



### 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 online training program on 'Data Analysis using Statistical Software for Health and Demographic Research' from October 5th –9th, 2020.

### Course Coordinating Team

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

### Course Fee

There is a course fee of Rs. 5000/- 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

E.mail:

sd@nihfw.org

Phone : 26165959/26166441/  
26188485/26107773

Fax : 91-11-26101623

Web Site :www.nihfw.org

Phones: 011-2619 5319 (Direct): 26165959  
(Extn.-379)

Fax: 91-11-2610 1623, Web Site: www.nihfw.org

### Online Training Course on DATA ANALYSIS USING STATISTICAL SOFTWARE FOR HEALTH AND DEMOGRAPHIC RESEARCH

**October 5 - 9, 2020 (2.0PM-5.0PM)**



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/STATA/SPSS etc. All the software except Epi-info is commercial and chargeable. The software Epi-info is available freely and useful for basic statistical analysis, not for advance level analysis. The tools of the Epi-info or any free software are not user friendly; require the knowledge of Microsoft access for data management. The Statistical software Packages for Social Sciences (SPSS) is user friendly and vastly 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 for health and demographic research.

## Specific Objectives

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

1. To prepare the coding plan and create data set
2. To describe the nature of variables
3. To describe the applications of the statistical software in data analysis

## Course Contents

The course intends to cover topics such as:-

- Introduction of data analysis
- Basic features of statistical software
- Preparation of Data set using software, measurement scale of variables
- Data management
- Data analysis
- Testing of hypothesis
- Correlation and regression analysis

## Methodology

The methodology of the course will comprise of:

- Online lecture
- participatory discussion
- Group activities
- Demonstrations
- Participants Presentation
- Problem centered and practical exercises
- Hands-on training and problem solving (exercises and data analysis using various software).

## Duration

Five days, Date: 5<sup>th</sup> to 9<sup>th</sup> October, 2020

## Nature of Participants

Faculty from Govt. Medical Colleges, Nursing Colleges, SIHFW, CBHI Field Survey Units, State Demographers, Statistical officers. Data analysts, District Epidemiologist and Statisticians from Govt. organisation are eligible to apply.

## Last date for Receiving Nomination

21<sup>st</sup> September, 2020

## Venue

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