## Table 1: Budget Breakdown by Mechanism U.S. President's Malaria Initiative - Senegal Planned Malaria Obligations for FY 2020 Revised July 26, 2020

Mechanism	Budget	%			
PMI VectorLink	Entomologic monitoring and IRS implementation in 4 districts	\$4,320,000	19%		
Environmental Compliance Operational Support (ECOS)	Environmental monitoring for IRS in 4 districts	\$40,000	0%		
Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	Injectable arresiliate, and management, wareholisting and distribition.				
Integrated Service Delivery and Health Behaviors (ISD-HB)	SMC operational costs and SBC materials related to SMC	\$1,575,000	7%		
TBD Senegal Bilateral	\$2,802,000	12%			
Senegal Health FARA	\$3,389,460	15%			
Promoting the Quality of Medicines (PQM)	Antimalarial drug quality monitoring activities	\$200,000	1%		
MEASURE DHS	Technical assistance for the cDHS	\$150,000	1%		
Peace Corps	Support malaria-related Peace Corps small project assistance (SPA) grants	\$10,000	0%		
Governance for Local Development (GOLD)  Support to local government to include malaria and other health priorities in development plans and increase participation of communities in decision-making regarding health issues		\$150,000	1%		
New Partners Initiative  Support for local CSOs to advocate for increased domestic resources for malaria control		\$75,000	0%		
Digital Square	Support for Digital Community Health Initiative	\$168,750	1%		
Civis Analytics	Support for M-DIVE platform	\$168,750	1%		
CDC IAA	Staffing costs, two entomological TDYs, and one SM&E TDY	\$316,669	1%		
USAID	Staffing and administration costs	\$1,403,844	6%		
TOTAL		\$22,500,000	100%		

## Table 2: Budget Breakdown by Activity U.S. President's Malaria Initiative - Senegal Planned Malaria Obligations for FY 2020 Revised July 26, 2020

		Nevisea	July 26, 2020	l.: D I CDM	A -4::4	
Proposed Activity	Mechanism	Budget (in \$)	Geogr	Geographic Reach of PMI Activity  If coverage is		Description of Proposed Activity
CONTROL						
tomological Monitoring						
Support Entomologic Monitoring	PMI VectorLink	\$550,000		To Be Determined	To Be Determined	Support for entomologic monitoring including insecticide resistance assays including molecular and biochemical assay vector behavior (biting rates, resting densities), parity rates sporozoite rates, and species identification (including molecular analyses). Residual efficacy of sprayed insecticity will be assessed at the new IRS sites. Fewer sites will be chosen and the frequency of the collection at some sites will increased to monthly. Training will include a review of the SOPs for all of the team members working in the field.
btotal : \$550,000 secticide-Treated Nets						
Procure ITNs for Continuous Distribution Channels	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,968,279	Nationwide			Procurement of 723,632 ITNs for routine distribution chan including ANC, general consultation, community and schools based channels. The total need for 2021 for routine distribution is estimated at 1,598,709 but there is an expected carry over 1.0 million ITNs. The overall allocation of ITNs across routing distribution channels is general consultation 50%, ANC 24 schools 10% and community organizations 16%.
Distribute ITNs for Continuous Distribution Channels	USAID	\$20,000	Nationwide			External evaluation of the Ministry of Health and Social A (MSAS) internal controls to ensure proper controls are in to store and distribute ITNs though government systems
Distribute ITNs for Continuous Distribution Channels	PMI VectorLink	\$300,000	Nationwide			Transport, support materials, and supervision for routine distribution channels

