Research Ethics 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

Research Ethics in Health is a foundational discipline that ensures all biomedical, clinical, and public health research is conducted with integrity, accountability, and respect for human dignity. In today's rapidly evolving healthcare landscape, the demand for ethical clinical trials, data privacy protection, informed consent compliance, and responsible research governance has never been higher. Research Ethics in Health Training Course equips participants with advanced knowledge of bioethics principles, regulatory frameworks, institutional review board (IRB) processes, and global ethical standards such as the Declaration of Helsinki and Good Clinical Practice (GCP). It is designed to strengthen decision-making in ethically complex health research environments while promoting trust, transparency, and patient safety.

As health research becomes increasingly data-driven and technology-enabled especially with AI in healthcare, genomics, and digital health systems ethical challenges are becoming more complex. Issues such as patient confidentiality, vulnerable population protection, research misconduct prevention, and equitable access to healthcare innovations require highly skilled professionals. This course provides a comprehensive, practical, and globally relevant approach to ethical compliance in health research, ensuring participants can confidently navigate ethical dilemmas while maintaining scientific rigor and regulatory adherence.

Programme Curriculum

Research Ethics in Health Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Understand core principles of bioethics in health research
2. Apply informed consent best practices in clinical studies
3. Ensure compliance with Good Clinical Practice (GCP) guidelines
4. Strengthen knowledge of Institutional Review Board (IRB) approval processes
5. Identify and prevent research misconduct and data falsification
6. Promote patient rights and participant protection frameworks
7. Analyze ethical issues in clinical trials and biomedical studies
8. Implement data privacy and confidentiality in health research
9. Understand global health research regulations and compliance standards
10. Address ethical challenges in AI-driven healthcare research
11. Evaluate risks in vulnerable population research ethics
12. Promote transparency in publishing and academic integrity
13. Develop skills for ethical decision-making in healthcare innovation

Target Audience

1. Medical doctors and clinical researchers
2. Public health professionals
3. Clinical trial coordinators
4. Biomedical scientists and laboratory researchers
5. Ethics committee and IRB members
6. Nursing and allied health professionals
7. Healthcare policy makers and regulators
8. Postgraduate students in medicine and public health

Course Modules

Module 1: Foundations of Research Ethics in Health

- Principles of autonomy, beneficence, non-maleficence, justice
- Historical evolution of ethical standards in medicine
- Overview of global ethical guidelines (Helsinki, Belmont Report)
- Role of ethics in modern healthcare research

- Ethical responsibilities of researchers
- **Case Study:** Tuskegee Syphilis Study and lessons on ethical violations

Module 2: Informed Consent and Participant Rights

- Elements of valid informed consent
- Consent in vulnerable populations
- Digital consent in telemedicine and e-health research
- Language, literacy, and cultural considerations
- Documentation and legal requirements
- **Case Study:** Informed consent failure in pediatric vaccine trial

Module 3: Clinical Trials and Ethical Governance

- Phases of clinical trials and ethical checkpoints
- Role of Data Safety Monitoring Boards (DSMBs)
- Trial transparency and reporting standards
- Conflict of interest management
- Ethical trial termination criteria
- **Case Study:** COVID-19 vaccine trial emergency approval ethics

Module 4: Institutional Review Boards (IRB) & Ethics Committees

- Structure and function of IRBs
- Submission and approval processes
- Risk-benefit analysis frameworks
- Continuous ethical monitoring
- Protocol amendments and compliance tracking
- **Case Study:** IRB rejection of high-risk oncology trial proposal

Module 5: Data Privacy, Confidentiality & Security

- Health data protection laws and standards
- Patient confidentiality in digital systems
- Data anonymization and encryption techniques
- Cross-border data sharing ethics
- Cybersecurity in health research
- **Case Study:** Health data breach in electronic medical records system

Module 6: Research Misconduct and Scientific Integrity

- Types: fabrication, falsification, plagiarism
- Detection and prevention mechanisms
- Whistleblowing policies
- Publication ethics and peer review integrity
- Institutional accountability systems
- **Case Study:** Retraction of fabricated stem cell research study

Module 7: Ethics in Emerging Technologies (AI, Genomics, Big Data)

- Ethical challenges in AI-driven diagnostics
- Bias and fairness in machine learning models

- Genomic data ownership and consent
- Algorithm transparency and accountability
- Ethical implications of predictive analytics
- **Case Study:** AI bias in radiology diagnosis systems

Module 8: Global Health Ethics and Equity

- Ethical challenges in multinational research
- Health equity and access to innovation
- Community engagement in research design
- Resource allocation ethics
- Pandemic research ethics and emergency response
- **Case Study:** Ethical distribution of COVID-19 vaccines in low-income countries

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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