Training course on Integrated Disease Surveillance and Response (IDSR)

Professional Development Training Course Outline

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

Course Introduction

The Integrated Disease Surveillance and Response (IDSR) training course equips participants with essential skills and knowledge to enhance public health systems' efficiency in detecting, investigating, and responding to priority diseases, conditions, and events. This training supports the implementation of national and global health strategies, contributing to improved health outcomes and strengthened surveillance systems. By integrating surveillance and response functions, this course helps reduce disease morbidity and mortality, particularly in resource-limited settings.

Global health challenges such as pandemics, emerging infections, and chronic conditions emphasize the importance of robust surveillance systems. IDSR offers a structured approach to monitoring, analyzing, and acting on health data, allowing for timely detection of outbreaks and the prevention of their spread. This course provides health professionals with the tools to establish seamless coordination across sectors, ensuring quick, efficient responses to public health threats.

Programme Curriculum

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Participants will gain insights into global best practices, strategic planning, and operational methods to strengthen health systems at all levels. The course also integrates case studies and real-world scenarios to highlight the practical implementation of IDSR guidelines, with a focus on scalability, sustainability, and long-term impact on community health. This comprehensive training aligns with World Health Organization (WHO) and regional guidelines, addressing local challenges while promoting international collaboration. With an emphasis on data-driven decisions, the course empowers public health professionals to make informed choices that protect and improve community health.

Course duration

5 Days

Course Objectives

1. Understand the principles and framework of the IDSR strategy.
2. Identify priority diseases and conditions of public health concern.
3. Develop skills to detect, notify, and report disease outbreaks effectively.
4. Analyze surveillance data for trends and outbreak patterns.
5. Strengthen capacities in disease investigation and risk assessment.
6. Apply practical methods for outbreak response and control measures.
7. Foster multisectoral collaboration in disease surveillance and response.
8. Integrate IDSR into existing health systems for sustainability.
9. Enhance community engagement in surveillance and response activities.
10. Evaluate the effectiveness of IDSR interventions for continuous improvement.

Organizational Benefits

1. Improve their capacity for early detection and management of disease outbreaks.
2. Enhance workforce knowledge and skills in disease surveillance and response.
3. Establish a robust framework for monitoring health indicators.
4. Strengthen interdepartmental and inter-agency collaboration.
5. Foster alignment with national and international health guidelines.
6. Reduce response times to public health emergencies.
7. Improve public trust and confidence in health systems.
8. Achieve better resource allocation through data-driven decision-making.
9. Build sustainable systems for ongoing surveillance and reporting.
10. Mitigate economic losses from health crises through timely interventions.

Target Participants

- Public health officials and policymakers.

- Epidemiologists and disease surveillance officers.
- Health workers in hospitals, clinics, and community health settings.
- Emergency response teams and disaster management personnel.
- Academics and researchers in public health and epidemiology.
- NGO staff involved in health interventions and advocacy.
- Health system administrators and planners.
- Professionals from international health organizations and donor agencies.
- Environmental health officers.
- Anyone involved in health data analysis or disease reporting

Course Outline

Module 1: Introduction to IDSR Framework

1. Overview of IDSR principles and strategies.
2. Global and regional perspectives on disease surveillance.
3. Understanding priority diseases, conditions, and events.
4. Roles of stakeholders in the IDSR system.
5. Case Study: IDSR implementation in a resource-limited setting.

Module 2: Disease Surveillance Systems

1. Components and types of surveillance systems.
2. Data collection, validation, and reporting processes.
3. Identifying disease trends and patterns.
4. Role of technology in modern surveillance.
5. Case Study: Using digital tools to enhance disease reporting.

Module 3: Outbreak Investigation and Risk Assessment

1. Steps in outbreak investigation.
2. Epidemiological methods for outbreak analysis.
3. Risk assessment and prioritization.
4. Communication strategies during an outbreak.
5. Case Study: Managing a cholera outbreak in an urban area.

Module 4: Response Planning and Implementation

1. Developing response plans and protocols.
2. Resource mobilization and logistics management.
3. Integrating response efforts across sectors.
4. Monitoring and evaluating response effectiveness.
5. Case Study: Coordinated response to a pandemic threat.

Module 5: Strengthening Health Systems for IDSR

1. Aligning IDSR with national health policies.
2. Training and capacity building for health workers.
3. Sustainable financing for disease surveillance.
4. Community engagement and education.
5. Case Study: Enhancing community participation in malaria control.

Module 6: Evaluating and Improving IDSR Systems

1. Tools for evaluating surveillance system performance.
2. Identifying gaps and areas for improvement.
3. Adapting IDSR for emerging health threats.
4. Reporting and disseminating findings.
5. Case Study: Lessons learned from Ebola outbreak response.

Training Methodology

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

- **Interactive Lectures**: Presentations by subject-matter experts with Q&A sessions.
- **Group Discussions**: Collaborative problem-solving on real-world scenarios.
- **Case Studies**: In-depth analysis of past disease outbreaks.
- **Simulations**: Practical exercises to apply IDSR strategies.
- **Workshops**: Hands-on training in data analysis and reporting tools.
- **Peer Learning**: Sharing experiences and best practices across sectors**.**

The instructor led trainings are delivered using a blended learning approach and comprises of presentations, guided sessions of practical exercise, web-based tutorials and group work. Our facilitators are seasoned industry experts with years of experience, working as professional and trainers in these fields.

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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