



### 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 endeavor, the Department of Statistics & Demography, NIHFW proposes to conduct a training program on ‘Data Analysis using Statistical Software for Health Professionals’ from 20<sup>th</sup> – 23<sup>th</sup> November, 2023.

### Course Coordinating Team

Course Coordinator : Prof. Pushpanjali Swain  
Course Co-Coordinator: Dr. D.K.Yadav  
Course Associates : Mr. Subhash Chand  
Dr. Raj Narayan

### Course Fee & Registration Process

There is a course fee of Rs. 5000/- per participant which can be paid by only online banking.

Eligible candidates send their nominations on the E-mail: sd@nihfw.org. Required registration fee will be paid by the participants after receiving confirmation by the organizers.

TA/DA of the participants will have to be borne by themselves/ state/ sponsoring organizations.

### Further Correspondence to be addressed

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## Training Course on DATA ANALYSIS USING STATISTICAL SOFTWARE FOR HEALTH PROFESSIONALS

20<sup>th</sup> – 23<sup>th</sup> November, 2023



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 Demographic and Statistics methods for the health professionals including faculty of medical colleges. Over the years the feedback given by them indicates that there is a need for conducting a training programme with a special focus on statistical methods and analysis by using standard statistical software such as Epi-Info/R/SPSS etc.

The Statistical Package for Social Sciences (SPSS) is user friendly and widely used by academicians, researchers and students to analyse the data of research studies/Surveys/Evaluations etc. Therefore, training course on data analysis using standard Statistical Packages for Health and Demographic research is being organised for professionals engaged in research and analysis of health and demographic studies.

## General Objective

To orient the participants on data analysis and develop their skills in use of statistical software such as SPSS for health and demographic research.

## Specific Objectives

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

1. To prepare the coding plan and create data set
2. To describe the nature of variables
3. To use the SPSS software for their data analysis

## Course Contents

The course intends to cover topics such as: -

- Basics of data analysis
- Descriptive statistics
- Basic features of SPSS software
- Preparation of Data set using SPSS software
- Measurement scale of variables
- Data management using SPSS software
- Data analysis using SPSS software
- Testing of hypothesis using SPSS software
- Regression analysis using SPSS software

## Methodology

The methodology of the course will comprise of:

- Lecture
- Participatory discussion
- Hands on SPSS software
- Problem solving (exercises and data analysis using SPSS software).

## Duration

Four days, Date: 20<sup>th</sup> –23<sup>th</sup> November, 2023

## Nature of Participants

Faculties, Residents from Medical Colleges, Nursing Colleges, SIHFW and Demographers, Statistical officers, Epidemiologist, Research scholars from Govt. and Pvt. organisation from anywhere in India are eligible to apply.

## Last date for Receiving Nomination

10<sup>th</sup> November, 2023

## Venue

Computer Centre, The National Institute of Health and Family Welfare, Munirka, New Delhi-110067.