REGIONAL MALARIA VACCINE DECISION-MAKING FRAMEWORK-DATA (To see Processes, click here)

Key: National data Global data														
		ensure before licensur	re		Available data - Phase 3			Licensure 2 years after		Post-licensure 5 years after licensure				
Malaria disease burden	confirmed cases by age group	Reported malaria- related deaths by age group (critical data)	Malaria epidemio profile by district (critical data)	Malaria cases Economic in pregnant burden of women malaria and HIV+ population (critical data)				MALARIA VACCINE INTRODUCT Update on current malaria situation (critical data)		Reported and confirmed clinical and severe malaria cases by age group (critical data)				
Other malaria interventions	malaria interventions	rent of current current of current malaria interventions interventions current malaria interventions (critical data)							Changes in impact and cost- effectiveness of other malaria interventions		Changes in impact and cost-effectiveness of other anti-malaria interventions (critical data)			
Malaria vaccine impact	Impact on mort (critical data)	tality and morbid	lity by age group		Absolute impact		Impact on epidemiology and morbidity by age group			Vaccine coverage: use of morbidity and mortality indicators for impact studies (critical data)		Effectiveness, including impact on: Clinical disease Severe disease Anemia Parasitemia (critical data)		
Economical and financial issues		estimates of malaria vaccine		Public health return on investment (DALYs, impact on health budget, impact on GDP	Vaccine price for public (critical data)	Donor subsidy and sustainability of subsidy (critical data)	National affordability (critical data)	Sustainability of donor subsidy (critical data)	Sustainable national commitment (critical data)	Socio- economic impact (critical data)	Updated malaria vaccincost-effectiveness data (critical data)	inclu surve	nates of recurrent costs, ding marketing and eillance al data)	
Malaria vaccine efficacy, quality and safety	Safety	Adverse events (critical data)	Interaction with other vaccines (critical data)	Efficacy (critical data)	Efficacy, impact: • Clinical disease • Severe disease • Anemia • Parasitemia (critical data)	in HIV+	Duration of efficacy (critical data)	Efficacy, qualit data from oth (critical data)		Post-licensure safety and efficacy data (critical data)				
Programmatic considerations	Anticipated vac (critical data)	cine characterist	ics and presenta	tion	Supply availability (critical data) Demand forecast (critical data)	vaccine	Product Characteristics and storage information (critical data)	Defined target groups and communication plan (critical data)		Evidence of supply security (critical data)				
Socio-cultural environment	Knowledge attitudes, and practices of communities towards vaccines and malaria interventions Community expectations of malaria vaccines in clinical trial areas									Community knowledge, attitudes, and practices related to vaccines and malaria interventions (critical data)				

REGIONAL MALARIA VACCINE DECISION-MAKING FRAMEWORK-PROCESSES

MEGIONAL	WALAKIA VACCINE DECISION WAKING FRANCEWORK FROCESSES										K	ey: National proce	ess Global process	
	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	Establish technical working group (critical data)	Assess and Integrate t strengthen vaccine int regulatory, countries' ethics and data multiyear management strategic processes plans. Revi (critical data) EPI and NI strategic		private-sector partners and pharmaceutical companies	plan on malaria I vaccine (1 year before) and integrate it to multi-year EPI and NMCP				Incorporate malaria vaccine into national budgeting processes (critical data) Elaborate the vaccine introduction plan and programmatic guidelines (logistics, training, pharmacovigilance) (critical data)		Monitor vaccine performance and safety (critical data)	Monitor vaccine implementation (critical data)		
	demand (1-3	Integrate use of malaria vaccine in national health policies	plans. (critical data)	Conduct advocacy to solicit government support	plans including contingency plan	Conduct advocacy with national decision- makers and major stakeholders (critical data)	MOH makes decision about integration of vaccine into EPI (critical data)	Develop plan for procure- ment and resource mobilization for financial sustainability (critical data)	plan for implementation and engage	encourage in-country		Evaluate vaccine Intro on health system (critical data)	oduction impact	
Global processes	requirements into product advoc development plans level fund			Share information on vaccine research (critical data)		WHO issues policy recommending vaccine use (critical data)		Donors provide funding to support vaccine (critical data)	WHO issues prequalification (within1 year of licensure) (critical data)	International agencies plan n for procurement (within 1 year of licensure) (critical data)		Monitor vaccine performance, including evaluation of vaccine impact, safety, and pharmacovigilance (critical data)		
	Conduct global advocacy to leverage funding (critical data)					WHO published management guidelines (critical data)	es vaccine and introduction							