

Table 1: Budget Breakdown by Mechanism
U.S. President's Malaria Initiative - LIBERIA
Planned Malaria Obligations for FY 2020
Revised June 30, 2020

Mechanism	Activity	Budget	%
Liberia FARA	Implementation of MIP and Case Management activities by CHTs.	\$1,000,000	7%
Strategic Technical Assistance for Improved Health Systems (STAIP)	Technical assistance to CHTs for MIP, Case Management, and SM&E activities; OR addressing IPTp uptake.	\$1,500,000	11%
TBD - Liberia Community Bilateral	Technical assistance, training, and materials for iCCM	\$1,000,000	7%
PMI VectorLink	Entomologic monitoring; ento and epi monitoring of impact of nets dsitributed in 2021 campaign.	\$750,000	5%
Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	Procurement of ITNs, SP, RDTs, ACTs, and severe malaria medicines; warehousing and distribution of commodities; strengthening the supply chain system at the CMS and CHT levels; EUVs; eLMIS.	\$4,675,454	33%
Promoting the Quality of Medicines Plus (PQM+)	Antimalarial drug quality monitoring; support to LMHRA.	\$400,000	3%
Breakthrough Action	SBCC technical assistance at the central, county, school, and community level.	\$750,000	5%
PMI Measure Malaria	LTTA to strengthen NMCP M&E capacity.	\$600,000	4%
MEASURE DHS	Support the 2022 MIS	\$1,500,000	11%
Peace Corps	Inclusion of malaria messages in schools, as well as community activities.	\$40,000	0%
CDC Interagency Agreement	Technical assistance for entomologic monitoring, ITN campaign and case management; CDC staffing and administration.	\$513,000	4%
USAID	Staffing and administration	\$1,061,546	8%
Malaria Data Integration and Visualization for Eradication (M-DIVE)	PMI Data Analytics	\$105,000	1%
Digital Square Project	Digital community health	\$105,000	1%
TOTAL		\$14,000,000	100%

Table 2: Budget Breakdown by Activity
U.S. President's Malaria Initiative - LIBERIA
Planned Malaria Obligations for FY 2020
Revised June 30, 2020

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)	
VECTOR CONTROL					
Entomological Monitoring					
Support Entomologic Monitoring	PMI VectorLink	\$600,000		To Be Determined	Support routine entomological monitoring activities to ensure data is collected on a monthly basis in four established sites to assess malaria vector density, species composition, feeding time and location. Insecticide susceptibility testing (for both <i>An. gambiae</i> and <i>An. funestu s</i> , where present) will be conducted at one site in each of the country's 15 counties at least once every two years. Testing will prioritize pyrethroids (including resistance intensity assays) and synergists and new insecticides for ITNs. In addition, funding will support molecular analyses for species identification, sporozoite infection rates, and blood meal source, as well as assessing mechanisms of resistance. Funding will also support maintenance of the insectary.
Subtotal : \$600,000					
Insecticide-Treated Nets					
Procure ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$290,400		Nationwide	Procure about 480,000 Dual Active Ingredient (Dual AI) ITNs for routine distribution (ANC, institutional delivery, and institutions). The majority of the funding for these nets will be from FY2018 MOP reprogramming.
Distribute ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$280,000		Nationwide	ITN distribution, including warehousing and transportation down to the county level.
Distribute ITNs for Mass Campaigns	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$550,000		Nationwide	Support the planning and implementation of 2021 ITN mass distribution campaign
Other ITN Implementation	PMI VectorLink	\$150,000		To Be Determined	Support entomological (expanded beyond routine sites) and epidemiological (routine HMIS) data collection as part of a multi-year assessment of the 2021 mass distribution of Interceptor G2 ITNs.
Subtotal : \$1,270,400					
Indoor Residual Spraying					
IRS Implementation					
Subtotal : \$0					

SBC for Vector Control

SBC Implementation for Vector Control	Breakthrough ACTION	\$350,000	Nationwide		SBC activities will focus on improving access, care and sustained use of ITNs for the routine health facility-based and school-based ITN programs and the upcoming 2021 mass distribution campaign. SBC activities will focus on: increasing awareness of the benefits of ITNs, including during pregnancy; increasing demand for ITNs during first ANC visit and at delivery; increasing the proportion of individuals who perceive themselves to be in danger if they do access and use a net properly all year round; increasing community prioritization, dialog, and actions for improved ITN access and use. One KAP survey will be supported per year to monitor. Various communication channels will be used depending on target audience. With Peace Corps, support malaria messaging in schools.
---------------------------------------	---------------------	-----------	------------	--	--

