

**Table 1: Budget Breakdown by Mechanism**  
**U.S. President's Malaria Initiative - Ghana**  
**Planned Malaria Obligations for FY 2021**  
*Revised August 2, 2022*

<b>Mechanism</b>	<b>Activity</b>	<b>Budget</b>	<b>%</b>
CDC IAA	Support to FETP, CDC in-country staffing and administration, and SM&E-related CDC TDY	\$650,000	2%
Country Health Information Systems and Data Use (CHISU)	Integrated SME bilateral to provide TA support for data quality and support for USAID Ghana M&E	\$600,000	2%
G2G Ghana	Implementation of laboratory OTSS, clinical ISS, SMC, regional data review, verification and analysis, and malaria community engagement SBC activities	\$2,105,000	8%
Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	Commodity procurement, warehousing, and distribution of ITNs, SP, SPAQ, injectable artesunate, and supply chain TA	\$13,053,894	47%
PMI Impact Malaria	Implementation of clinical OTSS, TA on diagnostics	\$2,600,000	9%
PMI VectorLink	Entomological and insecticide resistance monitoring, IRS program implementation, TA for ITN continuous distribution, and ITN durability and monitoring	\$5,480,106	20%
Promoting the Quality of Medicines Plus (PQM+)	Support to Ghana FDA to regulate and monitor quality of antimalarial drugs	\$150,000	1%
Quality Services for Health (QS4H)	Strengthen facility-based service delivery	\$250,000	1%
Strengthening Health Systems ACCELERATOR	Strengthen community-based service delivery	\$450,000	2%
TBD Ghana Bilateral	SBC Bilateral to support mass media malaria activities and SBC capacity building of NMCP and HPD	\$1,350,000	5%
USAID	USAID in-country staffing and administration	\$1,311,000	5%
<b>TOTAL</b>		<b>\$28,000,000</b>	<b>100%</b>

**Table 2: Budget Breakdown by Activity**  
**U.S. President's Malaria Initiative - GHANA**  
**Planned Malaria Obligations for FY 2021**  
*Revised August 2, 2022*

Proposed Activity	Mechanism	Budget (in \$)	Geographic Reach of PMI Activity		Description of Proposed Activity
			If coverage is focused by region(s), name(s) of region(s)	If coverage is focused by district(s), name(s) of district(s)	
<b>VECTOR CONTROL</b>					
<b>Entomological Monitoring</b>					
Support Entomologic Monitoring	PMI VectorLink	\$400,000	North East, Northern, To Be Determined	To Be Determined	Maintain expanded support for routine entomological monitoring in additional sites to address gaps in geographic coverage. The total number of sites is to be determined, but will aim to capture entomological indicators across ecological zones and different vector control interventions (e.g., IRS, pyrethroid ITNs, pyrethroid + PBO ITNs). Activities will include monthly vector bionomics monitoring, spray quality assurance and residual efficacy monitoring in IRS districts, annual insecticide susceptibility testing to monitor insecticides used for IRS in PMI spray districts, and molecular analysis of entomological samples. This activity will leverage existing and new partnerships with local research institutions as well as the NMCP. Funding will support capacity building at each institution as well as at the national level, including training and equipment for the National Insecticide Resistance Monitoring Partnership (NIRMOP).
Support Entomologic Monitoring	PMI VectorLink	\$120,000	Nationwide		In coordination with the Global Fund, support insecticide resistance monitoring at 30 National Insecticide Resistance Monitoring Partnership (NIRMOP) sentinel sites. Funding directly supports Noguchi Memorial Institute for Medical Research (NMIMR) to oversee field work, laboratory analysis of specimens, data management and analysis, and reporting.
<b>Subtotal : \$520,000</b>					
<b>Insecticide-Treated Nets</b>					
Procure ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$5,144,859	Nationwide		Procure approximately 1,500,000 PBO ITNs for the May /June 2022 school-based distribution