	Distribute ITNs for Mass Campaigns	TBD Senegal Bilateral	\$100,000		DAKAR	To Be Determined	Develop and implement urban-adapted interventions for ITN distribution and utilization.
	Procure ITNs for Mass Campaigns	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$2,488,801	Nationwide			Procurement of 687,514 PBO nets for pre-placement in advance of the 2022 universal coverage campaign. PBO nets are being purchased due to data showing continued widespread pyrethroid resistance.
Subtot	al: \$4,877,080						
Indoo	r Residual Spraying						
	IRS Implementation	PMI VectorLink	\$2,836,000		KAFFRINE, KEDOUGOU, TAMBACOUNDA	KEDOUGOU, KOUMPENTOUM, KOUNGHEUL, MAKA COLIBANTANG	IRS implementation in 4 districts in the Kaffrine, Tambacounda and Kedougou regions. Budget includes support for planning, training, and payment of spray operators
	Procure Insecticides for IRS	PMI VectorLink	\$634,000		KAFFRINE, KEDOUGOU, TAMBACOUNDA	KEDOUGOU, KOUMPENTOUM, KOUNGHEUL, MAKA COLIBANTANG	Procurement of insecticide for implementation in 4 districts
	Support Independent Environmental Monitoring	Environmental Compliance Operational Support (ECOS)	\$40,000		KAFFRINE, KEDOUGOU, TAMBACOUNDA	KEDOUGOU, KOUMPENTOUM, KOUNGHEUL, MAKA COLIBANTANG	Environmental monitoring for IRS in 4 districts
Subtot	al: \$3,510,000						
	or Vector Control						
	SBC Implementation for Prevention	Senegal Health FARA	\$110,000		KAFFRINE, KEDOUGOU, TAMBACOUNDA	KEDOUGOU, KOUMPENTOUM, KOUNGHEUL, MAKA COLIBANTANG	Social mobilization at the community level for IRS
	SBC Implementation for Prevention	Senegal Health FARA	\$30,000		KAOLACK		Support for SBC messaging around ITN use at the operational level, targeting the whole community but with an emphasis on pregnant women and children under five. Channels of communication will include IPC using CHWs, as well as local radios, drama, etc Focus on high burden districts of the central region of Kaolack

	SBC Implementation for Prevention	TBD Senegal Bilateral	\$120,000	DIOURBEL, KEDOUGOU, KOLDA,TAMBA COUNDA	Support for SBC messaging around ITN use at the operational level, targeting the whole community but with an emphasis on pregnant women and children under five. Channels of communication will include IPC using CHWs, as well as local radios, drama, etc Focus on districts in high burden regions in Central and Southeast Senegal.
	al: \$260,000				
l: \$9,197,					
	ED PREVENTION				
Prever	ntion of Malaria in Pregnancy				
	MIP Implementation	TBD Senegal Bilateral	\$300,000	DIOURBEL, KEDOUGOU, KOLDA, TAMBACOUNDA	Support includes training for new health facility-level providers as needed on prevention and treatment of malaria during pregnancy. This includes topics such as the importance of ITN use in pregnancy, diagnosis, and management of MiP, counseling and interpersonal communication skills. Support will continue for ANC outreach activities at health huts. Activities will follow district-level priorities as described in regional and district action plans.
	MIP Implementation	Senegal Health FARA	\$50,000	KAOLACK	Support includes training for new health facility-level providers as needed on prevention and treatment of malaria during pregnancy. This includes topics such as the importance of ITN use in pregnancy, diagnosis, and management of MiP, counseling and interpersonal communication skills. Support will continue for ANC outreach activities at health huts. Activities will follow district-level priorities as described in regional and district action plans.
Subtota	al: \$350,000				
SMC					
	Procure SMC-Related Commodities	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$1,535,219	BAKEL, DIANKE MAKHAN, DIOURBEL, GOUDIRY, KAOLACK, KEDOUGOU, KOLDA, TAMBACOUNDA TAMBACOUNDA TOUBA, TOUBA, VELINGARA	There will be 3 rounds of distribution in all targeted areas aside from Kedougou, which will have 4 rounds.

