Measuring Maternal Mortality & Metrics Training Course

Professional Development Training Course Outline

Category	Demography and Population Studies	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Maternal mortality remains a critical global health challenge, with significant disparities across regions and populations. Accurate measurement and monitoring of maternal deaths are essential for improving maternal health outcomes, guiding policy decisions, and achieving Sustainable Development Goals. Measuring Maternal Mortality & Metrics Training Course equips participants with advanced skills in data collection, analysis, and interpretation to understand maternal mortality patterns and implement evidence-based interventions. Participants will gain expertise in both traditional and innovative methods of maternal health metrics, including digital health tools, statistical modeling, and global reporting frameworks.

In addition, this course emphasizes the practical application of maternal mortality metrics in health systems strengthening, program evaluation, and policy development. Through interactive case studies, participants will explore real-world challenges and solutions, enhancing their ability to drive actionable insights in maternal health. By the end of the course, learners will be capable of designing, analyzing, and reporting maternal mortality data effectively, contributing to improved maternal health outcomes at national and organizational levels.

Programme Curriculum

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Course Objectives

By the end of this course, participants will be able to:

1. Analyze global and regional maternal mortality trends using reliable data sources.
2. Apply advanced statistical methods to estimate maternal mortality ratios.
3. Implement maternal death surveillance and response (MDSR) systems effectively.
4. Integrate digital health tools for real-time maternal mortality tracking.
5. Utilize demographic and health surveys for maternal mortality estimation.
6. Conduct comprehensive data quality assessments for maternal health metrics.
7. Interpret maternal mortality indicators to guide policy and program decisions.
8. Develop evidence-based recommendations for maternal health improvement.
9. Employ predictive modeling techniques to identify high-risk populations.
10. Communicate maternal mortality findings to diverse stakeholders effectively.
11. Design and implement community-based maternal health monitoring programs.
12. Evaluate the impact of interventions on reducing maternal deaths.
13. Apply ethical and culturally sensitive approaches in maternal health data collection.

Organizational Benefits

1. Improved decision-making through accurate maternal mortality data.
2. Enhanced capacity for health program monitoring and evaluation.
3. Strengthened organizational reporting and accountability frameworks.
4. Evidence-based policy formulation to reduce maternal deaths.
5. Increased stakeholder confidence in maternal health programs.
6. Capacity building for maternal mortality surveillance teams.
7. Better alignment with national and global health goals.

8. Optimization of resource allocation for maternal health interventions.
9. Enhanced internal and external collaboration on maternal health initiatives.
10. Promotion of innovation in data collection and analysis methods.

Target Audiences

1. Public health professionals and epidemiologists.
2. Maternal and child health program managers.
3. Health policy makers and government officials.
4. Non-governmental organization (NGO) staff working in maternal health.
5. Healthcare data analysts and statisticians.
6. Researchers in maternal and reproductive health.
7. Health information system (HIS) specialists.
8. Medical and nursing professionals involved in maternal care.

Course Duration: 5 days

Course Modules

Module 1: Introduction to Maternal Mortality Metrics

- Overview of maternal mortality definitions and indicators
- Global maternal mortality trends
- Key international reporting frameworks (WHO, UN, SDGs)
- Challenges in maternal mortality measurement
- Ethical considerations in maternal health data collection
- Case Study: Comparative analysis of maternal mortality in high-risk regions

Module 2: Data Sources for Maternal Mortality Estimation

- Civil registration and vital statistics (CRVS)
- Demographic and health surveys (DHS)
- Health facility reporting systems
- Community-based maternal death reporting
- Integrating multiple data sources for accurate estimates
- Case Study: Leveraging DHS and CRVS data in policy development

Module 3: Statistical Approaches for Estimating Maternal Mortality

- Calculating maternal mortality ratio (MMR) and rate
- Direct and indirect estimation methods
- Sampling techniques for maternal health studies
- Using regression models for maternal mortality analysis
- Data validation and quality assessment techniques
- Case Study: Statistical modeling of maternal mortality in rural populations

Module 4: Digital Tools for Maternal Mortality Monitoring

- Introduction to digital health platforms
- Real-time maternal death reporting systems
- Geographic information systems (GIS) for maternal health
- Mobile applications for community health workers
- Data visualization techniques for maternal mortality metrics
- Case Study: Implementing digital reporting in low-resource settings

Module 5: Maternal Death Surveillance and Response (MDSR)

- Principles of MDSR systems
- Identification and classification of maternal deaths
- Facility-based and community-based reporting mechanisms
- Conducting maternal death audits
- Action planning based on audit findings
- Case Study: Successful MDSR implementation in a sub-Saharan country

Module 6: Predictive Analytics for Maternal Health Risk Assessment

- Predictive modeling for high-risk populations
- Risk factors for maternal mortality
- Machine learning applications in maternal health
- Scenario analysis for policy planning
- Integrating predictive insights into intervention programs
- Case Study: Predictive modeling for maternal mortality reduction strategies

Module 7: Policy, Planning, and Advocacy Using Maternal Mortality Data

- Translating data into actionable policy

- Advocacy strategies for maternal health programs
- Designing interventions based on evidence
- Multi-sectoral approaches to reducing maternal deaths
- Monitoring and evaluation frameworks
- Case Study: Policy reform guided by maternal mortality analysis

Module 8: Ethical and Cultural Considerations in Maternal Mortality Research

- Informed consent and confidentiality in data collection
- Cultural sensitivities in maternal health reporting
- Addressing gender and social disparities
- Community engagement and empowerment
- Ethical dilemmas in data interpretation and reporting
- Case Study: Ethical handling of maternal mortality data in indigenous populations

Training Methodology

- Interactive lectures and presentations
- Hands-on exercises using real-world datasets
- Group discussions and peer learning activities
- Case study analysis with practical application
- Use of digital tools and software for maternal mortality tracking
- Role-play and simulation exercises for MDSR systems

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
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

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