Procure ITNs for Mass Campaigns	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$3,120,466	Nationwide	Procure 966,088 PBO ITNs for the 2024 mass ITN distribution campaign. Existing commodity pipeline and FY 2022 funds will be used to procure the remainder of PMI's total contribution of 3,000,000 ITNs for the campaign.
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Other ITN Implementation	PMI VectorLink	\$650,000	Nationwide	Provide technical assistance to support GHS/NMCP in continuous distribution of ITNs through ANC and CWC clinics in health facilities. Funds will support the costs of training, planning, supervision, operations, monitoring and reporting. Funds will also support targeted districts quantification and management of ITNs for continuous distribution based on needs identified from supervision visits.
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**Subtotal : \$8,915,325**

**Indoor Residual Spraying**

IRS Implementation	PMI VectorLink	\$3,168,034	North East, Northern	Bunkpurugu - Nakpanduri, East Mamprusi, Gushiegu, Karaga, Kumbungu, Mamprugu-Moagduri, Tatale-Sangule, West Mamprusi, Yunyoo-Nasuan	Support IRS implementation in nine districts in the Northern and North East Regions. Funding will support spray operations, logistics, procurement of equipment, SBCC activities including community mobilization, monitoring of spray coverage, and supervision (GHS, EPA, Noguchi) in collaboration with the NMCP, MaVCOC, the AGAMal IRS program, and other partners.
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Procure Insecticides for IRS	PMI VectorLink	\$1,100,000	North East, Northern	Bunkpurugu - Nakpanduri, East Mamprusi, Gushiegu, Karaga, Kumbungu, Mamprugu-Moagduri, Tatale-Sangule, West Mamprusi, Yunyoo-Nasuan	Procurement of insecticide for IRS in nine districts.
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**Subtotal : \$4,268,034**

**SBC for Vector Control**

SBC Implementation for Vector Control	TBD Ghana Bilateral	\$300,000	Nationwide	Funding will support capacity building of NMCP, HPD, RHMT, and DHMT to deliver appropriate SBC activities for vector control in line with stratification in the NMSP, and support attendance in SBC-specific trainings or conferences. Support will include below the line activities through the malaria community engagement program as well as above the line mass media malaria activities.
SBC Implementation for Vector Control	G2G Ghana	\$200,000	Nationwide	Support the GHS Health Promotion Division (HPD) to strengthen malaria SBC activities through expansion of malaria community engagement and outreach. Support will engage CHPS nurses, health officers, and health volunteers to engage with communities to identify barriers and promote consistent care and use of ITNs in communities, and correct IRS compliance in target districts.

**Subtotal : \$200,000****Total : \$14,203,359****DRUG-BASED PREVENTION****Prevention of Malaria in Pregnancy**

Procure IPTp-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$232,800	Nationwide	Procure approximately 970,000 SP treatments to ensure adequate supply for pregnant women to receive three doses throughout their pregnancies. This is intended to serve as a buffer stock to ensure an adequate and consistent supply as GoG continues strengthen their procurement processes.
MIP Implementation	PMI Impact Malaria	\$450,000	Nationwide	Support health care workers at health facilities and CHPS compounds in all 16 regions to effectively deliver malaria prevention services to pregnant women, including supportive supervision and on-site training of IPTp at every ANC visit and ensuring the distribution of an ITN at first ANC visit.

**Subtotal : \$682,800****SMC**

Procure SMC-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,034,269	North East, Northern, Savannah	Procure 100% of the required SP+AQ, approximately 2,795,322 doses, representing four monthly doses for approximately 643,500 children (ages 3-59 months) for the June 2022 SMC campaign in Northern, North East, and Savannah regions.
SMC Implementation	G2G Ghana	\$755,000	North East, Northern, Oti, Savannah	Support operational costs associated with the June 2021 SMC campaign in Northern, North East, Oti, and Savannah regions. The GHS/PMU through NMCP will implement this activity.

**Subtotal : \$1,789,269**

**SBC**

SBC Implementation for Prevention	TBD Ghana Bilateral	\$300,000	Nationwide	Funding will support capacity building of NMCP, HPD, RHMTs and DHMTs to deliver appropriate SBC interventions for MIP and SMC, and support attendance in SBC-specific trainings or conferences. Support will also include below the line activities through the malaria community engagement program as well as above the line mass media malaria activities.
SBC Implementation for Prevention	TBD Ghana Bilateral	\$150,000	Nationwide	Support the GHS Health Promotion Division (HPD) to strengthen malaria SBC activities through expansion of malaria community engagement and outreach. Support will engage CHPS nurses, health officers, and health volunteers to engage with communities and promote correct and consistent uptake of both preventative malaria interventions.

