had an eye check-up.

Currently, diabetic retinopathy (DR) is not comprehensively included in diabetes management guidelines across all levels of Papua New Guinea's healthcare system. In 2021 the National Capital District Health Authority conducted a facility-based situational analysis of the six functional NCD clinics in the Capital District and found that all clinics lacked basic equipment for diagnosis and monitoring of patients with diabetes and hypertension and their complications, they shared equipment with other services, and most of the time they didn’t have access to them. NCD staff at the clinics were also not trained in screening and referring patients to eye health care, and none of the clinics had adequate equipment to screen for DR. Treatment for this blinding condition is also not widely available in PNG. Access to DR treatment is limited primarily to a few urban centres, due to shortages in affordable medications, specialized healthcare providers, diagnostic equipment, and treatment facilities across much of the country.

In PNG Provincial Health Authorities (PHAs) play a crucial role in delivering and managing healthcare services at the provincial level, including primary health services, disease control, and health education. PHAs have a moderate level of autonomy, allowing them to oversee local health budgets, implement provincial health programs, and adapt national health policies to local needs. This autonomy enables PHAs to respond to the unique challenges of each province, such as geographic barriers and available human resources and infrastructure. Involving PHAs closely in health initiatives is vital for effective, sustainable healthcare across the country.

## Ensuring Alignment Between the Global Sector and National Activities in PNG.

The global response to diabetes and DR has been progressively strengthened through various international resolutions and declarations. Beginning with the St Vincent Declaration in 1989, which set targets to reduce blindness from diabetes, global efforts have expanded through partnerships and strategies across regions. Key milestones include the United Nations' adoption of the Sustainable Development Goals (SDGs), particularly Goal 3.4, aiming to reduce premature mortality from diabetes and other non-communicable diseases by one-third by 2030.

The IAPB and IDF Policy Brief, *Diabetic Retinopathy: A Call for Global Action*, underscores the need for comprehensive multisectoral responses to prevent and treat DR, emphasizing the importance of integrating DR care into national health systems to reduce vision loss among people with diabetes​.

The WHA also prioritized vision-threatening DR as a global metric, calling for standardized data collection and enhanced reporting to monitor DR and its impacts on populations effectively. These targets guide countries in structuring policies that address both diabetes management and DR prevention, aiming for comprehensive, people-centred care.

1. 80% of people with diabetes diagnosed to ensure early intervention.
2. 80% with good glycaemic control, crucial for reducing DR risks.
3. 80% achieving blood pressure control, another key factor in preventing DR complications.
4. 60% of people with diabetes aged 40+ on statins to reduce cardiovascular and DR risk.
5. 100% of people with type 1 diabetes having access to affordable insulin and self-monitoring tools.

## Project Goal

This project seeks to mobilize National and Provincial Health Authorities as well as other stakeholders in establishing comprehensive DR programs across PNG by fostering a supportive policy environment, building partnerships, raising awareness, and creating actionable guidance, and for sustainable, integrated DR care.

## Objectives

* **Promote Policy and Public Awareness:** Raise awareness among stakeholders about DR and the importance of an integrated approach to prevention and care.
* **Strengthen Multisectoral Partnerships:** Engage PHAs, the Ministry of Health, and key partners to support DR service delivery.
* **Develop Practical Guidance for DR Program Design:** Create a user-friendly, evidence-based guide that stakeholders, including PHAs, can use to establish and implement DR programs.

## Expected Outcomes

* **Strengthened Policy Environment:** DR services integrated into PNG’s national health policies, strategic plans, and UHC frameworks.
* **Expanded Access to DR Screening and Treatment:** Improved service delivery at primary healthcare facilities to support DR prevention and treatment.
* **Increased Public Awareness:** Enhanced understanding of DR risks and prevention among patients, communities, and policymakers.
* **Accessible Guidance Document:** A practical guide for DR program implementation tailored to the PNG context, available for use by PHAs, health organizations, and stakeholders.

