GUIDING PRODUCT DEVELOPMENT OF MALARIA DIAGNOSTICS TO SUPPORT ELIMINATION PROGRAMS: THE TARGET PRODUCT PROFILE

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Malaria diagnostics in an elimination context

An successful malaria control program dramatically reduces malaria prevalence, endemicity, and transmission risk. Mechanisms of vector control and drug treatment, as well as technologic advances in diagnostic tools, possibly disrupt malaria infection-detection technologies can enable more sensitive and specific elimination interventions in the most challenging malaria-endemic environments.1

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Epidemiology

Many dynamic and interdependent factors affect the incidence, prevalence, and distribution of malaria as elimination is approached.

What is a target product profile (TPP)?

A TPP is a strategic planning tool that is used to facilitate communication and alignment of product development stakeholders.39% clear product development thinking by beginning with the end goal in mind; 39% should integrate a variety of factors, such as evidence supporting the intervention system, financial limitations, and regulatory requirements, as well as the technical requirements.3

Malaria diagnostic use-scenarios

To ensure the users of malaria ID technologies have a voice in the product development process, the SHATTER team conducted user interviews with community health workers from malaria-endemic countries.34a interviews were observed using malaria diagnostic in multiple settings and the team documented information, training, costs, and other information using a market analysis technique called Jobs, Opportunities, and Customer

Field work

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