Training course on Malaria Prevention and Control Strategies

Professional Development Training Course Outline

Category	Public Health	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Malaria remains one of the world's most persistent public health challenges, significantly affecting disease burden, community health outcomes, and national development. **Malaria Prevention and Control Strategies training course** equips participants with up-to-date, evidence-based approaches to malaria surveillance, vector control, diagnostics, case management, data-driven decision-making, and community engagement. Emphasis is placed on emerging technologies, integrated vector management (IVM), health system strengthening, and climate-sensitive interventions aligned with global malaria elimination frameworks such as WHO GPW13 and the Global Technical Strategy (GTS) 2030.

This highly practical training combines data analytics, GIS mapping, digital health tools, community-based interventions, and cross-sectoral malaria control innovations. Participants will gain advanced competencies in risk assessment, epidemic preparedness, insecticide resistance monitoring, and program evaluation. Through real-world case studies from Africa and Asia, learners will analyze successful malaria elimination models, strengthen operational capacity, and design scalable, sustainable malaria prevention strategies for high-risk populations.

Programme Curriculum

Malaria Prevention and Control Strategies Training Course

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Course Objectives

1. Understand key epidemiological concepts in malaria transmission and burden analysis.
2. Apply WHO-recommended malaria surveillance, monitoring, and evaluation guidelines.
3. Implement Integrated Vector Management (IVM) strategies for high-impact malaria control.
4. Design effective community-based malaria prevention programs.
5. Utilize digital health tools, GIS, and real-time data dashboards for malaria analytics.
6. Conduct malaria risk assessments and hotspot mapping using innovative techniques.
7. Strengthen malaria case management protocols aligned with national and global standards.
8. Evaluate insecticide resistance patterns and develop mitigation strategies.
9. Enhance outbreak preparedness, early warning systems, and rapid response mechanisms.
10. Develop gender-responsive and culturally sensitive malaria communication strategies.
11. Integrate climate change considerations into malaria prevention programming.
12. Prepare high-quality malaria program reports, proposals, and donor-funded project plans.
13. Apply global best practices for malaria elimination, sustainability, and impact measurement.

Organizational Benefits

1. Improved capacity to design and implement high-impact malaria control programs.
2. Access to global best practices and emerging technologies in malaria elimination.
3. Enhanced data-driven decision-making and program management skills.
4. Strengthened monitoring and evaluation systems for malaria interventions.
5. Increased ability to secure funding through high-quality malaria program proposals.
6. Reduced malaria-related absenteeism and improved workforce productivity.
7. Improved community engagement and behavior change communication strategies.
8. Access to updated WHO guidelines and tools for malaria prevention.
9. Strengthened cross-sectoral partnerships and coordination.
10. Enhanced institutional leadership in public health and disease control.

Target Audience

1. Public health officers and epidemiologists
2. Community health workers and program coordinators

3. Health facility managers and clinical staff
4. NGO and CBO project officers working in disease control
5. Entomologists and environmental health specialists
6. Monitoring and Evaluation (M&E) practitioners
7. Policy makers and health administrators
8. Researchers and academic faculty
9. Humanitarian and emergency response workers

Course Duration: 10 days

Course Modules

Module 1: Global Overview of Malaria

1. Burden of malaria worldwide
2. Epidemiology and transmission dynamics
3. Global Technical Strategy (GTS) 2030
4. Trends in malaria elimination
5. Case study: Rwanda’s progress toward zero malaria

Module 2: Malaria Parasites and Biology

1. Plasmodium species
2. Life cycle and host interaction
3. Human immunity
4. Drug resistance trends
5. Case study: Artemisinin resistance in Southeast Asia

Module 3: Vector Biology and Behavior

1. Mosquito species and ecology
2. Vector biting patterns
3. Insecticide resistance mechanisms
4. Breeding site identification
5. Case study: Kenya’s Anopheles funestus resurgence

Module 4: Integrated Vector Management (IVM)

1. Indoor residual spraying (IRS)

2. Long-lasting insecticidal nets (LLINs)
3. Larval source management
4. Environmental management strategies
5. Case study: Tanzania’s IVM implementation

Module 5: Diagnostics and Case Management

1. Rapid Diagnostic Tests (RDTs)
2. Microscopy standards
3. Treatment protocols and guidelines
4. Managing severe malaria
5. Case study: Community case management in Uganda

Module 6: Surveillance, Monitoring & Evaluation

1. Indicators and data quality
2. Malaria surveillance systems
3. Data triangulation methods
4. Feedback and reporting
5. Case study: DHIS2 malaria dashboards in Zambia

Module 7: Malaria Data Analytics & GIS

1. Hotspot mapping
2. Spatial analysis and geocoding
3. Predictive modeling
4. Visualization dashboards
5. Case study: GIS for malaria mapping in Ethiopia

Module 8: Community-Based Malaria Prevention

1. Behavior change communication
2. Community health volunteer mobilization
3. Gender-sensitive approaches
4. Social norms and cultural barriers
5. Case study: CHV-led malaria interventions in Nigeria

Module 9: Climate Change and Malaria

1. Climate-sensitive malaria transmission
2. Early warning systems
3. Seasonal planning
4. Climate adaptation strategies
5. Case study: Climate-driven malaria outbreaks in Madagascar

Module 10: Malaria in Pregnancy

1. Intermittent preventive treatment (IPTp)
2. Maternal health risks
3. ANC-based prevention
4. Challenges in high-transmission areas
5. Case study: Malawi's maternal malaria program

Module 11: Malaria Elimination Strategies

1. Zero malaria pathways
2. Border malaria control
3. Surveillance in elimination settings
4. Certification requirements
5. Case study: Sri Lanka's malaria-free journey

Module 12: Supply Chain & Logistics Management

1. Procurement planning
2. Stock management of nets and medicines
3. Quality assurance
4. Last-mile delivery
5. Case study: Supply chain improvements in Zambia

Module 13: Digital Health Tools for Malaria

1. Mobile-based reporting
2. AI-assisted prediction tools
3. Telemedicine for remote areas
4. Electronic data capture platforms
5. Case study: Mobile malaria surveillance in Senegal

Module 14: Malaria Program Management

1. Stakeholder coordination
2. Policy development
3. Budgeting and resource allocation
4. Implementation planning
5. Case study: Multi-sectoral malaria program in Ghana

Module 15: Proposal Writing & Donor Engagement

1. Writing malaria project concepts
2. Logical framework development
3. M&E plan integration
4. Preparing donor reports
5. Case study: Successful Global Fund malaria proposal

Training Methodology

- Interactive instructor-led sessions
- Hands-on AI tool demonstrations
- Group-based leadership simulations
- Real-life case study discussions
- Personalized leadership development plans
- Post-training mentoring and AI coaching sessions

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com