Climate Resilience in Health 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

Climate change is rapidly transforming global public health systems, creating urgent challenges related to heatwaves, vector-borne diseases, air pollution, water insecurity, food safety, climate-sensitive infections, disaster preparedness, and health emergencies. Healthcare professionals, policymakers, humanitarian agencies, and community leaders must now strengthen climate resilience, health adaptation strategies, emergency response systems, and sustainable healthcare practices to protect vulnerable populations. Climate resilience in health focuses on building adaptive, inclusive, and data-driven healthcare systems capable of anticipating, preparing for, and responding to climate-related risks while ensuring continuity of care and public health security.

Climate Resilience in Health Training Course equips participants with practical tools, global frameworks, climate-health intelligence, risk assessment methodologies, climate-informed healthcare planning, and sustainable public health interventions. The course integrates ESG principles, One Health approaches, climate-smart healthcare, digital health innovation, environmental sustainability, disaster risk reduction, community resilience, and climate governance to empower professionals in developing resilient healthcare systems aligned with global climate and health priorities such as the SDGs, COP climate goals, and WHO climate-health strategies.

Programme Curriculum

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Curse Duration

5 days

Course Objectives

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

1. Understand the relationship between climate change, public health, and health system resilience.
2. Analyze climate-sensitive diseases and emerging global health threats.
3. Develop climate adaptation and mitigation strategies for healthcare systems.
4. Apply disaster risk reduction (DRR) frameworks in health emergencies.
5. Strengthen climate-smart healthcare infrastructure and sustainable hospitals.
6. Conduct health vulnerability and climate risk assessments using data-driven tools.
7. Integrate One Health and planetary health approaches into healthcare planning.
8. Enhance emergency preparedness, outbreak management, and pandemic resilience.
9. Promote renewable energy, green healthcare, and low-carbon health systems.
10. Utilize AI, GIS mapping, digital surveillance, and climate-health analytics.
11. Design community-based resilience and health equity programs for vulnerable populations.
12. Improve policy advocacy, ESG compliance, and climate-health governance.
13. Create actionable climate resilience roadmaps and sustainability action plans.

Target Audience

1. Public Health Professionals
2. Healthcare Administrators and Hospital Managers
3. Environmental Health Officers
4. Climate Change and Sustainability Specialists
5. Government and Policy Officials
6. NGOs and Humanitarian Organizations
7. Disaster Risk Management Professionals
8. Researchers, Academics, and Development Practitioners

Course Modules

Module 1: Climate Change and Global Health Systems

- Climate science fundamentals and health impacts
- Climate-sensitive diseases and emerging threats

- Heat stress, air pollution, and respiratory illnesses
- Global climate-health policies and WHO frameworks
- Public health resilience strategies
- **Case Study: Heatwave Health Crisis Management in Europe**

Module 2: Climate Risk Assessment in Healthcare

- Climate vulnerability assessment tools
- Health risk mapping and GIS applications
- Data analytics for climate-health intelligence
- Monitoring environmental health indicators
- Early warning systems and predictive modeling
- **Case Study: Flood Risk Assessment for Community Health Centers in South Asia**

Module 3: Climate-Smart Healthcare Systems

- Sustainable healthcare infrastructure
- Green hospitals and energy efficiency
- Renewable energy integration in healthcare
- Water, sanitation, and waste management
- Carbon footprint reduction in health facilities
- **Case Study: Net-Zero Healthcare Facility Transformation**

Module 4: Disaster Preparedness and Emergency Response

- Disaster risk reduction frameworks
- Emergency response planning and coordination
- Climate-related humanitarian crises
- Pandemic preparedness and resilience
- Crisis communication and rapid response systems
- **Case Study: Cyclone Emergency Health Response in Coastal Communities**

Module 5: One Health and Environmental Sustainability

- One Health approach to disease prevention
- Biodiversity, ecosystems, and public health
- Zoonotic disease surveillance
- Food security and nutrition resilience
- Environmental sustainability strategies
- **Case Study: Zoonotic Disease Control through One Health Collaboration**

Module 6: Community Health Resilience and Health Equity

- Community-based adaptation strategies
- Climate justice and vulnerable populations
- Indigenous knowledge and resilience
- Mental health impacts of climate disasters
- Inclusive public health interventions
- **Case Study: Community Resilience Programs in Drought-Affected Regions**

Module 7: Digital Innovation and Climate-Health Technologies

- AI applications in climate-health monitoring
- Telemedicine and digital health systems
- Smart surveillance and outbreak detection
- Climate data dashboards and analytics
- Mobile health technologies for resilience
- **Case Study: AI-Powered Disease Surveillance during Extreme Weather Events**

Module 8: Climate Governance, Policy, and Leadership

- Climate-health policy development
- ESG and sustainability governance
- Health financing for climate adaptation
- Leadership in resilient healthcare systems
- Strategic climate resilience action planning
- **Case Study: National Climate and Health Policy Implementation Framework**

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:

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