Support for a second year of a comprehensive exit strategy for the region of Sedhiou, including increasing the coverage of DSDOM and implementing year round PECADOM+, SBC
interventions, and enhanced surveillance. For the operational level activities, the NMCP will transfer funds to the regions/districts to support implementation of their local plans.
Promotion of SMC through radio spots, community meeting and house-to-house visits in the four regions targeted for SM including the campaign launch. Messaging will prioritize SI refusal reasons that vary by region including but not limited concerns about side effects, intervention fatigue, scheduling etc. For the operational level activities, the NMCP will transfunds to the regions/districts to support implementation of the local plans.
Procurement of SBC materials for SMC.
Support SBCC interventions focusing on IPTp uptake. Activities will be focused on districts in the regions of Kedougou, Tambacounda, Sedhiou and Kolda according to

cure Case Management-Related Com	modities				
Procure RDTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$920,000	Nationwide		Procurement of 2,000,000 monospecies RDTs (P. falcip
Procure ACTs	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$520,000	Nationwide		Procurement of a total of 800,000 ACT, 60% AL to be deployed mostly in the high-burden regions where SMC implemented, and 40% ASAQ for the remaining areas
Procure Drugs for Severe Malaria	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$21,350	Nationwide		Procurement of 42,700 rectal artesunate suppositories for community health workers and remote health posts for p transfer treatment of severe malaria cases, targeting 6000 2000 health huts, 2000 PECADOM villages, and 2000 h posts
Procure Drugs for Severe Malaria	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$121,000	Nationwide		Procurement of 50,000 doses of injectable artesunate
total: \$1,582,350					
e Management Implementation					
Facility-based case management	TBD Senegal Bilateral	\$340,000		DIOURBEL, KEDOUGOU, KOLDA, TAMBACOUNDA	Support for training and supervision of malaria case management at all levels of the public health system.
Facility-based case management	Senegal Health FARA	\$60,000		KAOLACK	Support for training and supervision of malaria case management at all levels of the public health system.
Community-based case management	TBD Senegal Bilateral	\$442,000		DIOURBEL, KEDOUGOU, KOLDA, TAMBACOUNDA	Support for community case management of malaria at huts by community health workers, includes training, supervision, and monitoring of CHWs.
Community-based case management	Senegal Health FARA	\$80,000		KAOLACK	Support for community case management of malaria at huts by community health workers, includes training, supervision, and monitoring of CHWs.

Community-based case management	Senegal Health FARA	\$1,130,000	Nationwide	BAKEL, BIRKELA BOUNKILING, DIA MAKHAN, DIOFFI DIOURBEL, GOUD GOUDOMP, GUINGUINEO, JO KAFFRINE, KAOLA KEDOUGOU, KOLDA, KOLDA, SEDHIOU, TAMBACOUNDA , THIES  BAKEL, BIRKELA BOUNKILING, DIA MAKHAN, DIOFFI DIOURBEL, GOUD GOUDOMP, GUINGUINEO, JO KAFFRINE, KAOLA KEDOUGOU, KEDOUGOU, KOUNGHEUL, MA COLIBANTANO MALEM, MBACK MYF, NDOFFAN NIORO, PASSY, PO SALEMATA, SARA SEDHIOU, SOKOI TAMBACOUND THIADIAYE, THI TIVAOUANE, TOU VELINGARA	Training and refresher training of existing and new community health workers (DSDOMs) and logistics to support 35 districts for the implementation of PECADOM+, PECADaara, and PECAEcole, including transportation and supervision. Also includes year-long implementation of PECADOM+ in Kedougou and the districts of Diankemakha and Tambacounda in the region of Tambacounda. For 2021, we anticipate a total of ~3,000 DSDOMs with ~2,000 DSDOMs who implement PECADOM+ activities. For the operational level activities, the NMCP will transfer funds to the regions/districts to support implementation of their local plans.
Private sector case management	Senegal Health FARA	\$100,000	Nationwide		Support for training and supervision of malaria case management in the private sector.
Support Therapeutic Efficacy Study	Senegal Health FARA	\$170,000		To Be Determined	Therapeutic efficacy monitoring of first-line ACTs in 2 sentinel sites, including molecular testing of samples for resistance monitoring in Senegal reference laboratory (part of PARMA network)
Private sector case management	TBD Senegal Bilateral	\$100,000		DAKAR	Development and testing of innovative approaches to improving malaria service provision in the private sector.
Other Case Management Implementation	Senegal Health FARA	\$160,000	Nationwide		Training and refresher training of 16 laboratory technicians from health facilities at the district level, military medical centers, and hospitals for microscopy (5 day training). Trainees are selected based on personnel needs and/or diagnostic performance recorded in previous supervisory reports. Annual supportive supervision of 140 laboratories from health facilities at the district level, military medical centers, and hospitals. Regional workshops with laboratory technicians to read thick smear slides from health facilities and a slide bank to ensure quality and improve performance of diagnosis with microscopy. Annual contract for maintenance of microscopes both at training facilities and health facilities at the district level, military medical centers, and hospitals.

