# Digital Global Health Training Course

Professional Development Training Course Outline

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

## Course Introduction

Digital Global Health Training Course is designed to equip health professionals, policymakers, researchers, and development practitioners with advanced competencies in digital health systems, telemedicine, AI in healthcare, health informatics, and global disease surveillance technologies. As healthcare systems rapidly evolve through digital transformation, eHealth integration, and data-driven decision-making, this course bridges the gap between traditional healthcare delivery and modern technology-enabled global health solutions. Participants gain practical skills to address pressing global health challenges such as pandemics, maternal health, infectious diseases, and health equity using digital innovation and scalable health technologies.

This program emphasizes real-world application of mHealth platforms, electronic health records (EHRs), interoperability standards, blockchain in healthcare, and artificial intelligence for diagnostics and predictive analytics. It prepares learners to contribute effectively to WHO digital health strategies, global health security initiatives, and sustainable healthcare innovation ecosystems. Through immersive learning, case-based analysis, and hands-on digital tools, participants become leaders in shaping the future of global digital health transformation and public health intelligence systems.

## Programme Curriculum

**Digital Global Health Training Course.**

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**Course Duration**

5 days

**Course Objectives**

1. Understand digital health ecosystems and global health informatics frameworks
2. Apply telemedicine and telehealth solutions in resource-limited settings
3. Analyze AI-powered healthcare diagnostics and predictive modeling
4. Implement electronic health records (EHR) and interoperability standards (HL7, FHIR)
5. Utilize mobile health (mHealth) technologies for community health interventions
6. Strengthen global disease surveillance and outbreak detection systems
7. Explore blockchain applications in healthcare data security
8. Develop skills in health data analytics and visualization tools
9. Integrate digital epidemiology in public health decision-making
10. Evaluate cybersecurity risks in digital health infrastructures
11. Promote equity and accessibility in digital health systems
12. Design digital health innovation projects for global impact
13. Align digital health strategies with UN SDGs and WHO digital health guidelines

**Target Audience**

1. Public health professionals
2. Medical doctors and clinicians
3. Health IT specialists
4. Epidemiologists and biostatisticians
5. NGO and humanitarian health workers
6. Government health policymakers
7. Health researchers and academics
8. Digital health startup founders and innovators

**Course Modules**

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

- Evolution of digital health ecosystems
- Global health informatics principles
- Role of WHO digital health strategies
- Case Study: COVID-19 digital response systems
- Digital health policy frameworks

**Module 2: Telemedicine & Telehealth Systems**

- Remote healthcare delivery models
- Teleconsultation platforms and tools
- Rural healthcare digitization
- Case Study: Telemedicine in India’s rural clinics
- Regulatory frameworks in telehealth

**Module 3: Health Data Analytics & AI in Healthcare**

- AI in disease prediction and diagnostics
- Machine learning in healthcare systems
- Big data in epidemiology
- Case Study: AI-based tuberculosis detection systems
- Predictive health analytics dashboards

**Module 4: Electronic Health Records (EHR) & Interoperability**

- EHR system architecture
- HL7 and FHIR standards
- Data exchange in healthcare systems
- Case Study: National EHR implementation in Estonia
- Patient data management systems

**Module 5: Mobile Health (mHealth) & Community Health**

- Mobile apps for health monitoring
- SMS-based health interventions
- Wearable health technologies
- Case Study: mHealth maternal care programs in Africa
- Community health data collection tools

**Module 6: Global Disease Surveillance Systems**

- Real-time outbreak tracking systems
- Digital epidemiology tools
- GIS in disease mapping
- Case Study: Ebola outbreak digital tracking systems
- Early warning health systems

**Module 7: Cybersecurity in Digital Health**

- Healthcare data protection strategies
- Cyber threats in health systems
- Blockchain for secure medical data
- Case Study: Hospital ransomware attack response
- Privacy and compliance regulations

**Module 8: Innovation & Future of Digital Health**

- Digital health startups and innovation models
- Health tech entrepreneurship
- AI-driven future healthcare systems
- Case Study: AI triage systems in emergency care

- Scaling digital health solutions globally

### 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 |

Ready to enroll or request a customized program? Book online or contact us:

**Register Online Now**

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com