Health Economics Fundamentals Training Course

Professional Development Training Course Outline

Category	Public Health	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The healthcare sector is rapidly transforming through digital health innovation, universal health coverage (UHC), value-based healthcare, health financing reforms, artificial intelligence in healthcare, healthcare sustainability, strategic purchasing, and data-driven policy making. Governments, NGOs, insurers, hospitals, pharmaceutical companies, and development agencies increasingly require professionals with practical competencies in health economics, economic evaluation, healthcare budgeting, cost-effectiveness analysis, healthcare analytics, health technology assessment (HTA), and healthcare resource optimization. Health Economics Fundamentals Training Course is designed to equip participants with cutting-edge knowledge, analytical tools, and practical frameworks to navigate modern healthcare systems and improve decision-making outcomes in both public and private health sectors.

The course integrates global best practices, real-world case studies, healthcare market trends, evidence-based policy frameworks, digital transformation strategies, and sustainable healthcare financing models to develop future-ready professionals capable of addressing complex health system challenges. Participants will gain hands-on exposure to healthcare expenditure analysis, pharmaceutical economics, insurance systems, public-private partnerships (PPP), healthcare investment planning, epidemiological economics, healthcare innovation ecosystems, and impact measurement frameworks. By the end of the training, participants will possess the strategic skills required to contribute effectively to healthcare policy development, health program management, and financial sustainability initiatives within dynamic healthcare environments.

Programme Curriculum

Health Economics Fundamentals Training Course

Introduction

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Course Duration

10 days

Course Objectives

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

1. Understand the principles of Health Economics and Healthcare Financing Systems.
2. Apply Cost-Effectiveness Analysis (CEA) in healthcare decision-making.
3. Analyze Healthcare Market Dynamics and Demand-Supply Models.
4. Evaluate Universal Health Coverage (UHC) and Health Policy Frameworks.
5. Develop strategies for Healthcare Cost Optimization and Resource Allocation.
6. Interpret Health Data Analytics and Evidence-Based Decision Making.
7. Assess Health Technology Assessment (HTA) and Digital Health Innovations.
8. Examine Pharmaceutical Economics and Drug Pricing Strategies.
9. Design sustainable Healthcare Budgeting and Financial Planning Models.
10. Evaluate the impact of Artificial Intelligence and Big Data in Healthcare Economics.
11. Understand Health Insurance Systems and Risk Pooling Mechanisms.
12. Strengthen competencies in Monitoring, Evaluation, and Healthcare Impact Assessment.
13. Formulate strategic solutions for Healthcare Sustainability and Economic Resilience.

Target Audience

1. Healthcare Administrators and Hospital Managers
2. Public Health Professionals and Policy Makers
3. Health Insurance and Financing Specialists
4. NGO and Development Agency Staff
5. Medical Practitioners and Clinical Leaders
6. Pharmaceutical and Healthcare Industry Professionals
7. Researchers, Economists, and Data Analysts
8. Government Health Officials and Program Coordinators

Course Modules

Module 1: Introduction to Health Economics

- Principles and concepts of health economics
- Healthcare systems and economic structures
- Scarcity, efficiency, and equity in healthcare
- Demand and supply in healthcare markets
- Case Study: Economic reforms in healthcare systems

Module 2: Healthcare Financing Systems

- Sources of healthcare financing
- Public vs private healthcare financing
- Universal Health Coverage (UHC)
- Strategic purchasing and provider payment systems
- Case Study: National health insurance models

Module 3: Cost-Effectiveness Analysis (CEA)

- Economic evaluation methods
- Cost-benefit and cost-utility analysis
- Incremental cost-effectiveness ratios (ICER)
- Decision-making frameworks
- Case Study: Vaccine economic evaluation

Module 4: Health Policy and Governance

- Health policy formulation
- Regulatory frameworks and governance
- Policy implementation strategies
- Healthcare reforms and sustainability
- Case Study: Health policy transformation initiatives

Module 5: Health Technology Assessment (HTA)

- Introduction to HTA methodologies
- Digital health technologies
- AI and machine learning applications
- Medical innovation assessment
- Case Study: Telemedicine implementation economics

Module 6: Pharmaceutical Economics

- Drug pricing mechanisms
- Pharmaceutical market analysis
- Generic vs branded medicines
- Access to essential medicines
- Case Study: Pricing strategies in pharmaceutical markets

Module 7: Healthcare Budgeting and Financial Management

- Healthcare budgeting techniques

- Financial forecasting and planning
- Resource mobilization strategies
- Healthcare expenditure tracking
- Case Study: Hospital budget optimization

Module 8: Health Insurance and Risk Management

- Principles of health insurance
- Risk pooling and actuarial concepts
- Claims management systems
- Insurance reimbursement models
- Case Study: Community-based health insurance

Module 9: Healthcare Data Analytics

- Health informatics and analytics
- Data-driven healthcare decisions
- Big data in healthcare economics
- Predictive analytics and dashboards
- Case Study: Data analytics in epidemic response

Module 10: Epidemiology and Economic Burden of Disease

- Disease burden measurement
- DALYs and QALYs analysis
- Economic impact of epidemics
- Prevention vs treatment economics
- Case Study: Economic burden of non-communicable diseases

Module 11: Healthcare Market Dynamics

- Competition in healthcare markets
- Provider behavior and incentives
- Consumer healthcare choices
- Healthcare innovation ecosystems
- Case Study: Private healthcare market growth

Module 12: Public-Private Partnerships in Healthcare

- PPP models and frameworks
- Healthcare infrastructure financing
- Stakeholder engagement strategies
- Investment and sustainability models
- Case Study: PPP hospitals and healthcare delivery

Module 13: Monitoring and Evaluation in Health Programs

- Key performance indicators (KPIs)
- Impact evaluation methodologies
- Results-based management
- Healthcare performance measurement
- Case Study: Evaluation of donor-funded health programs

Module 14: Global Health Economics Trends

- Global healthcare financing trends
- Climate change and health economics
- Pandemic preparedness economics
- Sustainable healthcare systems
- Case Study: COVID-19 economic recovery strategies

Module 15: Strategic Leadership in Health Economics

- Leadership and strategic management
- Change management in healthcare
- Innovation and transformation strategies
- Ethical decision-making in healthcare
- Case Study: Healthcare leadership transformation success stories

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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