

**Table 1: Budget Breakdown by Mechanism
President's Malaria Initiative - BENIN
Planned Malaria Obligations for FY 2019**

Mechanism	Activity	Budget	%
Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	Procurement of malaria commodities	\$4,405,000	27.5
PMI VectorLink	2020 IRS campaign	\$4,190,000	26.2
USAID	Malaria and cross-cutting staff costs	\$1,540,000	9.6
Integrated Health Services Activity	Malaria components of integrated health project in 4 depts	\$1,950,000	12.2
Benin NMCP FARA	RMIS, enhanced surveillance, communications	\$1,120,000	7.0
Global Health Supply Chain (GHSC)-TA Francophone	Supply chain technical assistance	\$900,000	5.6
CDC IAA	PMI/CDC RA plus TA for entomology, IRS and malaria diagnostics	\$490,000	3.1
Community PIHI	Transition of C-PIHI from 10 HZs to support in 4 Depts	\$550,000	3.4
Private Sector Health Partnership Activity	Enhance the management of malaria cases by private healthcare providers	\$550,000	3.4
Centre de Recherche Entomologique de Cotonou (CREC)	Vector control research and monitoring	\$0	0.0
Governance Consultant, Research and Logistics Services Activity	Technical assistance for NMCP institutional capacity strengthening	\$140,000	0.9
Citizen Oversight of Malaria Activities	Monitoring of malaria commodities and services and training of journalists	\$100,000	0.6
Peace Corps	Community-based malaria activities supported by Peace Corps Volunteers	\$30,000	0.2
Environmental Compliance Operational Support (ECOS)	Independent environmental monitoring compliance for IRS	\$35,000	0.2
Benin NMCP Special Account	Monitoring and capacity building for malaria diagnosis	\$0	0.0
TOTAL		\$16,000,000	100.0

**Table 2: Budget Breakdown by Activity
President's Malaria Initiative - BENIN
Planned Malaria Obligations for FY 2019**

Proposed Activity	Mechanism	Budget (in \$)	Geographic Reach of PMI Activity		Description of Proposed Activity
			If coverage is focused by department, name(s) of department(s)	If coverage is focused by commune, name(s) of commune(s)	
INSECTICIDE-BASED PREVENTION					
Entomologic Monitoring and Insecticide Resistance Management					
Entomologic Monitoring and Insecticide Resistance Management Implementation	Centre de Recherche Entomologique de Cotonou (CREC)	\$0		Copargo, Djougou, Gogounou, Kandi, Natitingou, Ouake, Segbana	Support for basic entomological monitoring in old and new IRS sites as well as support to conduct a socio-behavioral study on outdoor sleeping patterns in Northern Benin for IRS decision making. Support a study on the quantification of malaria vector resistance to insecticide in Benin and the dissemination of CREC research results. Funds from FY 2017 pipeline (\$220K)
Entomologic-Related CDC TDY	CDC IAA	\$15,000	Central		Funding for one technical assistance visit from CDC to support entomological surveillance with particular emphasis on coordination of vector monitoring efforts, particularly for mosquito bionomics sampling, and use of data with partners for decision making. Emphasis will also be placed on synergist and insecticide resistance intensity testing
Subtotal : \$15,000					
Insecticide-Treated Nets					
Procure ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,837,500	Nationwide		Procure approximately 750,000 ITNs (at \$2.45) for distribution at ANC and EPI clinics.
Procure ITNs for Mass Campaigns	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$0	Nationwide		Procure approximately 2.8 million ITNs to cover gap for the 2020 mass campaign (461,313 with FY 2015 funds, 1,130,960 with FY2016 funds, 750,000 with FY 2017 funds, 450,000 from commodity pipeline)
Distribute ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,200,000	Nationwide		Distribute 750,000 ITNs from port to health facilities (\$1.60 per net)
Distribute ITNs for Mass Campaigns	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$0	Nationwide		Global Fund will cover costs associated with distribution of all 7.4 million nets for distribution campaign
Support ITN Durability Monitoring	Centre de Recherche Entomologique de Cotonou (CREC)	\$0	Nationwide		Year one support for prospective ITN monitoring to follow ITNs distributed during the 2020 universal coverage campaign, which will provide data on: 1) net survivorship and physical integrity; 2) bio-efficacy of insecticides; and 3) insecticidal content. Funded by FY2017 pipeline (\$100,000)
Subtotal : \$3,037,500					