**Subtotal : \$150,000****Total : \$2,922,069****CASE MANAGEMENT****Procure Case Management-Related Commodities**

Procure RDTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,250,000	Nationwide	Procure approximately 2,500,000 RDTs, to fill identified gaps and ensure that health facilities maintain capacity to test fevers and diagnose malaria cases.
Procure Drugs for Severe Malaria	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$871,500	Nationwide	Support the national injectable and rectal artesunate needs for severe malaria: procure approximately 150,000 vials of injectable artesunate, covering ~60% of the annual needs.

**Subtotal : \$2,121,500****Case Management Implementation**

Facility-based case management	PMI Impact Malaria	\$800,000	Nationwide	Support routine malaria-specific OTSS using the NMCP checklist to strengthen malaria diagnosis and treatment and provide in-service training for prescribers. Support will encourage the engagement of regional and district health management and supervision teams to conduct quarterly clinical OTSS visits at district hospitals and health centers, respectively. Provide support to ICD for implementation of integrated supportive supervision using ICD checklist.
Facility-based case management	Quality Services for Health (QS4H)	\$250,000	Nationwide	Strengthen the quality of case management service provided at all levels of the health pyramid, ensure that national guidelines are up to date and disseminated, strengthen coordination at national level between MOH Agencies including NHIA, HEFRA, and GHS.
Facility-based case management	G2G Ghana	\$200,000	Nationwide	Contribute along with MCH, FP, and HIV to GHS integrated supportive supervision (ISS) to implement a comprehensive care checklist including supply chain, management, quality assurance, etc. to improve case management throughout the Ghana health system.

Community-based case management	Strengthening Health Systems ACCELERATOR	\$450,000		Build on USAID and PMI Ghana past investment to strengthen the health system in particular (1) strengthen overall stewardship and capacity within the health sector to drive health systems change (2) support the National Health Insurance Authority (NHIA) to become a more strategic purchaser, (3) support the process of implementing and refining Ghana's UHC Roadmap, (4) advance the continuation, transition, and scale-up of Primary Care Provider (PCP) Networks, (5) support data systems governance, data harmonization, and overall interoperability of key health information systems, including the expansion of E-tracker.
Community-based case management	PMI Impact Malaria	\$1,350,000	Nationwide	Support routine malaria-specific OTSS using the NMCP checklist to strengthen malaria diagnosis and treatment and provide in-service training for prescribers. Support will encourage the engagement of district health management and supervision teams to conduct quarterly clinical OTSS visits at CHPS compounds. CHPS outreach activities to the community (house-to-house) will also be strengthened, in application of OTSS findings.
Community-based case management	G2G Ghana	\$200,000	Nationwide	Contribute along with MCH, FP, and HIV to GHS integrated supportive supervision (ISS) to implement a comprehensive care checklist including supply chain, management, quality assurance, etc. to improve case management throughout the Ghana health system.
Other Case Management Implementation	G2G Ghana	\$300,000	Nationwide	Support GHS ICD to conduct laboratory OTSS and malaria diagnostic training-of-trainers on a quarterly basis. Funds will support the continued quality improvement of malaria microscopy, RDT use and scale-up, and coordination between laboratory staff and prescribers.

**Subtotal : \$3,550,000**

**SBC**

SBC Implementation for Case Management	TBD Ghana Bilateral	\$300,000	Nationwide	Funding will support capacity building of NMCP, HPD, RHMTs and DHMTs to deliver appropriate SBC interventions for case management, and support attendance in SBC-specific trainings or conferences. Support will include below the line activities through the malaria community engagement program as well as above the line mass media malaria activities.
SBC Implementation for Case Management	G2G Ghana	\$250,000	Nationwide	Support the GHS Health Promotion Division (HPD) to strengthen malaria SBC activities through expansion of malaria community engagement activities. Support will engage CHPS nurses, health officers, and health volunteers to engage with communities to promote malaria care-seeking behaviors.