## Key Activities by Health System Strengthening Blocks

### Governance and Leadership

* **Multisectoral Steering Committee:** Form a committee including stakeholders from health, finance, community organizations, and patient groups to oversee and coordinate DR initiatives across sectors.
* **Policy Advocacy:** Work with PHAs and the Ministry of Health to include DR in national health strategies and budgets.
* **Develop DR Program Guidance:** Create a comprehensive guidance document outlining best practices, DR service frameworks, and monitoring tools to help stakeholders design and implement DR programs within their local context.

### Health Financing

* **Funding Advocacy:** Advocate for dedicated budget allocations for DR services within both provincial and national health budgets.
* **Public-Private Partnership:** Engage private sector entities and international agencies to provide supplemental funding and resources for DR initiatives.

### Health Workforce

* **Healthcare Provider Training:** Develop or adapt training modules on DR detection, treatment, and referral, targeting healthcare providers at various levels in PNG.
* **Community Health Worker Training:** Equip community health workers to conduct basic DR screenings, educate patients, and provide referrals to higher-level care.

### Health Information Systems

* **Data Collection Framework:** Develop a framework for collecting DR data to track progress towards the DR targets listed above, including case tracking, treatment outcomes, and demographic information, to inform program improvements.
* **Integration into National Health Systems:** Work with PHAs and the Ministry of Health to ensure that DR data is captured in health information systems at relevant health facilities to improve program visibility and impact tracking.

## Service Delivery

* **Practical Guidance for Service Delivery:** The DR program guidance developed as part of this project will encourage National and Provincial Health Authorities and provide a practical manual to deliver integrated DR services. These will include:
  + The establishment of DR screening centres within existing diabetes and eye health clinics; and
  + The initiation of mobile health units to extend DR screenings and education to underserved and remote areas.
  + The expansion of effective delivery of DR treatment
  + Establishment of effective patient referral and recall systems.

### Medicines and Technology

* **Supply Chain Strengthening:** Work with relevant government units to ensure consistent access to essential DR supplies, including diagnostic equipment, medications, and treatment tools.
* **Innovative Technologies:** Establishment of collaborative efforts with relevant technology developers to pilot telemedicine and innovative screening tools to increase DR care accessibility, especially in rural regions.

## Community and Stakeholder Engagement

* **Public Awareness Campaigns:** Organize campaigns targeting healthcare providers, policymakers, and the public to highlight the importance of DR screening and early intervention.

## Timeline

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| HSS Block | Activity | YEAR 1 | | | | YEAR 2 | | | | YEAR 3 | | | |
| Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Governance and Leadership | Form multisectoral steering committee and hold regular meetings |  |  |  |  |  |  |  |  |  |  |  |  |
| Advocate for DR inclusion in national health policy |  |  |  |  |  |  |  |  |  |  |  |  |
| Develop comprehensive DR program guidelines |  |  |  |  |  |  |  |  |  |  |  |  |
| Health Financing | Lobby for DR budget allocations at national level |  |  |  |  |  |  |  |  |  |  |  |  |
| Establish partnerships with private sector |  |  |  |  |  |  |  |  |  |  |  |  |
| Health Workforce | Create DR screening and referral training modules |  |  |  |  |  |  |  |  |  |  |  |  |
| Train CHWs and others in early detection, referral and treatment of DR |  |  |  |  |  |  |  |  |  |  |  |  |
| Health Information Systems | Set up DR data collection and reporting systems |  |  |  |  |  |  |  |  |  |  |  |  |
| Incorporate DR metrics into national health records |  |  |  |  |  |  |  |  |  |  |  |  |
| *Collect data on DR indicators* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Service Delivery* | *Establish DR screening units at NCD clinics* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Establish referral systems* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Perform DR screening in clinics* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Launch mobile health units for DR screening* |  |  |  |  |  |  |  |  |  |  |  |  |
| *Expand effective delivery of DR treatment* |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicines and Technology | Advocate for consistent access to essential DR supplies |  |  |  |  |  |  |  |  |  |  |  |  |
| *Procure diagnostic equipment for clinics* |  |  |  |  |  |  |  |  |  |  |  |  |
| Establish collaborative efforts with tech developers |  |  |  |  |  |  |  |  |  |  |  |  |
| *Pilot telemedicine tools for rural DR care* |  |  |  |  |  |  |  |  |  |  |  |  |
| Community Engagement | Design and distribute DR education materials |  |  |  |  |  |  |  |  |  |  |  |  |
| Organize community sessions on DR prevention |  |  |  |  |  |  |  |  |  |  |  |  |
| Monitoring and Evaluation | Conduct midterm evaluation |  |  |  |  |  |  |  |  |  |  |  |  |
| Final project evaluation and reporting |  |  |  |  |  |  |  |  |  |  |  |  |
| Publish project outcomes report |  |  |  |  |  |  |  |  |  |  |  |  |