	Other Case Management Implementation	Senegal Health FARA	\$40,000	Nationwide	Support for the implementation of quality control programs both microscopy and RDTs (both upon arrival in-country an in the field) in conjunction with the NMCP and UCAD at al levels of the health system, including the private sector.
	Other Case Management Implementation	Senegal Health FARA	\$15,000	LOUGA, MATAM, ST LOUIS	Support for the implementation of low-dose primaquine in pelimination regions, including refresher training and adverse event surveillance. This is complimentary to the support ID supports for this activity, including drug procurement. For to operational level activities, the NMCP will transfer funds to regions/districts to support implementation of their local plant.
Subtota	al: \$2,637,000				
SBC					
	SBC Implementation for Case Management	TBD Senegal Bilateral	\$200,000	DIOURBEL, KEDOUGOU, KOLDA, TAMBACOUNDA	IPC and mass media in PMI priority high burden regions to improve care seeking behaviors for suspected malaria (febri illness)
	SBC Implementation for Case Management	Senegal Health FARA	\$50,000	KAOLACK	IPC and mass media in PMI priority high burden regions to improve care seeking behaviors for suspected malaria (febrillness)
	al: \$250,000				
<mark>l : \$4,469,3</mark> PPLY CH <i>l</i>					
	intry Supply Chain				
	Warehousing and Distribution	Global Health Supply Chain Procurement and Supply Management (GHSC PSM) Malaria	\$155,878	Central	PMI funds will be used to cover management and delivery for all PMI-procured malaria commodities (with the except of ITNs as these do not transit through the CMS). This is calculated at 5% of the commodity costs and is applied to a partners that procure commodities for Senegal.
	Pharmaceutical Management Systems Strengthening	TBD Senegal Bilateral	\$400,000	Central	Support for the NMCP to improve quantification through regular consumption data collection at the peripheral level, monitoring reporting and orders
	Ensuring drug and other health product quality	Promoting the Quality of Medicines (PQM)	\$200,000	Central	Sampling and testing of antimalarials at 9 sites across the country, with technical assistance for accreditation of drug quality monitoring.

NITORING	G, EVALUATION & RESEARCH					
Surveilla	ance, Monitoring, and Evaluation					
Sı	upport surveys	MEASURE DHS	\$150,000	Nationwide		Technical assistance for the cDHS
Sı	upport Routine Surveillance	TBD Senegal Bilateral	\$250,000	Nationwide		Support for DHIS2 implementation with an emphasis on improving data quality at the district-level and health facility levels.
Sı	upport Routine Surveillance	Senegal Health FARA	\$180,000	Nationwide		Peer supervision at the regional and district levels. Supervision will be performed by malariologists (graduates from the NMCP run malariology course) identified in the neighboring districts. Central-level staff will join in some of the supervisory visits, but not routinely in all visits.
SI	M&E for Elimination	Senegal Health FARA	\$300,000		LOUGA, MATAM, ST LOUIS	Support for operational costs of case investigations and training of health workers and CHWs to perform these investigations, including weekly reporting integrated into DHIS-2 in districts where incidence is <5 per 1,000 (with support from Path/MACEPA). For the operational level activities, the NMCP will transfer funds to the regions/districts to support implementation of their local plans.
Sı	upport Routine Surveillance	Digital Square	\$168,750			Digital Community Health Iniative: ecosystem assessment and support for the design and implementation of digital health program at the community level
St	upport Routine Surveillance	Civis Analytics	\$168,750			Support for the Malaria Data Integration and Visualization for Elimination (M-DIVE) platform
Sı	upport Routine Surveillance	TBD Senegal Bilateral	\$100,000	Central		Provide technical assistance to central level agencies of the MOH for reinforcement of the HMIS.
0	Other SM&E Implementation	Senegal Health FARA	\$95,000	Central		Implementation of the malaria monitoring and evaluation course that includes surveillance in the context of elimination. This cost will include 2 sessions with 25 students per session. Overall, the target is 400 individuals trained. To date, 115 have been trained.
_	: \$1,412,500					
	onal Research					
	PR Implementation					NA
Subtotal						
1: \$1,412,50	00					

