## BACKGROUND

Research entails a systematic process of collecting, documenting, and analyzing data to make timely, well-informed decisions. Keeping abreast of research advancements necessitates proficiency in modern data analysis tools. To address this need, a capacity Building workshop on "Data Analysis in Public Health" is conducted to explore essential data analysis concepts and their practical application in decision-making within the public health domain.

## OBJECTIVE

To introduce the participants to fundamental concepts of statistical data analysis along with hands-on training

## TECHNICAL AREAS

- Data Types and Scales of Measurement
- Data Visualization
- Basics of Statistics
- Concepts of Study Designs
- Sample Size
- Parametric and Non-Parametric tests
- Linear and Logistic Regression
- Overview of EPI-Info Software
- Fundamentals of Bio-statistics using EPI-Info
- Data Management and Analysis using EPI-Info

## Capacity Building Training-Workshop on Data Analysis in Public Health: The Techniques and Tools

### 22 - 25 August 2023

### ICMR - National Institute of Epidemiology, Chennai

ICMR-NIE is a premier research institute of the Indian Council of Medical Research. Its primary goals include conducting epidemiological studies and capacity building in epidemiology and statistics. The institute offers various educational programs such as Masters in Public Health and Health Systems, MSc in Biostatistics, and Field Epidemiology Training Programs. Additionally, it organizes various online and offline courses and workshops covering topics on Health Research, Statistics, GIS in Public Health, and Science Writing.

Elangovan Arumugam

044-26136360

niegis@gmail.com

www.nie.gov.in

R-127, Second Main Road, TNHB, Ayapakkam, Chennai -600077

Register at https://icmrnie.in/redcap/surveys/?s=K9A39N4RWE

## EXPECTED LEARNING OUTCOMES

- Predict outcomes
- Increase the effectiveness of treatments
- Plan public health programs and evaluate their success
- Enhance public health strategy
- Disseminate knowledge

## WHO CAN ATTEND?

Researchers/Scientists/Principle Investigators in Public Health Research
Staff handling large public health datasets, including that of HIV/AIDS
Age not exceeding 45 years

## WHAT TO EXPECT?

Classroom technical sessions' followed by 'hands-on training' using Epi-Info.
All the participants are encouraged to bring their laptops and datasets for practical training and guidance.
TA/DA & Accommodation will be supported by the organizers

SCAN to Register