## Budget

### Totals

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|  | **YEAR 1 (USD)** | **YEAR 2 (USD)** | **YEAR 3 (USD)** | **TOTAL (USD)** |
| **ADVOCACY COSTS TOTAL** | $ 91,800.00 | $ 138,550.00 | $ 31,700.00 | $ 262,050.00 |
| **SERVICE DELIVERY COSTS TOTAL** | $ 10,500.00 | $ 291,500.00 | $ 124,400.00 | $ 426,400.00 |
| **TECHNOLOGY PILOT** | $ - | $ 30,120.00 | $ 20,080.00 | $ 50,200.00 |
| **GRAND TOTAL** | $ 102,300.00 | $ 460,170.00 | $ 176,180.00 | $ 738,650.00 |

Service delivery funds are to be secured through a mixture of government allocation and private-public partnerships. Technology pilot funds are to be security through the establishment of a collaboration with technology developers.

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| **HSS BLOCK** | **ACTIVITY** | **YEAR 1 (USD)** | **YEAR 2 (USD)** | **YEAR 3 (USD)** | **TOTAL (USD)** |
| **Governance and Leadership** | **Steering committee formation and meetings** | **$ 6,000.00** | **$ 3,400.00** | **$ 3,400.00** | **$ 12,800.00** |
| Steering Committee Setup | $ 200.00 | $ - | $ - | $ 200.00 |
| Monthly Online Meetings | $ 600.00 | $ - | $ - | $ 600.00 |
| Quarterly Online Meetings | $ 200.00 | $ 400.00 | $ 400.00 | $ 1,000.00 |
| In-Person Meetings | $ 4,000.00 | $ 2,000.00 | $ 2,000.00 | $ 8,000.00 |
| Ongoing Meeting Support | $ 1,000.00 | $ 1,000.00 | $ 1,000.00 | $ 3,000.00 |
| **Development of DR guidelines and policy materials** | **$ 6,700.00** | **$ -** | **$ -** | **$ 6,700.00** |
| Stakeholder Engagement Meetings | $ 900.00 | $ - | $ - | $ 900.00 |
| Workshops with Policy Influencers | $ 3,000.00 | $ - | $ - | $ 3,000.00 |
| Media and Public Awareness Campaign | $ 2,000.00 | $ - | $ - | $ 2,000.00 |
| Legislative Briefings and Follow-Up | $ 800.00 | $ - | $ - | $ 800.00 |
| **Health Financing** | **National & provincial funding advocacy** | **$ 5,600.00** | **$ 5,700.00** | **$ 700.00** | **$ 12,000.00** |
| Initial Research and Proposal Development | $ 2,500.00 | $ - | $ - | $ 2,500.00 |
| Stakeholder Meetings | $ 600.00 | $ 600.00 | $ - | $ 1,200.00 |
| Multi-Stakeholder Roundtables | $ 1,500.00 | $ 1,500.00 | $ - | $ 3,000.00 |
| Public Advocacy and Media Outreach | $ 1,000.00 | $ 1,500.00 | $ - | $ 2,500.00 |
| Policy Briefing Sessions | $ - | $ 1,600.00 | $ 400.00 | $ 2,000.00 |
| Final Follow-Ups and Documentation | $ - | $ 500.00 | $ 300.00 | $ 800.00 |
| **Partnership development with private sector** | **$ 5,000.00** | **$ 2,400.00** | **$ -** | **$ 7,400.00** |
| Private Sector Mapping and Outreach Strategy | $ 1,500.00 | $ - | $ - | $ 1,500.00 |
| Initial Meetings with Prospective Partners | $ 1,000.00 | $ - | $ - | $ 1,000.00 |
| Private Sector Engagement Workshop | $ 2,500.00 | $ - | $ - | $ 2,500.00 |
| Formalize Partnerships and Draft Agreements | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| Kick-Off and Joint Planning Sessions | $ - | $ 900.00 | $ - | $ 900.00 |

