

Technical Diploma in Research Methods and Analysis

Description

The Technical Diploma in Research Methods and Analysis is a comprehensive three-month program designed to equip participants with the knowledge and practical competencies required to design, conduct, analyze, and communicate high-quality research in public health, clinical, and social science contexts.

The diploma integrates foundational and advanced training in epidemiology, research methodology, biostatistics, and statistical analysis using IBM SPSS. By the end of the program, participants are prepared to critically appraise evidence, develop robust research protocols, and produce scientific outputs that support evidence-based decision-making.

Objectives

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

- Apply fundamental and advanced epidemiologic and biostatistical concepts.
- Develop research questions, hypotheses, and study protocols for diverse study designs.
- Design and justify research methodologies, including sampling, data collection, and analysis plans.
- Manage, clean, and analyze quantitative data using IBM SPSS.
- Interpret and present research findings accurately and effectively.
- Prepare high-quality scientific manuscripts and reports.
- Apply ethical principles throughout research design, implementation, and publication.

Program Details

Duration: 3 Months | **Language:** English | **Fees:** \$375 USD

Key Features

Certificate

Technical Diploma

Duration

3 Months

Training Hours

180

Language

English

Type

Practice-Oriented
Diploma

Modality

Fully Online | Self-paced

Fee

375 USD

Program Structure

The diploma consists of five integrated courses

Basics of
Epidemiology

Research Methods
and Writing

Advanced Research
Methods

Basics of
Biostatistics

Statistical Analysis
using IBM SPSS

Each course builds progressively to strengthen participants' analytical, methodological, and scientific communication skills.

Target Audience

The diploma is ideal for:



Public health professionals
and researchers



Clinicians and health program
managers conducting operational
or implementation research



Graduates of medical, health,
behavioral, or social sciences



Policy and planning staff in
ministries, NGOs, and international
health agencies



Monitoring, evaluation, and
research officers

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