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Indoor Residual Spraying					
IRS Implementation	PMI VectorLink	\$4,190,000		Copargo, Djougou, Gogounou, Kandi, Kerou, Ouake, Pehunco, Segbana	Continue support for spray operations in eight communes where IRS is currently being performed, covering approximately 400,000 structures. Budget includes support for planning, procurement of insecticides, payment of spray operators, environmental management, community mobilization, monitoring, etc.
IRS Implementation	Benin NMCP FARA			Gogounou, Kandi, Segbana	Funding level to be determined after and contingent upon the capacity assessment of the 2018 operations in consultation with the VMCT to determine which roles may be turned over to the government. If approved, the final amount allocated to this activity will be deducted from the IRS implementation budget above through a reprogramming memo.
Support Independent Environmental Monitoring	Environmental Compliance Operational Support (ECOS)	\$35,000		Alibori, Atacora, Donga	Support for an independent environmental monitoring compliance visit to ensure that the IRS program is being implemented in accordance with best environmental practices. Last review done in 2018.
IRS-Related CDC TDY	CDC IAA	\$15,000	Central		Funding for one technical assistance visit from CDC to support IRS.
Subtotal : \$4,240,000					
Total : \$7,292,500					
MALARIA IN PREGNANCY					
Procure IPTp-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$0	Nationwide		Approximately 1.4 million SP doses to ensure an adequate supply for pregnant women to receive three doses throughout their pregnancy. Using 2018 900,000 dose surplus and 500,000 doses covered by GOB.
Other MIP Implementation	Benin NMCP FARA	\$230,000		To Be Determined	Support community outreach of ANC with malaria in pregnancy interventions (SP, ITNs) to communities in areas with low IPTp coverage.
Other MIP Implementation	Integrated Health Services Activity	\$250,000		Alibori, Atacora, Oueme, Plateau	Support on-site supervision of MIP services. Provide refresher training for public health facility midwives and nurses to correctly deliver SP and broader MIP services in the context of the focused antenatal care approach. Refresher training will be provided as part of overall refresher training for service providers in health centers and health posts.
Total : \$480,000					

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DRUG-BASED PREVENTION					
Seasonal Malaria Chemoprevention					
Procure SMC-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$190,000		Karimama, Kobli, Malanville, Materi, Tanguieta	The 2019 SMC campaign will benefit approximately 121,000 children 3-59 months of age residing in the communes of Malanville, Karimama, Tanguieta, Kobli, and Materi (the two health zones of TCM and MK). Because SMC commodities need to be ordered 12 months in advance of the campaign, commodities for SMC campaigns in 2019 and 2020 will be procured using pipeline. This line item will therefore support procurement of SMC commodities for the 2021 campaign, which is expected to benefit 125,000 children.
Other SMC Implementation	Integrated Health Services Activity	\$450,000		Karimama, Kobli, Malanville, Materi, Tanguieta	Implement SMC in five communes (two health zones) from June to September 2020. Budget projected to cover planning, training, implementation, supervision, monitoring, SBCC, etc. (\$3.50 per child for approximately 125,000 children).
Total : \$640,000					
CASE MANAGEMENT					
Procure RDTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$0	Nationwide		Procure approximately 2 million single-species RDTs (\$0.51 each) for use in communities and health facilities covered under FY2016 old pipeline [\$1,020,000]
Procure ACTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,177,500	Nationwide		Procure approximately 2 million treatments of AL for use in communities and public and private health facilities. At \$0.82 per treatment, total for 2,000,000 doses is \$1,640,000. FY2019 funds will be used to purchase 1,436,586 treatments for \$1,177,500. The remaining 563,414 treatments will be procured using \$462,000 from pipeline.
Support Therapeutic Efficacy Study	Benin NMCP FARA	\$170,000			Support for the 2020 Therapeutic Efficacy monitoring of country's first-line ACT (AL) in two sites (TBD); k13 monitoring is included.
Other Case Management Implementation	Integrated Health Services Activity	\$550,000		Alibori, Atacora, Oueme, Plateau	Provide support to departments and health zones for on-site supervision of health workers, including baseline assessments and coaching that includes supervision of clinical, diagnostic and logistical activities.
Other Case Management Implementation	Private Sector Health Partnership Activity	\$300,000	Nationwide		Supportive supervision of case management (inclusive of diagnosis by RDT, treatment, and malaria in pregnancy) practices at all registered private hospitals and health centers using comprehensive malaria-specific supervision tool. Department and Health Zone Health Team staff will be actively involved in supervision activities. Supervision visits will include observation of patient consultations and feedback to providers as well as review of clinical record reporting.
Other Case Management Implementation	Integrated Health Services Activity	\$350,000		Alibori, Atacora, Oueme, Plateau	Support CHW operational costs in the 4 Integrated Health Project (IHP) focus departments (Alibori [3 HZs]; Atacora [3HZs]; Plateau [3HZs] and Oueme [4 HZs]) for an estimated 3,000 CHWs in the four departments under IHP (25% of all CHWs nationwide). These costs include training/refreshers training, group and on-site supervision, point of distribution supply chain strengthening, and scale-up of mHealth for case management and reporting.
Other Case Management Implementation	Benin NMCP Special Account	\$0	Nationwide		Support supervision and monitoring of malaria diagnostics, maintenance of microscopes, training, and quality control of slides/RDTs at the health facility and community levels. [Funded through special account]
Other Case Management Implementation	Benin NMCP FARA	\$70,000	Central		Continue to support the establishment of a quality assurance system for microscopy including the ISO certification of two staff of the NMCP to increase the total number to four.