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| **Health Workforce** | **Create DR screening and referral training modules** | **$ 13,500.00** | **$ -** | **$ -** | **$ 13,500.00** |
| Referral Pathway Mapping and Needs Assessment | $ 2,500.00 | $ - | $ - | $ 2,500.00 |
| Development of Referral Protocols and Guidelines | $ 3,200.00 | $ - | $ - | $ 3,200.00 |
| Curriculum Design and Needs Assessment | $ 1,800.00 | $ - | $ - | $ 1,800.00 |
| Module Content Development | $ 1,700.00 | $ - | $ - | $ 1,700.00 |
| Video and Multimedia Production | $ 2,000.00 | $ - | $ - | $ 2,000.00 |
| Translation and Localization | $ 1,300.00 | $ - | $ - | $ 1,300.00 |
| Pilot Testing and Module Review | $ 1,000.00 | $ - | $ - | $ 1,000.00 |
| **Healthcare provider training on DR** | **$ 15,700.00** | **$ 46,700.00** | **$ -** | **$ 62,400.00** |
| Training Session Planning and Coordination | $ 5,000.00 | $ 12,200.00 | $ - | $ 17,200.00 |
| Training Materials Production | $ 2,200.00 | $ 6,500.00 | $ - | $ 8,700.00 |
| Facilitator Fees and Session Delivery | $ 3,000.00 | $ 9,000.00 | $ - | $ 12,000.00 |
| Participant Stipends and Travel Subsidies | $ 5,500.00 | $ 16,500.00 | $ - | $ 22,000.00 |
| Monitoring and Evaluation | $ - | $ 2,500.00 | $ - | $ 2,500.00 |
| **Health Information Systems** | **Set up DR data collection and reporting systems** | **$ 6,300.00** | **$ 15,200.00** | **$ -** | **$ 21,500.00** |
| System Design and Requirements Assessment | $ 2,300.00 | $ - | $ - | $ 2,300.00 |
| Software Development and Customization | $ 4,000.00 | $ 1,500.00 | $ - | $ 5,500.00 |
| Hardware Procurement and Installation | $ - | $ 7,000.00 | $ - | $ 7,000.00 |
| Staff Training and Capacity Building | $ - | $ 3,700.00 | $ - | $ 3,700.00 |
| Pilot Testing and Initial Data Collection | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| Monitoring, Support, and Final Adjustments | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| **Incorporate DR metrics into national health records** | **$ 14,800.00** | **$ -** | **$ -** | **$ 14,800.00** |
| Define DR Metrics and Integration Requirements | $ 2,000.00 | $ - | $ - | $ 2,000.00 |
| System Development and Software Integration | $ 5,000.00 | $ - | $ - | $ 5,000.00 |
| Data Security and Privacy Compliance | $ 1,700.00 | $ - | $ - | $ 1,700.00 |
| Training for Health Information Management Staff | $ 2,900.00 | $ - | $ - | $ 2,900.00 |
| Pilot Testing and Initial Data Collection | $ 1,500.00 | $ - | $ - | $ 1,500.00 |
| Monitoring, Support, and Final Adjustments | $ 1,700.00 | $ - | $ - | $ 1,700.00 |
| ***Collect data on DR indicators*** | ***$ -*** | ***$ 4,850.00*** | ***$ 4,850.00*** | ***$ 9,700.00*** |
| *Preparation and Coordination* | *$ -* | *$ 850.00* | *$ 850.00* | *$ 1,700.00* |
| *Training on Data Collection Procedures* | *$ -* | *$ 750.00* | *$ 750.00* | *$ 1,500.00* |
| *Data Collection from Health Facilities* | *$ -* | *$ 1,400.00* | *$ 1,400.00* | *$ 2,800.00* |
| *Data Quality Assurance and Validation* | *$ -* | *$ 750.00* | *$ 750.00* | *$ 1,500.00* |
| *Data Analysis and Initial Reporting* | *$ -* | *$ 1,100.00* | *$ 1,100.00* | *$ 2,200.00* |

