Malaria Control Programs Training Course

Professional Development Training Course Outline

Category	Public Health	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Malaria remains one of the most persistent and life-threatening vector-borne diseases, especially in tropical and subtropical regions. Despite global progress, it continues to burden health systems through high morbidity, mortality, and economic losses. Malaria Control Programs Training Course is designed to strengthen technical and operational capacity in malaria prevention, elimination strategies, surveillance systems, and integrated vector management using evidence-based and data-driven approaches. It equips participants with modern tools aligned with WHO malaria guidelines, digital health surveillance, and climate-sensitive disease control frameworks.

The course emphasizes practical implementation of larval source management, insecticide-treated net (ITN) distribution, indoor residual spraying (IRS), rapid diagnostic testing (RDT), and antimalarial drug policy compliance. Through a combination of field case studies, real-time data analytics, and program design exercises, learners will gain the skills required to design and manage effective malaria elimination and control programs in both rural and urban settings.

Programme Curriculum

Malaria Control Programs Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Strengthen understanding of malaria epidemiology and transmission dynamics
2. Apply WHO-aligned malaria control strategies
3. Design effective vector control interventions (IRS, ITNs, LLINs)
4. Improve malaria surveillance and data reporting systems
5. Implement rapid diagnostic testing (RDT) and case management protocols
6. Enhance drug resistance monitoring and antimalarial stewardship
7. Develop community-based malaria prevention programs
8. Integrate climate-smart malaria forecasting tools
9. Strengthen health system response capacity for outbreaks
10. Promote digital health tools in malaria surveillance
11. Improve entomological surveillance and mosquito control strategies
12. Support elimination-focused malaria program planning
13. Build capacity in monitoring, evaluation, and impact assessment

Target Audience

1. Public health officers
2. Epidemiologists and disease surveillance officers
3. Community health workers
4. NGO health program managers
5. Environmental health specialists
6. Medical laboratory technologists
7. Government health policymakers
8. Research scientists in tropical medicine

Course Modules

Module 1: Malaria Epidemiology & Transmission

- Lifecycle of *Plasmodium* parasites
- Vector biology of *Anopheles mosquitoes*
- High-risk population mapping
- Seasonal transmission patterns
- Case Study: Outbreak mapping in sub-Saharan Africa rural districts

Module 2: Vector Control Strategies

- Indoor residual spraying (IRS) techniques
- Long-lasting insecticidal nets (LLINs) distribution
- Larval source management

- Environmental sanitation approaches
- Case Study: IRS impact in Zambia malaria reduction program

Module 3: Malaria Diagnosis & Case Management

- Rapid Diagnostic Tests (RDTs) use
- Microscopy confirmation techniques
- Artemisinin-based combination therapy (ACT) protocols
- Severe malaria treatment guidelines
- Case Study: Reducing misdiagnosis in Kenyan health facilities

Module 4: Surveillance & Data Systems

- Integrated Disease Surveillance and Response (IDSR)
- Digital reporting platforms
- GIS mapping for malaria hotspots
- Real-time outbreak detection
- Case Study: Mobile-based surveillance in Tanzania

Module 5: Drug Resistance & Pharmacovigilance

- Antimalarial resistance trends
- Monitoring therapeutic efficacy
- Drug policy updates
- Pharmacovigilance systems
- Case Study: Artemisinin resistance monitoring in Southeast Asia

Module 6: Community-Based Interventions

- Community health worker engagement
- Behavior change communication (BCC)
- Household-level prevention strategies
- School-based malaria education
- Case Study: Community-led net usage increase in Uganda

Module 7: Climate & Environmental Impact on Malaria

- Climate variability and transmission cycles
- Flooding and breeding site expansion
- Predictive modeling tools
- Environmental risk mapping
- Case Study: Climate-driven malaria surge in West Africa

Module 8: Program Monitoring & Evaluation

- Key performance indicators (KPIs) in malaria programs
- Impact evaluation frameworks
- Cost-effectiveness analysis
- Data quality assurance
- Case Study: National malaria elimination tracking in Ethiopia

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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