Magna Skills
Development Institute

Corporate Training Courses
Virtual Online Classes
Conferences & Webinars
Academic Tours

Venues: South Africa, Rwanda, Kenya, Dubai, Uganda, Ghana, Zambia, Zimbabwe, Mauritius, Tanzania
Tel: +27 63 007 9022 | +250 722 99 0657
Email: info@magnaskills.com
Web: www.magnaskills.com

Data Analysis Using Epi-Info Course Details

Department: NGO Management & Policy Development

Presented by Magna Skills Development Institute

Date Created: 15-May-2025

Training Coordinator: Denis Wunganayi

Course Summary

The Data Analysis Using Epi-Info course offered by Magna Skills is designed to provide participants with practical training in using Epi-Info software for epidemiological data analysis. Epi-Info is a free software package developed by the Centers for Disease Control and Prevention (CDC) for public health professionals to conduct data entry, management, and analysis. This course covers essential concepts, techniques, and tools for data analysis, including data entry, cleaning, manipulation, visualization, and interpretation using Epi-Info.

Course Objectives

1. **Introduction to Epi-Info Software:** Familiarize participants with the features, functions, and interface of Epi-Info software for data analysis.
2. **Data Entry and Management:** Learn how to create data entry forms, import data from various sources, and manage datasets efficiently within Epi-Info.
3. **Data Cleaning and Quality Assurance:** Develop skills in identifying and resolving data entry errors, inconsistencies, and missing values to ensure data quality and integrity.
4. **Descriptive Statistics and Data Visualization:** Understand how to generate descriptive statistics, frequency distributions, and summary tables, and create graphs and charts to visualize data trends and patterns.
5. **Analytical Techniques:** Explore advanced analytical techniques supported by Epi-Info, including cross-tabulation, chi-square tests, logistic regression, and survival analysis.

Course Outline

Module 1: Introduction to Epi-Info Software

- Overview of Epi-Info software features and capabilities
- Installation and setup of Epi-Info on Windows operating system

Module 2: Data Entry and Management

- Creating data entry forms using Form Designer
- Importing data from Excel, CSV, and other formats into Epi-Info

Module 3: Data Cleaning and Quality Assurance

- Identifying and correcting data entry errors and inconsistencies

- Performing data validation checks and data cleaning procedures

Module 4: Descriptive Statistics and Data Visualization

- Generating descriptive statistics, frequency distributions, and summary measures
- Creating graphs, charts, and tables to visualize data distributions and trends

Module 5: Analytical Techniques

- Conducting basic statistical analyses, including cross-tabulation and chi-square tests
- Introduction to advanced analytical techniques supported by Epi-Info, such as logistic regression and survival analysis

Module 6: Case Studies and Practical Exercises

- Applying Epi-Info software to real-world data analysis tasks and scenarios
- Hands-on exercises and case studies to reinforce learning and practice skills

Module 7: Data Interpretation and Reporting

- Interpreting analytical results and drawing conclusions from data analysis
- Communicating findings effectively through reports, presentations, and data summaries

Module 8: Quality Assurance and Best Practices

- Implementing quality assurance measures and best practices in epidemiological data analysis
- Documentation, version control, and data security considerations

Module 9: Advanced Topics in Epi-Info

- Exploring additional features and functionalities of Epi-Info for specialized analyses
- Customization options, scripting, and integration with other software tools

Module 10: Future Trends and Emerging Technologies

- Overview of emerging trends and technologies in epidemiological data analysis
- Opportunities and challenges in leveraging new tools and techniques for public health research and surveillance

The Data Analysis Using Epi-Info course equips participants with the knowledge and skills needed to conduct epidemiological data analysis effectively using Epi-Info software. Through a combination of theoretical learning, practical exercises, and case studies, participants will gain hands-on experience in data entry, cleaning, analysis, visualization, interpretation, and reporting,

enabling them to contribute to evidence-based decision-making and public health research initiatives.

Company Overview

Who We Are: Magna Skills is a premier training and capacity-building organization specializing in professional development for government institutions, NGOs, and the private sector.

Our Mission: To provide world-class training solutions that equip professionals with the expertise needed to excel in their careers and contribute meaningfully to their organizations.

Our Vision: To be the leading provider of professional training and development across Africa, fostering excellence, innovation, and capacity-building in public and private sectors.

Core Values

- **Excellence** – Delivering high-quality training tailored to meet the evolving needs of professionals.
- **Integrity** – Upholding the highest ethical standards in all our engagements.
- **Innovation** – Embracing new technologies and methodologies to enhance learning experiences.
- **Customer-Centric Approach** – Ensuring client satisfaction by providing relevant, practical, and impactful training.
- **Collaboration** – Partnering with industry experts and institutions to provide the best learning opportunities.

Our Training Methodology

We use a blended learning approach that includes instructor-led training, case studies, workshops, and post-training support.

Why Choose Magna Skills?

- Experienced Trainers
- Customized Training Solutions

- Interactive Learning
- Global Recognition
- Proven Track Record

Request for Training Form

Complete the form and share with Magna Skills Support Team on email info@magnaskills.com or Send Whatsapp on: +27630079022

Approval & Authorization	
Applicant Details	**Course Details**
First Name:	Course Name:
Last Name:	Training Venue:
Mobile:	Month:
Email:	Training Method: Onine[_____] Face to Face [____]
Company Name:	Duration:
Country:	Number of Staff Members:

By signing this agreement, both parties confirm their commitment to the terms outlined in this proposal.