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| **Service Delivery** | ***Establish DR screening units at NCD clinics*** | ***$ 6,125.00*** | ***$ 18,375.00*** | ***$ -*** | ***$ 24,500.00*** |
| *Site Assessment and Planning* | *$ 1,000.00* | *$ 3,000.00* | *$ -* | *$ 4,000.00* |
| *Training of Clinic Staff* | *$ 2,875.00* | *$ 8,625.00* | *$ -* | *$ 11,500.00* |
| *Pilot Testing and Quality Assurance* | *$ 1,125.00* | *$ 3,375.00* | *$ -* | *$ 4,500.00* |
| *Ongoing Support and Maintenance Setup* | *$ 1,125.00* | *$ 3,375.00* | *$ -* | *$ 4,500.00* |
| ***Establish referral systems*** | ***$ 4,375.00*** | ***$ 13,125.00*** | ***$ -*** | ***$ 17,500.00*** |
| *Implementation of Referral Tracking System* | *$ 1,125.00* | *$ 3,375.00* | *$ -* | *$ 4,500.00* |
| *Training for Healthcare Providers* | *$ 1,375.00* | *$ 4,125.00* | *$ -* | *$ 5,500.00* |
| *Pilot Testing and Quality Assurance* | *$ 750.00* | *$ 2,250.00* | *$ -* | *$ 3,000.00* |
| *Monitoring and Support for System Rollout* | *$ 1,125.00* | *$ 3,375.00* | *$ -* | *$ 4,500.00* |
| ***Perform DR screening in clinics*** | ***$ -*** | ***$ 39,300.00*** | ***$ 26,200.00*** | ***$ 65,500.00*** |
| *Operational Supplies and Consumables* | *$ -* | *$ 7,200.00* | *$ 4,800.00* | *$ 12,000.00* |
| *Community Awareness and Patient Outreach* | *$ -* | *$ 2,400.00* | *$ 1,600.00* | *$ 4,000.00* |
| *Patient Flow and Appointment Coordination* | *$ -* | *$ 1,200.00* | *$ 800.00* | *$ 2,000.00* |
| *Staffing Support and Screening Personnel Stipends* | *$ -* | *$ 21,600.00* | *$ 14,400.00* | *$ 36,000.00* |
| *Data Collection and Referral Tracking* | *$ -* | *$ 1,500.00* | *$ 1,000.00* | *$ 2,500.00* |
| *Quality Assurance and Compliance Monitoring* | *$ -* | *$ 5,400.00* | *$ 3,600.00* | *$ 9,000.00* |
| ***Launch mobile health units for DR screening*** | ***$ -*** | ***$ 35,000.00*** | ***$ 52,500.00*** | ***$ 87,500.00*** |
| *Vehicle Acquisition and Outfitting* | *$ -* | *$ 16,000.00* | *$ 24,000.00* | *$ 40,000.00* |
| *Screening Equipment and Supplies* | *$ -* | *$ 5,200.00* | *$ 7,800.00* | *$ 13,000.00* |
| *Staffing and Training* | *$ -* | *$ 2,000.00* | *$ 3,000.00* | *$ 5,000.00* |
| *Community Outreach and Patient Mobilization* | *$ -* | *$ 1,600.00* | *$ 2,400.00* | *$ 4,000.00* |
| *Operational Costs for Mobile Units* | *$ -* | *$ 8,800.00* | *$ 13,200.00* | *$ 22,000.00* |
| *Data Collection and Quality Assurance* | *$ -* | *$ 1,400.00* | *$ 2,100.00* | *$ 3,500.00* |
| ***Expand effective delivery of DR treatment*** | ***$ -*** | ***$ 40,850.00*** | ***$ 40,850.00*** | ***$ 81,700.00*** |
| *Needs Assessment and Treatment Capacity Planning* | *$ -* | *$ 1,600.00* | *$ 1,600.00* | *$ 3,200.00* |
| *Procurement of Treatment Supplies and Equipment* | *$ -* | *$ 19,500.00* | *$ 19,500.00* | *$ 39,000.00* |
| *Specialized Training for Healthcare Providers* | *$ -* | *$ 3,500.00* | *$ 3,500.00* | *$ 7,000.00* |
| *Patient Outreach and Treatment Awareness* | *$ -* | *$ 2,500.00* | *$ 2,500.00* | *$ 5,000.00* |
| *Patient Subsidies and Financial Support* | *$ -* | *$ 10,000.00* | *$ 10,000.00* | *$ 20,000.00* |
| *Monitoring, Evaluation, and Quality Assurance* | *$ -* | *$ 3,750.00* | *$ 3,750.00* | *$ 7,500.00* |

