MALI MALARIA VACCINE DECISION-MAKING FRAMEWORK-DATA

	Pre-licensure 5 years before licensu	re		Available data - Ph	nase 3	Licensure 2 years after licensure	Post-licensu 5 years after li	
Malaria disease burden	cases cases mala confirmed (hospital- by biology ized cases) (critical data, action plan actio	ths pregnan women	in specific burden groups (HIV-malaria co infection) ata, (critical data, n action plan action plan			MALARIA VACCINE INTRODUCTI	DN DECISION	
Other malaria nterventions	Impact of Impact of malaria interventions in Mali (critical data, action plan identified)	^S interventions (ITN, A ACTs, epidemics, IPT with SP)	ata on the Cost- effectiveness CTs and SP estimates of malaria interventions	Cost-effectiveness estimates of interventions (critical data)	of malaria	Changes in impact from other malaria interventions		
Malaria vaccine impact	Impact on mortality and mo (critical data)	rbidity in different age grou	ıps	impact specific groups	Marginal Impact on the impact with occurrence of other severe cases, malaria anemia, death interven- tions by age group (critical data)		Vaccine coverage (critical data, action plan identified)	Efficacy, including impact on: • clinical disease • severe disease • anemia • parasitemia (critical data)
Economical and financial issues	Credible public-sector price estimate	Preliminary cost-effectiveness estimates of malaria vaccine	Return on investment	Cost-effectiveness Credible estimate sector pr estimate (critical data, action plan identified)	rice malaria vaccine	Support donor funding for at least 10 years (critical data) (critical data) (critical data) Support donor funding (critical data) (critical data, action plan identified)	Recurring cost estimate (critical data, action plan identified)	Updated malaria vaccine cost- effectiveness data (critical data)
Malaria vaccine efficacy, quality and safety	PHASE 1 (ADULTS) Safety / Adverse immunogenicity events (critical data)	PHASE 2 (INFANTS) Safety / Adver immunogenicity event (critical data)		Efficacy, including impact on: • clinical disease • severe disease • anemia • parasitemia (critical data)	Duration of efficacy of the vaccine	Implement post-marketing surveillance (critical data, action plan identified)	Advocacy to have Implement Post- D laboratories able post- licensure q to carry out marketing safety cc hepatic/renal and surveillance data (c blood profiles (critical data) plan identified)	
ogrammatic nsiderations	Presentation of the vaccine	regulatory, pathways to	established policy, and institutional o support intervention action plan identified)	Health staff training (critical data, action plan identified)	Supply availability	Define targeted groups and a communication plan (critical data, action plan identified)	Make vaccine procurement an expense of sovereignty (critical data, action plan identified)	
ocio-cultural nvironment	Knowledge, attitudes, and practices of communities towards vaccines and malaria interventions (critical data, action plan identified) (critical data, action plan identified)			Implement a communication plan for behavior change (critical data, action plan identified) Make immunization a multisector approach (critical data, action plan identified)			Sensitize vaccine m (critical data, action pl	anufacturers to promote the vaccine lan identified)

MALI MALARIA VACCINE DECISION-MAKING FRAMEWORK-PROCESSES

	Pre-licensure 5 years before licensure						Licensure 2 years after licensure							Post-licensure 5 years after licensure		
	AVAILABLE DATA - PHASE 3										MALARIA VACCINE INTRODUCTION DECISION					
National processes	country- specific indicators (critical process, action plan	integrates the malaria vaccine in the multiyear strategic plan (4-5 years before)	vaccine demand (1-3 years before)	declaration of interest for the malaria vaccine	The country issues a communica- tion plan on the malaria vaccine (1 year before (critical process action plan identified)	The country respects the process of vaccine introduction	National expert gro issue recommenda regarding vaccine introduction (critical process, actio identified)	tion	national au vaccine int	to the highest uthorities for troduction cess, action plan	The country infc international ag on its actual vac demand (critical process, a plan identified) National regulat authority reviev vaccine (within of licensure)	encies ccine ction tory vs 1 year	program (creatior vaccine i for imple (within 1 (critical pr identified The cour the com	n of a malaria introduction plan) ementation .year of licensure) rocess, action plan) htry updates munication e year after tion)	monitors vaccine	The country monitors implementa- tion of the immunization programme and evaluates the vaccine impact (critical process)
Global processes	Integrate count requirements in product develo ment plans (5 y before) (critical process, plan identified)	nto about p- clinica rears (critica	g information the results of I trials I process, action entified)	Global consen: on the validity clinical trials (critical process, action plan identified)	of com publi partr finar vacci	al process, 1 plan	commitment from partners to provide funding to support vaccine (critical process, action plan identified) Availability of data from interference effects with the EPI vaccines	technical of who propu- guidelines technical n (critical pro plan identif WHO pub vaccine m and introc guidelines (critical pro	mittee of experts ose and write reports cess, action fied) lishes anagement duction c (licensure) cess, action	WHO issues policy recommending use of vaccine (critical process, action plan identified) Decision endorsement by the World Health Assembly (critical process, action plan identified)	Implement a regional laboratory in charge of the quality control of vaccine lots (critical process, action plan identified)	(withi of lice	l process, plan	International agencies plan for procure- ment (within 1 year of licensure) (critical process, action plan identified)	Plan the QC/RA activities for vaccine lots used in countries (critical process, action plan identified)	Implement a dissemination communica- tion and notification plan (critical process)

Key: National process Global process