Social Epidemiology 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

Social Epidemiology is an advanced interdisciplinary field that examines how social structures, economic inequalities, environmental conditions, public policies, behavioral determinants, and community systems influence population health outcomes. In today's rapidly changing global health landscape, the demand for professionals equipped with expertise in health equity, social determinants of health (SDOH), public health analytics, disease prevention strategies, community health systems, digital epidemiology, and evidence-based interventions has increased significantly. Social Epidemiology Training Course is designed to empower healthcare professionals, researchers, policymakers, NGOs, development practitioners, and public health leaders with practical knowledge and analytical skills to identify, measure, and address health disparities across diverse populations using modern epidemiological frameworks and data-driven public health approaches.

The course integrates cutting-edge concepts such as global health security, health informatics, AI-driven public health surveillance, pandemic preparedness, population health management, precision public health, community resilience, climate change and health, health policy evaluation, and social impact assessment. Participants will gain hands-on experience in epidemiological research methods, statistical analysis, program evaluation, risk communication, and community-based interventions through practical case studies and real-world applications. By combining theoretical foundations with experiential learning, the training prepares participants to design sustainable health interventions, strengthen healthcare systems, improve health outcomes, and contribute to achieving Universal Health Coverage (UHC) and Sustainable Development Goals (SDGs).

Programme Curriculum

Social Epidemiology Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. To strengthen participants' understanding of social determinants of health, health inequalities, and population health dynamics.
2. To develop skills in public health data analytics, epidemiological surveillance, and evidence-based decision-making.
3. To enhance knowledge of digital health systems, AI-driven epidemiology, and health informatics applications.
4. To build competencies in community health assessment, stakeholder engagement, and participatory research methods.
5. To improve participants' ability to design and evaluate health equity interventions and inclusive healthcare programs.
6. To provide practical expertise in disease prevention strategies, outbreak response, and pandemic preparedness.
7. To strengthen understanding of global health governance, health financing, and healthcare policy analysis.
8. To equip learners with advanced techniques in biostatistics, data visualization, and predictive public health modeling.
9. To promote the use of behavioral health interventions and risk communication strategies for vulnerable populations.
10. To develop capacities in climate change and health impact assessment and environmental epidemiology.
11. To enhance skills in monitoring and evaluation (M&E), impact assessment, and public health reporting.
12. To foster leadership in health systems strengthening, public health innovation, and sustainable healthcare development.

13. To encourage interdisciplinary collaboration in addressing emerging issues in precision public health, health resilience, and social policy reform.

Target Audience

1. Public Health Professionals
2. Epidemiologists and Researchers
3. Medical Doctors and Healthcare Workers
4. NGO and Humanitarian Program Officers
5. Government Health Officials and Policymakers
6. Community Health Practitioners
7. University Lecturers and Students in Health Sciences
8. Monitoring & Evaluation (M&E) Specialists and Data Analysts

Course Modules

Module 1: Foundations of Social Epidemiology

- Introduction to Social Epidemiology and Population Health
- Concepts of Health Equity and Health Inequality
- Social Determinants of Health (SDOH)
- Public Health Ethics and Human Rights
- Epidemiological Transition and Global Disease Burden
- **Case Study:** Analysis of healthcare disparities and COVID-19 outcomes among low-income populations.

Module 2: Epidemiological Research Methods

- Quantitative and Qualitative Research Approaches
- Study Design in Epidemiology
- Data Collection and Sampling Techniques
- Biostatistics and Data Interpretation
- Research Ethics and Institutional Review Processes
- **Case Study:** Designing a community-based epidemiological survey for maternal health improvement.

Module 3: Digital Epidemiology and Health Informatics

- Digital Disease Surveillance Systems
- Artificial Intelligence in Public Health
- GIS Mapping and Spatial Epidemiology
- Health Information Systems and Big Data
- Data Privacy, Security, and Ethical Issues
- **Case Study:** Using GIS and mobile health data to monitor malaria transmission hotspots.

Module 4: Community Health and Behavioral Epidemiology

- Community-Based Health Interventions
- Behavioral Risk Factors and Lifestyle Diseases
- Health Promotion and Risk Communication
- Mental Health and Social Wellbeing
- Cultural Competency in Healthcare Delivery
- **Case Study:** Behavior change communication strategies for reducing tobacco use among youth.

Module 5: Health Policy and Global Health Systems

- Health Systems Strengthening
- Universal Health Coverage (UHC)
- Health Financing and Resource Allocation
- Global Health Governance and Policy Analysis
- Sustainable Development Goals (SDGs) and Public Health
- **Case Study:** Evaluation of national health insurance programs and access to healthcare services.

Module 6: Infectious Disease Epidemiology and Pandemic Preparedness

- Emerging and Re-emerging Infectious Diseases
- Outbreak Investigation Techniques
- Pandemic Preparedness and Emergency Response
- Vaccination Strategies and Herd Immunity
- One Health Approach and Zoonotic Diseases
- **Case Study:** Lessons learned from Ebola and COVID-19 outbreak response systems.

Module 7: Environmental and Climate Change Epidemiology

- Climate Change and Population Health
- Environmental Risk Assessment
- Air, Water, and Foodborne Diseases
- Occupational Health and Safety
- Disaster Risk Reduction and Community Resilience
- **Case Study:** Impact of climate change on vector-borne diseases in vulnerable communities.

Module 8: Monitoring, Evaluation, and Public Health Leadership

- Monitoring & Evaluation Frameworks
- Impact Assessment and Public Health Indicators
- Leadership and Strategic Management in Health Programs
- Public Health Communication and Advocacy
- Proposal Writing and Resource Mobilization
- **Case Study:** Developing an M&E framework for a donor-funded community health project.

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
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