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Other Case Management Implementation	Integrated Health Services Activity	\$100,000		Alibori, Atacora, Oueme, Plateau	Support update of integrated supervision guidelines aligned with most recent malaria case management guidelines. Strengthen supportive supervision and quality improvement approaches at the commune and health district levels. Audit malaria service delivery to universal health insurance care holders in targeted departments.
Case Management-Related CDC TDY	CDC IAA	\$10,000	Central		One TDY to support NMCP with malaria diagnostics activities.
Total : \$2,727,500					
CROSS-CUTTING AND OTHER HEALTH SYSTEMS STRENGTHENING					
Pharmaceutical Management					
Warehousing and Distribution	Global Health Supply Chain (GHSC)-TA Francophone	\$200,000	Nationwide		Continued support for management, oversight, and physical distribution of PMI-procured ACTs, RDTs, SP, and drugs for severe malaria. PMI support will leverage broader, cross-element USAID investments in warehousing and distribution in Benin.
Pharmaceutical management systems strengthening	Global Health Supply Chain (GHSC)-TA Francophone	\$650,000	Nationwide		Support the national action plan for the strengthening of DPMED, regional offices and depots in the CAME area and logistics information system. Includes 100% surveillance in 12 low performance health zones. Provide support to the national laboratory for quality control to perform routine testing of malaria commodities at the port and spot checks in public and private health facilities. Support the cost of reagents and equipment for drug quality testing. Includes support for one consultant in the country for a year.
Pharmaceutical Management Systems Strengthening	Global Health Supply Chain (GHSC)-TA Francophone	\$50,000		To Be Determined	Support EUV implementation in two departments.
Pharmaceutical Management Systems Strengthening	Private Sector Health Partnership Activity	\$150,000	Nationwide		Support pharmaceutical management strengthening in the private sector.
Subtotal : \$1,050,000					
Social and Behavior Change Communication					
SBCC Implementation	Benin NMCP FARA	\$150,000	Nationwide		Support the organization of the national malaria day campaign and support NMCP's advocacy and SBCC activities with religious and administrative leaders at institutional and community levels to encourage community buy-in, use local funds, and facilitate local leadership of activities in the fight against malaria.
SBCC Implementation	Integrated Health Services Activity	\$400,000		Alibori, Atacora, Oueme, Plateau	In collaboration with the MOH, the Global Fund, UNICEF and other partners, the bilateral will promote strategies outlined in the new national integrated malaria communication plan for social and behavior change, 2017-2021, which focuses on utilization of ITNs, sleeping in insecticide sprayed rooms, environmental measures, protecting pregnant women during pregnancy with IPTp and ITNs, prompt care-seeking for malaria confirmatory testing and treatment, and correct management of malaria by health workers. Specific approaches and messaging are based on existing formative research findings and qualitative investigations with target populations, planned around a dual analysis of behaviors (knowledge, attitudes, and practices) and environmental factors (availability and access to services). In addition, the project will use the results of the study on outdoor sleeping and other nighttime activities in the north to develop specific messages and localized SBCC activities for the region.