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| **Medicines and Technology** | **Advocate for consistent access to essential DR supplies** | **$ 9,400.00** | **$ 4,300.00** | **$ -** | **$ 13,700.00** |
| Stakeholder Engagement and Needs Assessment | $ 2,500.00 | $ - | $ - | $ 2,500.00 |
| Develop Advocacy Materials | $ 1,300.00 | $ - | $ - | $ 1,300.00 |
| Awareness and Media Campaign | $ 2,200.00 | $ - | $ - | $ 2,200.00 |
| Policy Advocacy Meetings and Roundtables | $ 2,400.00 | $ 2,000.00 | $ - | $ 4,400.00 |
| Supply Chain Engagement and Strategy Development | $ 1,000.00 | $ 800.00 | $ - | $ 1,800.00 |
| Monitoring and Evaluation | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| ***Procure diagnostic equipment for clinics*** | ***$ -*** | ***$ 140,000.00*** | ***$ -*** | ***$ 140,000.00*** |
| *Procurement of Screening Equipment* | *$ -* | *$ 120,000.00* | *$ -* | *$ 120,000.00* |
| *Procurement of Additional Supplies* | *$ -* | *$ 10,000.00* | *$ -* | *$ 10,000.00* |
| *Delivery and Installation of Equipment* | *$ -* | *$ 10,000.00* | *$ -* | *$ 10,000.00* |
| **Establish collaborative efforts with tech developers** | **$ -** | **$ 14,450.00** | **$ -** | **$ 14,450.00** |
| Identify and Engage Potential Tech Partners | $ - | $ 1,950.00 | $ - | $ 1,950.00 |
| Define Project Goals and Technology Needs | $ - | $ 2,800.00 | $ - | $ 2,800.00 |
| Prototype Development and Demonstration | $ - | $ 5,000.00 | $ - | $ 5,000.00 |
| Legal and Financial Agreement Development | $ - | $ 2,000.00 | $ - | $ 2,000.00 |
| Training and Capacity Building for Tech Integration | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| Monitoring, Feedback, and Adjustments | $ - | $ 1,200.00 | $ - | $ 1,200.00 |
| ***Pilot telemedicine tools for rural DR care*** | ***$ -*** | ***$ 30,120.00*** | ***$ 20,080.00*** | ***$ 50,200.00*** |
| *Needs Assessment and Technology Selection* | *$ -* | *$ 1,620.00* | *$ 1,080.00* | *$ 2,700.00* |
| *Procurement of Telemedicine Equipment and Software* | *$ -* | *$ 11,700.00* | *$ 7,800.00* | *$ 19,500.00* |
| *Infrastructure Setup and Connectivity* | *$ -* | *$ 1,500.00* | *$ 1,000.00* | *$ 2,500.00* |
| *Training for Healthcare Providers and Staff* | *$ -* | *$ 4,500.00* | *$ 3,000.00* | *$ 7,500.00* |
| *Pilot Operation and Data Collection* | *$ -* | *$ 8,700.00* | *$ 5,800.00* | *$ 14,500.00* |
| *Monitoring, Evaluation, and Reporting* | *$ -* | *$ 2,100.00* | *$ 1,400.00* | *$ 3,500.00* |