**Subtotal : \$250,000****Total : \$6,221,500****SUPPLY CHAIN****In-Country Supply Chain**

Warehousing and Distribution	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$300,000	Nationwide	Central warehousing and transportation of malaria commodities from central to regional levels.
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$900,000	Nationwide	Provide technical assistance for strengthening logistics, warehousing, and distribution to improve availability of malaria commodities, in accordance with the national Supply Chain Master Plan. Activities will focus on addressing weaknesses in supply management, forecasting, transportation, and reporting systems. Support EUV surveys to monitor the status of facility-level commodity stock levels including both WHO pre-qualified and locally procured ACTs and identify ongoing programmatic successes and challenges. Technical assistance will also address the local procurement of non-quality assured anti-malarial drugs by health facilities and regional health and RMS staff.
Warehousing and Distribution	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$200,000	To Be Determined	Support Last mile distribution in coordination with GF, covering at least three regions

Ensuring drug and other health product quality

Promoting the Quality of Medicines Plus (PQM+)

\$150,000

Nationwide

Provide support for continued strengthening of the GH-FDA's capacity to effectively monitor quality of anti-malarial drugs available in Ghana. Support to GH-FDA to monitor and regulate locally procured non-WHO pre-qualified antimalarial drugs including batch testing of Ghana manufactured ACTs, SP and severe malaria drugs including support to increase regulation and removal of drugs that fail quality testing. GH-FDA will be supported PMI will support the GH-FDA to build the capacity of local manufacturers to meet GMP and WHO pre-qualification standards.

**Subtotal : \$1,550,000**

**Total : \$1,550,000**

**MONITORING, EVALUATION & RESEARCH**

**Surveillance, Monitoring, and Evaluation**

Support Routine Surveillance

Country Health Information Systems and Data Use (CHISU)

\$600,000

Nationwide

Provide technical assistance and support to improve data quality. Ensure development and use of sub-district and facility-specific dashboards. Support the Frontline Field Epidemiology and Laboratory Training Program (FELTP) to train district, sub-district, and health center health care workers in data analysis and use.

Support Routine Surveillance

TBD Ghana Bilateral

\$300,000

Nationwide

Support USAID Ghana mission Monitoring and Evaluation (M&E) project to provide data for PPR and other USAID reporting requirements.

Support Routine Surveillance

G2G Ghana

\$200,000

Nationwide

Support the implementation of e-tracker through the PPME to strengthen and improve malaria routine data, analysis, and evidence based decision making.

Support to FETP

CDC IAA

\$120,000

Nationwide

Support long-term training of individuals to build capacity at the NMCP or GHS in epidemiology, M&E, or other malaria program management functions as needed through the Field Epidemiologic and Laboratory Training Program, which was established with USG support at the University of Ghana's School of Public Health in collaboration with the GHS. One trainee to conduct an evaluation of SMC.

**Subtotal : \$1,220,000**

**Operational Research**

Other SM&E Implementation

PMI VectorLink

\$42,072

Ashanti, Greater Accra, Northern, Western

Support the NMCP for an assessment of the efficacy of ongoing larval source management in selected urban and peri-urban areas.

**Subtotal : \$42,072**

**Total : \$1,262,072**



**STAFFING & ADMINISTRATION**

USAID In-Country Staffing and Administration: Staffing	USAID	\$771,000	Salaries, benefits, and administrative-related costs for in-country PMI staff, including the USAID Resident Advisor and Foreign Service Nationals, as well as office equipment and supplies.
USAID In-Country Staffing and Administration: Administration	USAID	\$540,000	Support administrative and oversight costs in support of PMI activities in Ghana and support of activities as needed by the USAID Mission.
CDC In-Country Staffing and Administration	CDC IAA	\$530,000	Salary, benefits, and administrative-related costs of in-country PMI CDC resident advisor, and support of activities as needed by the USAID Mission.

**Subtotal : \$1,841,000****Total : \$1,841,000****GRAND TOTAL: \$ 28,000,000**