Subtotal : \$350,000

Total : \$2,220,400

DRUG-BASED PREVENTION

Prevention of Malaria in Pregnancy

Procure IPTp-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$101,250	Nationwide		Procure approximately 675,000 SP treatments to ensure an adequate supply for pregnant women to receive three doses throughout their pregnancy.
MIP Implementation	Liberia FARA	\$300,000		Bong, Grand Cape Mount, Grand Gedeh, Lofa, Nimba, River Gee	At the facility level, continue in-service training for malaria in pregnancy; support CHTs in supervision of health workers at ANC facilities; community outreach. In addition, support will be provided for the MoH and CHTs to supervise health facilities in focus counties every quarter.
MIP Implementation	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$200,000	Central	Bomi, Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Grand Kru, Lofa, Margibi, Maryland, Montserrado, Nimba, River Gee	Improve quality of care and adherence to standards for MIP in 6 PMI-supported counties. This includes strengthening CHTs capacity to deliver quality MIP services through effective in service training, supportive supervision, and mentoring at the county and facility level, targeting especially low performing health facilities with high missed opportunities and dropout rates for IPTp; support for health worker interpersonal communication; provide technical assistance to MOH Reproductive Health Division and NMCP to plan for MIP nationwide; support the coordination structures at central and county levels; and mentoring on filing MIP data in HMIS registers and reporting. In the six FARA counties, wrap around technical assistance will be provided to the CHTs. The World Bank performance-based financing will scale up similar interventions in Gbapolu, River Cess, and Sinoe Counties.

Subtotal : \$601,250

SMC

SMC Implementation

Subtotal : \$0

SBC

SBC Implementation for Prevention	Breakthrough ACTION	\$100,000	Nationwide	SBC activities will focus on addressing health worker attitude, practice, and missed opportunities for IPTp and ITNs for pregnant women. The SBC activities will focus on reducing missed opportunities and IPTp drop out rates for IPTp by increasing pregnant women's confidence and ability to ask for SP during ANC; improving health worker attitude and practice for IPTp; and advocating for structural, organizational, and system changes that affect IPTp uptake. One KAP survey will be supported per year to monitor. Various communication channels will be used depending on target audience. With Peace Corps, support malaria messaging in schools.
-----------------------------------	---------------------	-----------	------------	---

Subtotal : \$100,000

Total : \$701,250

CASE MANAGEMENT

Procure Case Management-Related Commodities

Procure RDTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$756,000	Nationwide	Procure approximately 2.1 million single species (<i>P. falciparum</i> only) RDTs for the public sector, community case management providers, and private sector facilities having an memorandum of understanding with the NMCP. This quantity represents the entire need for Liberia.
Procure ACTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$517,364	Nationwide	Procure approximately one million ACT treatments for the public sector, community case management providers, and private sector facilities having an MOU with the NMCP.
Procure Drugs for Severe Malaria	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$440,440	Nationwide	Procure approximately 182,000 vials of injectable artesunate for use in public hospitals.
Procure Other Treatment-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$60,000	Nationwide	Procure 1 million Quinine Tablets for treatment of pregnant women in the first trimester.
Procure Drugs for Severe Malaria	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$5,000	Nationwide	Procure approximately 10,000 capsules of rectal artesunate for community health workers to administer as pre-referral treatment for severe malaria cases in children.