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| **Community Engagement** | **Design and distribute DR education materials** | **$ 8,800.00** | **$ 5,500.00** | **$ -** | **$ 14,300.00** |
| Content Development and Research | $ 2,300.00 | $ - | $ - | $ 2,300.00 |
| Design and Layout of Education Materials | $ 2,500.00 | $ - | $ - | $ 2,500.00 |
| Printing and Production of Materials | $ 4,000.00 | $ - | $ - | $ 4,000.00 |
| Distribution of Educational Materials | $ - | $ 2,300.00 | $ - | $ 2,300.00 |
| Digital Outreach and Social Media Campaign | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| Evaluation and Feedback Collection | $ - | $ 1,700.00 | $ - | $ 1,700.00 |
| **Organize community sessions on DR prevention** | **$ -** | **$ 25,900.00** | **$ -** | **$ 25,900.00** |
| Planning and Coordination | $ - | $ 2,800.00 | $ - | $ 2,800.00 |
| Local Partnerships and Community Outreach | $ - | $ 2,700.00 | $ - | $ 2,700.00 |
| Content Preparation and Translation | $ - | $ 2,500.00 | $ - | $ 2,500.00 |
| Community Session Delivery | $ - | $ 14,400.00 | $ - | $ 14,400.00 |
| Post-Session Follow-Up and Support Materials | $ - | $ 1,800.00 | $ - | $ 1,800.00 |
| Monitoring and Evaluation | $ - | $ 1,700.00 | $ - | $ 1,700.00 |
| **Monitoring and Evaluation** | **Mid-term evaluation** | **$ -** | **$ 15,000.00** | **$ -** | **$ 15,000.00** |
| Evaluation Planning and Framework Development | $ - | $ 2,300.00 | $ - | $ 2,300.00 |
| Data Collection from Project Sites and Stakeholders | $ - | $ 6,200.00 | $ - | **$ 6,200.00** |
| Data Analysis and Interpretation | $ - | $ 3,000.00 | $ - | $ 3,000.00 |
| Report Writing and Recommendations | $ - | $ 2,000.00 | $ - | $ 2,000.00 |
| Dissemination of Findings and Follow-Up | $ - | $ 1,500.00 | $ - | $ 1,500.00 |
| **Final project evaluation** | **$ -** | **$ -** | **$ 18,100.00** | **$ 18,100.00** |
| Evaluation Framework and Planning | $ - | $ - | $ 2,500.00 | $ 2,500.00 |
| Data Collection from Project Sites and Stakeholders | $ - | $ - | $ 7,500.00 | $ 7,500.00 |
| Comprehensive Data Analysis and Interpretation | $ - | $ - | $ 3,700.00 | $ 3,700.00 |
| Final Report Writing and Documentation of Lessons Learned | $ - | $ - | $ 2,700.00 | $ 2,700.00 |
| Dissemination of Findings and Stakeholder Workshop | $ - | $ - | $ 1,700.00 | $ 1,700.00 |
| **Publish and disseminate project outcomes report** | **$ -** | **$ -** | **$ 9,500.00** | **$ 9,500.00** |
| Final Report Editing and Formatting | $ - | $ - | $ 2,200.00 | $ 2,200.00 |
| Printing and Production of Physical Copies | $ - | $ - | $ 3,000.00 | $ 3,000.00 |
| Digital Publication and Online Distribution | $ - | $ - | $ 800.00 | $ 800.00 |
| Dissemination Event or Webinar | $ - | $ - | $ 2,000.00 | $ 2,000.00 |
| Media Outreach and Press Release | $ - | $ - | $ 1,000.00 | $ 1,000.00 |
| Monitoring Report Reach and Impact | $ - | $ - | $ 500.00 | $ 500.00 |