Health Metrics & Indicators 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

Health Metrics & Indicators Training Course is designed to strengthen expertise in public health data analytics, health performance measurement, monitoring and evaluation (M&E), and evidence-based decision-making. The course equips professionals with advanced skills to collect, interpret, and utilize health indicators, epidemiological metrics, and health system performance data to improve population health outcomes. In an era driven by digital health transformation, SDG health indicators, and real-time health intelligence systems, mastering health metrics is essential for governments, NGOs, researchers, and healthcare institutions.

This training emphasizes practical application of health data dashboards, disease surveillance indicators, mortality and morbidity statistics, KPI tracking, and global health reporting frameworks (WHO, CDC, DHIS2 systems). Participants will gain hands-on experience in transforming raw health data into actionable insights for policy development, program evaluation, and strategic planning. The course is aligned with global health priorities, universal health coverage (UHC), and data-driven healthcare systems, ensuring learners are prepared for modern public health challenges and analytics-driven environments.

Programme Curriculum

Health Metrics & Indicators Training Course

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Course Duration

5 das

Course Objectives

1. Understand core health metrics and indicators frameworks
2. Apply epidemiological data analysis techniques
3. Measure mortality, morbidity, and disease burden indicators
4. Develop skills in health information systems (HIS)
5. Interpret public health surveillance data effectively
6. Utilize DHIS2 and digital health dashboards
7. Evaluate health program performance indicators
8. Strengthen monitoring and evaluation (M&E) systems
9. Analyze SDG health-related indicators
10. Improve data-driven healthcare decision-making
11. Design health KPI tracking systems
12. Apply biostatistics in health metrics interpretation
13. Support evidence-based health policy formulation

Target Audience

- Public health professionals
- Epidemiologists and biostatisticians
- Health program managers (NGOs & governments)
- Healthcare data analysts
- Monitoring & Evaluation (M&E) officers
- Medical researchers and academics
- Health policy makers and planners
- Digital health and health informatics specialists

Course Modules

Module 1: Foundations of Health Metrics

- Introduction to health indicators and classifications
- Key performance indicators (KPIs) in healthcare
- Global health measurement frameworks
- Data quality and validation principles
- **Case Study:** WHO global burden of disease tracking system

Module 2: Epidemiology & Disease Metrics

- Incidence and prevalence rate calculations
- Outbreak and surveillance indicators

- Risk ratio and odds ratio interpretation
- Disease trend analysis methods
- **Case Study:** COVID-19 epidemiological surveillance metrics

Module 3: Health Information Systems (HIS)

- Structure of national HIS frameworks
- Introduction to DHIS2 platform
- Data reporting workflows
- Integration of electronic health records
- **Case Study:** Kenya HMIS digital transformation success story

Module 4: Monitoring & Evaluation (M&E)

- Designing M&E frameworks
- Indicator selection techniques
- Logical framework approach (LogFrame)
- Performance tracking tools
- **Case Study:** UNICEF maternal health program evaluation

Module 5: Biostatistics for Health Metrics

- Descriptive and inferential statistics
- Sampling methods in health studies
- Regression and correlation analysis
- Statistical significance in health data
- **Case Study:** Clinical trial effectiveness analysis

Module 6: Health Data Visualization & Dashboards

- Data visualization principles
- Building health dashboards
- Use of Tableau, Power BI in health analytics
- Interpreting visual health indicators
- **Case Study:** Hospital patient flow dashboard optimization

Module 7: Global Health Indicators & SDGs

- SDG health indicator tracking
- WHO global health observatory metrics
- Maternal and child health indicators
- Communicable vs non-communicable disease metrics
- **Case Study:** SDG 3 monitoring in Sub-Saharan Africa

Module 8: Health Policy & Decision Analytics

- Translating data into policy actions
- Health economics indicators
- Resource allocation metrics
- Strategic health planning tools
- **Case Study:** National health insurance optimization model

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

Start Date	End Date	Location	Price
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

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

Register Online Now

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