Global Health Innovation 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

Global health systems are undergoing rapid transformation driven by digital health innovation, artificial intelligence (AI), health equity demands, and pandemic preparedness needs. Global Health Innovation Training Course is designed to equip professionals with cutting-edge competencies in healthtech innovation, data-driven healthcare solutions, digital transformation, and scalable health systems design. Participants will gain hands-on exposure to emerging tools such as AI-powered diagnostics, mobile health (mHealth), telemedicine platforms, blockchain for health records, and predictive epidemiology models that are reshaping global healthcare delivery.

This course bridges the gap between traditional public health approaches and modern innovation ecosystems by integrating startup thinking, health systems strengthening, and digital transformation strategies. It prepares learners to design and implement impactful solutions aligned with UN Sustainable Development Goals (SDGs), universal health coverage (UHC), global disease surveillance, and health innovation ecosystems. By the end of the training, participants will be able to lead transformative health initiatives across governments, NGOs, startups, and international health organizations.

Programme Curriculum

Global Health Innovation Training Course

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Course Duration

5 days

Course Objectives

1. Understand global health innovation ecosystems and digital transformation trends
2. Apply AI and machine learning in healthcare delivery systems
3. Design scalable digital health solutions for low-resource settings
4. Strengthen pandemic preparedness and global disease surveillance systems
5. Integrate mHealth and telemedicine platforms in healthcare delivery
6. Develop data-driven decision-making in public health programs
7. Promote health equity and inclusive healthcare innovation
8. Build healthtech startup and entrepreneurial capabilities
9. Utilize big data analytics in epidemiology and population health
10. Apply blockchain for secure health information systems
11. Strengthen innovation in maternal, child, and community health
12. Align solutions with UN SDGs and universal health coverage goals
13. Lead cross-sector collaboration in global health innovation

Target Audience

1. Public health professionals and epidemiologists
2. Healthcare policymakers and government officials
3. NGO and humanitarian health workers
4. Healthtech startup founders and entrepreneurs
5. Medical doctors and clinicians
6. Data scientists and AI engineers in healthcare
7. University students in public health and medicine
8. Global development and donor organization staff

Course Modules

Module 1: Foundations of Global Health Innovation

- Global health systems overview and challenges
- Innovation ecosystems in healthcare
- Digital health transformation trends
- SDGs and universal health coverage alignment
- Case Study: Rwanda’s national digital health transformation program

Module 2: Artificial Intelligence in Healthcare

- AI-powered diagnostics and decision support systems
- Predictive analytics in disease outbreaks
- Machine learning in clinical workflows
- Ethical considerations in AI healthcare
- Case Study: AI-based tuberculosis detection in India

Module 3: Digital Health & Telemedicine Systems

- Telemedicine infrastructure and platforms
- Remote patient monitoring technologies
- Mobile health (mHealth) applications
- Rural healthcare access innovations
- Case Study: Telehealth expansion in Kenya during COVID-19

Module 4: Health Data Systems & Analytics

- Big data in population health
- Health information systems interoperability
- Data governance and privacy frameworks
- Epidemiological modeling techniques
- Case Study: CDC global disease surveillance systems

Module 5: Global Disease Surveillance & Preparedness

- Early warning systems for pandemics
- Outbreak tracking technologies
- Genomic surveillance systems
- Cross-border health security collaboration
- Case Study: COVID-19 global tracking dashboards

Module 6: Health Entrepreneurship & Startup Innovation

- Building healthtech startups
- Funding and investment in health innovation
- Product development lifecycle in healthcare
- Market entry strategies in global health
- Case Study: Zipline medical drone delivery system in Africa

Module 7: Health Equity & Community Innovation

- Social determinants of health
- Inclusive healthcare design
- Community-driven innovation models
- Gender and vulnerable population health solutions
- Case Study: BRAC community health worker model in Bangladesh

Module 8: Emerging Technologies in Healthcare

- Blockchain for electronic health records
- IoT in smart healthcare systems
- Robotics in surgery and care delivery
- AR/VR in medical training

- Case Study: Blockchain-based patient record system in Estonia

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

Start Date	End Date	Location	Price
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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