Subtotal : \$1,778,804

Case Management Implementation

Facility-based case management	Liberia FARA	\$700,000		Bong, Grand Cape Mount, Grand Gedeh, Lofa, Nimba, River Gee	Strengthen CHT capacity for supportive supervision at county, district and facility level for improving malaria diagnosis and prompt and appropriate treatment of malaria. Activities will emphasize clinicians' adherence to test results, use of case management algorithms, reporting of malaria data to the HMIS, and triangulation of data for decision-making.
Facility-based case management	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$500,000		Bomi, Bong, Grand Bassa, Grand Cape Mount, Grand Gedeh, Grand Kru, Lofa, Margibi, Maryland, Montserrado, Nimba, River Gee	Strengthen CHT capacity for delivering quality case management in the six counties, focusing on improving quality of testing and test rates, adherence to malaria test results, and rational use of ACTs. This includes: strengthening capacity for effective in service training, supportive supervision, and mentoring at the county, district, and facility level; support for health worker interpersonal communication; clinicians' adherence to test results, use of case management algorithms, reporting of malaria data to the HMIS, and triangulation of data for decision-making. In the six FARA counties, wrap around technical assistance will be provided to the CHTs. The World Bank performance-based financing will scale up similar interventions in the Gbapolu, River Cess, and Sinoe Counties.
Community-based case management	TBD - Liberia Community Bilateral	\$1,000,000		Bong, Lofa, Nimba	Support MoH/NMCP for iCCM training, coordination, and oversight, and support CHT oversight and supportive supervision of iCCM. Capacity development of community-based health workers including training in prompt diagnosis and appropriate treatment of malaria and technical assistance for iCCM scale-up. PMI will leverage support from other USAID health elements for iCCM, with PMI supporting the training and materials.
Private sector case management	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$100,000		Margibi, Montserrado, Nimba	Support training, provision of treatment guidelines to improve malaria case management and MIP in private health facilities. Engage professional bodies to improve adherence to malaria treatment guidelines. Follow up on findings from the private sector assessment.
National-level support for case management	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$150,000	Central		Technical assistance to MoH to plan and implement malaria diagnostic activities nationwide in collaboration with the NPHRL, NDU, CDOs, and NMCP in order to increase the provision and maintenance of quality diagnostic services.

Subtotal : \$2,450,000

SBC

SBC Implementation for Case Management	Breakthrough ACTION	\$200,000	Nationwide		SBC activities will focus on addressing health worker adherence to malaria test results and rational use of ACTs as well as addressing community early health seeking behaviors and presumptive treatment of malaria. SBC activities will be designed to change attitudes, increase knowledge and practice. SBC activities will focus on: increasing the proportion of fever cases tested for malaria; increasing the proportion of confirmed malaria cases that receive the correct treatment according to the national treatment guidelines; reducing clinical diagnosis of malaria, reducing the proportion of malaria negative cases that receive ACTs (irrational use of ACTs), reducing the use of SP for treatment of uncomplicated malaria; reducing the practice of self-medication. One KAP survey will be supported per year to monitor. Various communication channels will be used depending on target audience. With Peace Corps, support malaria messaging in schools.
--	---------------------	-----------	------------	--	---

Subtotal : \$200,000

Total : \$4,428,804

SUPPLY CHAIN

In-Country Supply Chain

Warehousing and Distribution	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$450,000	Nationwide	Support warehousing and distribution costs of malaria commodities from the central Caldwell warehouse to County Depots, and last mile distribution as needed.
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$100,000	Nationwide	Support improved storage conditions for all commodities at county depots.
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$300,000	Central	Support new CMS warehouse operations, ongoing mentoring to CMS, supervision, forecasting and quantification, implementation of the new eLMIS in line with revised Supply Chain Master Plan (SCMP).
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$700,000	Nationwide	Expand support to regional or county depots and CHTs to rationalize commodity management, storage, supervision, and reporting (eLMIS) in line with revised SCMP.
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$125,000	Nationwide	Support three EUV surveys per year to monitor malaria commodity availability and malaria case management practices at public health facilities and county depots.
Ensuring drug and other health product quality	Promoting the Quality of Medicines Plus (PQM+)	\$400,000	Nationwide	Monitor antimalarial drug quality and support regulation and rational use of pharmaceuticals. Strengthen LMHRA, Pharmacy Board, and MOH systems for pharmaceutical regulation, including antimalarial quality testing and sampling.

Subtotal : \$2,075,000

Total : \$2,075,000

MONITORING, EVALUATION & RESEARCH

Surveillance, Monitoring, and Evaluation

Support Routine Surveillance	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$250,000	Nationwide	Strengthen data collection, aggregation, and use (county level) and reporting. Support the CHTs to collect and report data through the HMIS (including community data from gCHVs and CHAs in the CBIS) and utilize the data to track key malaria indicator trends in the health facilities and communities in each county. Support CHTs to conduct routine data quality reviews.
Other SM&E Implementation	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$100,000	Central	Strengthen data collection and dissemination for decision making (national level). Strengthen malaria reporting in DHIS2; support NMCP to hold quarterly regional workshops to review data from HMIS, household surveys, health facility surveys, EUV data, and partner reports to monitor key malaria indicators and use data for decision making at the central level. Support M&E TWGs; strengthen linkages with the central MOH M&E unit (HMER).