Support to Peace Corps	Peace Corps	\$10,000	Nationwide	Support malaria-related Peace Corps small project a (SPA) grants
Other Health Systems Strengthening Implementation	Senegal Health FARA	\$100,000	Nationwide	Funding will be provided for a 5th year to support a malariology course that will be offered to health staff levels to allow for in-country training opportunities. FY19, PMI resources have supported decentralized recourses using a training-of-the-trainer model. Region health officers (graduates from the Central level coursemplement this course. The final target is 1350 health nurses. In FY19 period, 235 health post nurses in the Sedhiou, Kedougou, Kolda, Tambacounda and Loug trained. This course will target health post chief nurse nurse-midwives.
Other Health Systems Strengthening Implementation	Senegal Health FARA	\$35,000	Central	Support to the CCPLP (Malaria Partners Coordination Committee) to bring together NMCP staff, the Global Islamic Development Bank, and representatives from regions and partners to facilitate information sharing ensure better coordination of malaria-related activition the country.
Other Health Systems Strengthening Implementation	Senegal Health FARA	\$18,000	Central	Support for participation in international scientific at professional meetings to provide NMCP staff (central level) with opportunities to learn best practices, shar experiences, and develop networks. Potential meeting the American Society of Tropical Medicine and Hygothe Pan African Malaria conferences. This includes a 2-4 trips.
Other Health Systems Strengthening Implementation	Governance for Local Development (GOLD)	\$150,000	Nationwide	Support for the local government to include malaria a health priorities in their local development plans and participation of communities in decision-making reg health issues
Other Health Systems Strengthening Implementation	Senegal Health FARA	\$50,000	Nationwide	Support for the NMCP to provide technical assistance central level, in conjunction with GOLD to include a local development plans
Other Health Systems Strengthening Implementation	TBD Senegal Bilateral	\$450,000	Central	Preparation and monitoring of the G2G agreement be PMI and the NMCP (fixed amount reimbursement ag FARA); technical assistance for management and dar reporting. Activity is both at the central and regional

				1) Support local Civil Society Organizations (CSOs) to advocate for a malaria line item in the national budget and for
	Other Health Systems Strengthening Implementation	New Partners Initiative	\$75,000	increased Government of Senegal funding of malaria; 2)Support local CSOs to advocate for timely procurement of SP to prevent stockouts and increase purchase of malaria commodities
	Other Health Systems Strengthening Implementation	Senegal Health FARA	\$66,460	Support for the DAGE to ensure the decentralisation of financial support via direct financing (FARA) across the health system is implemented according to the official procudures and building capacity of the central and operational level for financial tracking
Subto	tal: \$954,460			
<b>Total</b> : \$954,4				
STAFFING	& ADMINISTRATION			
	Vector Control-Related CDC TDY	CDC IAA	\$29,000	TDY of entomologist to support in entomologic monitoring activities
	SM&E-Related CDC TDY	CDC IAA	\$10,000	TDY of epidemiologist to support surveillance, SM&E activities with the NMCP
	USAID In-Country Staffing and Administration: Staffing	USAID	\$933,844	Personnel for one PMI/USAID resident advisor and 3 100% PMI-dedicated foreign service national staff, including one data specialist; in-country costs for the PMI/CDC Resident Advisor
	USAID In-Country Staffing and Administration: Administration	USAID	\$450,000	Administration costs of 2%
	CDC In-Country Staffing and Administration	CDC IAA	\$277,669	Staffing costs for one PMI/CDC Resident Advisor
Subto	tal: \$1,700,513			
Total : \$1,700	0,513			
GRAND TO	TAI.	\$ 22,500,00	0	