# Global Health Security Training Course

Professional Development Training Course Outline

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| **Category** | Political Science and International Relations | **Duration** | 5 Days |
| **Base Fee** | $1,500 USD | **Delivery Mode** | Online / On-site Hybrid |

## Course Introduction

Global Health Security Training Course provides an in-depth exploration of the critical intersection between global health security, pandemic preparedness, and biosecurity. In an increasingly interconnected world, where emerging infectious diseases and deliberate biological threats pose a significant danger to public health and socioeconomic stability, it's never been more important to be equipped with the knowledge and skills to effectively prevent, detect, and respond to these challenges. We'll delve into the latest strategies and frameworks, from the **One Health** approach to advanced **epidemic intelligence**, ensuring participants are prepared to protect communities and build resilient health systems.

This program is designed for a diverse audience, from frontline public health workers to policymakers and researchers, offering a holistic perspective on complex **biorisk management** and **public health emergency** response. Through a blend of theoretical knowledge and practical, real-world case studies, we aim to build a global community of skilled professionals ready to tackle the next major **health security threat**. This course isn't just about understanding the risks; it's about empowering individuals and organizations to take decisive action in safeguarding humanity against biological crises.

## Programme Curriculum

**Global Health Security Training Course**

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**Course Duration**

5 days

**Course Objectives**

Upon completion of this course, participants will be able to:

- **Critically analyze** the global health security landscape and its key drivers.
- **Evaluate** the principles of **pandemic preparedness and response**.
- **Develop** and implement **biorisk management** and **biosafety** protocols.
- **Utilize epidemic intelligence** and surveillance systems for early detection.
- **Formulate crisis communication** strategies for public health emergencies.
- **Integrate** the **One Health approach** into national and regional health security frameworks.
- **Assess** the legal and ethical dimensions of **biodefense** and biosecurity.
- **Identify** and address the challenges of **antimicrobial resistance (AMR)**.
- **Apply** lessons from past pandemics to future **infectious disease** outbreaks.
- **Collaborate** with interdisciplinary and multisectoral partners in emergency response.
- **Strengthen** national and local **public health infrastructure** to improve resilience.
- **Implement** strategies for continuity of essential services during a pandemic.
- **Navigate** the role of international health regulations and global governance in health security.

**Target Audience**

- **Public health professionals** and epidemiologists
- **Healthcare administrators** and hospital managers
- **Government officials** and policymakers
- **Emergency and disaster management specialists**
- **Laboratory scientists** and researchers
- **Veterinarians** and animal health specialists
- **International aid workers** and NGO staff
- **Security and defense personnel** with a focus on biological threats

**Course Outline**

**Module 1: Foundations of Global Health Security**

- Defining Global Health Security: A historical perspective and current landscape.
- Key players and international frameworks: WHO, IHR, and the Global Health Security Agenda.
- The socio-economic and political impact of pandemics.
- The link between climate change, globalization, and infectious disease emergence.
- **Case Study:** The SARS-CoV-1 outbreak and its impact on global trade and travel.

**Module 2: Pandemic Preparedness and Surveillance**

- Principles of early warning and surveillance systems.
- **Event-based surveillance** versus **indicator-based surveillance**.
- Tools and technologies for **epidemic intelligence** and data analytics.
- Developing national and regional pandemic preparedness plans.
- **Case Study:** The 2014 Ebola outbreak in West Africa, focusing on gaps in surveillance and response.

**Module 3: Biosecurity, Biosafety, and Biorisk Management**

- Introduction to **biosafety levels (BSL)** and laboratory security.
- **Dual-use research** of concern and managing biological risks.
- Protocols for handling, transporting, and securing dangerous pathogens.
- Auditing and quality control for **biorisk management** systems.
- **Case Study:** The smallpox virus accidental release and lessons for high-consequence pathogen handling.

**Module 4: The One Health Approach**

- Understanding the **human-animal-environment interface**.
- Preventing and responding to **zoonotic diseases**.
- Integrating veterinary and environmental health into public health strategies.
- **Antimicrobial Resistance (AMR)** as a global security threat.
- **Case Study:** The emergence of H5N1 avian influenza and a multisectoral response.

**Module 5: Public Health Emergency Response**

- Establishing an effective emergency operations center (EOC).
- **Risk communication and community engagement (RCCE)** during a crisis.
- Contact tracing, quarantine, and non-pharmaceutical interventions.
- Supply chain management for medical countermeasures and personal protective equipment (PPE).
- **Case Study:** The COVID-19 pandemic response, analyzing public communication and logistical challenges.

**Module 6: Vaccines, Therapeutics, and Diagnostics**

- Understanding vaccine and therapeutic development pathways.
- Rapid diagnostics and point-of-care testing.
- Ethical and equitable distribution of medical countermeasures.
- The role of biotechnology in pandemic response.
- **Case Study:** Operation Warp Speed and the rapid development of COVID-19 vaccines.

**Module 7: Legal, Ethical, and Governance Issues**

- Navigating the **International Health Regulations (IHR)** and their implementation.
- Legal frameworks for public health mandates and emergency powers.
- Ethical considerations in resource allocation during a pandemic.
- The role of a **global pandemic treaty** in future response.
- **Case Study:** Legal challenges to lockdown measures and vaccination mandates.

**Module 8: Building Resilient Health Systems**

- Assessing national health system resilience and capacity.
- Strengthening the public health workforce and institutional capabilities.
- Financing for pandemic preparedness and response.
- The importance of continuity of essential health services.
- **Case Study:** A country's plan to rebuild its health system post-pandemic.

**Training Methodology**

Our training employs a **blended learning approach**, combining live virtual sessions with self-paced online modules. This methodology is designed to facilitate both theoretical understanding and practical application. Key components include:

- **Interactive Workshops:** Led by subject matter experts, these sessions foster real-time discussions and problem-solving.
- **Case Study Analysis:** Participants will work through real-world scenarios to apply concepts and develop critical thinking skills.
- **Simulations and Drills:** Hands-on exercises for emergency response planning and execution.
- **Collaborative Group Projects:** Team-based assignments to address complex global health security challenges.
- **Expert Guest Lectures:** Insights from leading professionals from organizations like the WHO and CDC.
- **Pre- and Post-Course Assessments:** To gauge knowledge retention and skill development.

**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