Other SM&E Implementation	PMI Measure Malaria	\$600,000	Central	Support a LTTA to strengthen the M&E capacity of the NMCP, including planning, collection, and analysis of data. Including visits to the CHTs and health facilities to address data quality. Support NMCP to work with HMER on DQA for HMIS and eLMIS data. Secondary analysis of 2019 DHS and 2020 MIS.
Support surveys	MEASURE DHS	\$1,500,000	Nationwide	Support the 2022 MIS.
PMI Data Analytics	Malaria Data Integration and Visualization for Eradication (M-DIVE)	\$105,000	Central	Support for data analytics using the PMI M-DIVE platform.
Digital Community Health	Digital Square Project	\$105,000	Central	Support PMI's acceleration of health equity through the development, adoption, scale, and delivery of digital health innovations.

Subtotal : \$2,660,000

Operational Research

OR Implementation

Subtotal : \$0

Total : \$2,660,000

OTHER HEALTH SYSTEMS STRENGTHENING

Support to Peace Corps	Peace Corps	\$40,000	Nationwide	Support for Peace Corps volunteers to educate school-age children and teenage parents on malaria prevention. PMI will support three malaria Peace Corps volunteers and provide support for malaria education activities carried out by other volunteers.
Other Health Systems Strengthening Implementation	Strategic Technical Assistance for Improved Health Systems (STAIP)	\$200,000	Central	Strengthen NMCP technical capacity and program management. Strengthen collaboration between the NMCP and other units in the MoH and agencies like NPHIL and LMHRA. Specific activities will include organization of coordination meetings, site visits, and annual NMCP data and program review meetings. Support NMCP staff technical capacity building including attendance at international meetings and conferences and training courses.
Other Health Systems Strengthening Implementation	Breakthrough ACTION	\$100,000	Central	Technical assistance to MOH Health Promotion and Community Health Units to develop and disseminate malaria messages using various channels like media, posters, leaflets, audio messages both in English and local languages. Technical assistance to the NMCP to revise the malaria communication strategy, support NMCP and MOH SBC coordination, and developing strategies and plans for monitoring SBC activities.

Subtotal : \$340,000

Total : \$340,000

STAFFING & ADMINISTRATION

Vector Control-Related CDC TDY	CDC IAA	\$29,000	Central	Funding for two CDC technical assistance visits. One visit will provide training on laboratory techniques (ELISAs for detection of sporozoites and PCR for molecular vector species identifications) at LIBR, and refreshers for conducting CDC bottle bioassays for insecticide susceptibility and resistance intensity testing. A second visit will focus on data management, use, and reporting for evidence-based decision making and advocacy among vector control stakeholders.
Vector Control-Related CDC TDY	CDC IAA	\$10,000	Central	Technical assistance for monitoring dual AI nets.
Case Management-Related CDC TDY	CDC IAA	\$10,000	Central	One technical assistance visit to the NMCP and the National Reference Laboratory for monitoring and improvement of quality assurance activities for malaria diagnostics at all levels of the health care system, including testing by private facilities and iCCM.
USAID In-Country Staffing and Administration: Staffing	USAID	\$781,546	Central	Salaries and benefits, as well as administrative-related costs of in-country PMI staff, including one USAID Resident Advisor, one full-time PMI Foreign Service National, and one half of USAID Supply Chain FSN.
USAID In-Country Staffing and Administration: Administration	USAID	\$280,000	Central	Support administrative and oversight costs in support of PMI activities in Liberia and support of activities as needed by the mission.
CDC In-Country Staffing and Administration	CDC IAA	\$464,000	Central	Salaries and benefits, as well as administrative-related costs of in-country PMI CDC Resident Advisor, and support of activities as needed by the mission.

Subtotal : \$1,574,546**Total : \$1,574,546****GRAND TOTAL: \$14,000,000**