



### About the Institute

The NIHFW, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an ‘apex technical institute’ as well as a ‘think tank’ for the promotion of health and family welfare programs in the country. The post-graduate education, training, research, evaluation, consultancy and advisory services in the field of health and family welfare have been a major focus of the institute. In order to facilitate continuous up-gradation of knowledge and skills of various health personnel across the country, the NIHFW has been conducting training courses in different areas at regular interval. In this endeavour, the Department of Statistics & Demography, NIHFW proposes to conduct a online/offline training program on ‘Statistical Analysis using EPI-INFO Software’ from November 22<sup>nd</sup> –24<sup>th</sup>, 2021.

### Course Coordinating Team

Course Coordinator : Prof. Pushpanjali Swain  
Course Co-Coordinators : Mr. Parimal Parya  
Dr. D.K.Yadav  
Course Associate : Mr. Subhash Chand

### Course Fee

There is a course fee of Rs. 1000/- per participant which can be paid by only online banking. The bank details is

Name of the beneficiary: Director NIHFW  
Bank Name& Branch : SBI, NIHFW, Munirka,  
New Delhi  
Account No. : 10932790787  
IFSC Code No. : SBIN0010439  
MICR Code No. : 110002429

### Further Correspondence to be addressed

Dr. Pushpanjali Swain  
Course Coordinator  
(Professor and Head)

Department of Statistics & Demography  
The National Institute of Health and Family  
Welfare, Munirka, New Delhi-110067

Email: [sd@nihfw.org](mailto:sd@nihfw.org)

Phone : 26165959/26166441/  
26188485/26107773

Fax : 91-11-26101623

Web Site : [www.nihfw.org](http://www.nihfw.org)

Phones: 011-26165959 (Extn.-379)

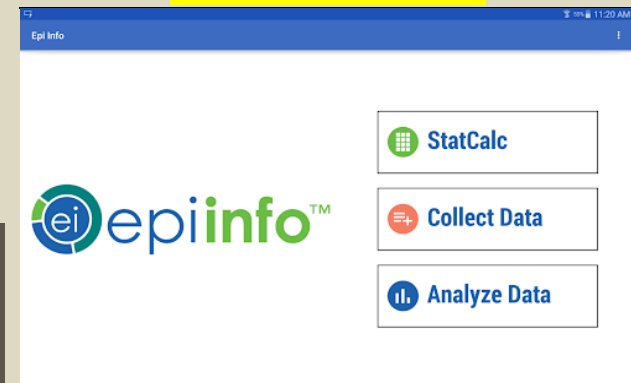
Fax: 91-11-2610 1623, Web Site: [www.nihfw.org](http://www.nihfw.org)

Online Training Course

on

Statistical Analysis using EPI-INFO Software

November 22<sup>nd</sup> - 24<sup>th</sup>, 2021



Department of Statistics & Demography  
The National Institute of Health & Family Welfare  
Baba Gang Nath Marg, Munirka  
New Delhi- 110 067

## Introduction

The Department of Statistics and Demography has been conducting the training programme on Demography and Statistics methods to the health professionals including faculty of medical colleges. Over the years the feedbacks given by them indicate that there is a need for conducting a training programme with a special focus on statistical methods and analysis by using standard free statistical software. Epi Info is used for rapid questionnaire design, data entry and validation, data analysis including maps and graphs, and creation of reports. The software Epi-info are available freely and useful for basic statistical analysis which is base for decision making for program and planning purpose. The tools of the Epi-info or any free software are user friendly; require the knowledge of Microsoft access for data management. Import and export functions exist that allow for data to be converted between plain-text, CSV, Microsoft Excel, Microsoft Access, MySQL, Microsoft SQL Server, and other formats. Many advanced statistical routines are provided, such as t-tests, ANOVA, nonparametric statistics, cross tabulations and stratification with estimates of odds ratios, risk ratios, and risk differences, logistic regression (conditional and unconditional), survival analysis (Kaplan Meier and Cox proportional hazard), and analysis of complex survey data.

## General Objective

To orient and develop skill in use of Epi-info software for data analysis of survey data.

## Specific Objectives

At the end of the training course, the participants would be able :

1. To introduce the steps of prepare questionnaires
2. To prepare the coding plan and create data set
3. To describe the nature of variables
4. To introduce the steps of data analysis
5. To describe the application of the statistical tools of software in data analysis

## Course Contents

The course intends to cover topics such as:

- Introduction to data analysis
- Basic features of software
- Preparation of data set using software, Measurement scale of variables
- Data management
- Data analysis
- Testing of hypothesis
- Correlation and regression analysis
- Modification of outputs and exporting to different formats

## Methodology

The methodology of the course will comprise of:

- Online lecture
- participatory discussion
- Group activities
- Demonstrations
- Participants Presentation
- Problem solving (exercises and data analysis sessions using Epi-Info software).

## Duration

Three days, Date: 22<sup>nd</sup> to 24<sup>th</sup> November, 2021.

## Nature of Participants

Faculties, Residents, Students of Medical Colleges, Nursing Colleges, SIHFW and Demographers, Statistical officers, Epidemiologist from Govt. and Pvt. organisation are eligible to apply.

## Last date for Receiving Nomination

12<sup>th</sup> November, 2021

## Venue

Through online/offline mode by the National Institute of Health and Family Welfare.