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SBCC Implementation	Community PIHI	\$200,000		Abomey-Calavi, Allada, Bopa, Come, Copargo, Cotonou, Djougou, Grand-Popo, Kandi, Ouake, Savalou, Tchaourou, Zagnanado, Ze •	Note that these activities will end in mid 2020 and from that time, all SBCC activities will be implemented through the TBD Benin Integrated Health Project 1) Continued support for the implementation of SBCC activities, including community- and facility-based interpersonal communication and national and regional mass media activities, to address the identified barriers to uptake of key malaria-related behaviors (ITN use, IPTp uptake, and case management at the health facility and community levels). 2) Develop messages to encourage the population to seek out and use only nationally registered, legal anti-malaria medications.
Subtotal : \$750,000					
Surveillance, Monitoring, and Evaluation					
Support Routine Surveillance	Benin NMCP FARA	\$300,000	Nationwide		Provide continued support at district and national levels for implementation of the HMIS, including data review and analysis, through the continuation of quarterly review meetings, production and dissemination of malaria bulletins, and routine data quality monitoring performed by the district health offices. PMI support for this activity is part of a broader HMIS strengthening effort supported by USAID, Global Fund, etc.
Support Routine Surveillance	Integrated Health Services Activity	\$200,000		Alibori, Atacora, Oueme, Plateau	Technical assistance to the MOH to strengthen HMIS, including strengthening data collection, making data validation more efficient, decentralizing data supervision responsibilities, improving data quality and timeliness of dissemination.
Other SM&E Implementation	Benin NMCP FARA	\$200,000		Alibori, Atacora, Donga	Strengthen epidemiological data in 40 selected health facilities to monitor the epidemiological effects of 1) withdrawing IRS; 2) introduction of NGenIRS; 3) continuation of Pirimiphos-methyl CS IRS. This activity will support additional supervision and monitoring of routine data recorded in the targeted areas to ensure data are routinely validated at the 40 health facilities on a monthly basis.
Subtotal : \$700,000					
Operational Research					
OR Implementation		\$0			No OR proposed.
Subtotal : \$0					

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Other Health Systems Strengthening					
Support to Peace Corps	Peace Corps	\$30,000	Central		Continued support to maintain two Peace Corps Malaria Volunteers to coordinate and support volunteers' malaria activities throughout the country; one volunteer may be embedded with a PMI implementing partner at national or regional level (\$20,000). Support small project grants (\$10,000) for which volunteers can submit applications.
Other Health Systems Strengthening Implementation	Citizen Oversight of Malaria Activities	\$100,000	Nationwide		Support for the monitoring of illegal malaria commodities in markets and formal health services, audit of malaria services under national health insurance and train journalists on malaria and governance. This new Citizen Oversight activity is part of USAID/Benin's approved strategic framework for a healthier population and more inclusive development and is still in design phase. A pillar of the strategy is to reinforce governance within the health sector. This activity will be co-funded with Malaria (maximum 1/3 total budget), MCH and other non-health funding.
Other Health Systems Strengthening Implementation	Private Sector Health Partnership Activity	\$100,000	Nationwide		Support the improvement of the regulatory environment to enable the provision of affordable and quality antimalarial services and the provision of products by the private sector.
Other Health Systems Strengthening Implementation	Governance Consultant, Research and Logistics Services Activity	\$140,000	Central		Provide short/medium term technical assistance to strengthen management capacity of the NMCP, and the President's Commission on HIV/AIDS, TB, Malaria, Hepatitis, STIs, and Epidemics (CNLSTP) in line with the USG's risk mitigation plan for direct country system funding.
Subtotal : \$370,000					
Total : \$2,870,000					
STAFFING AND ADMINISTRATION					
USAID In-Country Staffing and Administration: Staffing	USAID	\$1,220,000			Support for one USAID PMI Advisor and one USAID locally-engaged senior malaria specialist, one financial analyst, and one (80%) logistician.
USAID In-Country Staffing and Administration: Administration	USAID	\$320,000			Administration and oversight costs.
CDC In-Country Staffing and Administration	CDC IAA	\$450,000			Staffing and administration for one PMI/CDC Resident Advisor.
Total : \$1,990,000					
GRAND TOTAL:		\$16,000,000			