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<th>Workshop Title</th>
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<td>Jun 12-16, 2023</td>
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<td>Online Workshop on 'A primer on Maternal, Infant, Young Child and Adolescent Health Nutrition'</td>
<td>Jul 03-05, 2023</td>
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<td>Strengthening of Routine Health Information Systems (RHIS)</td>
<td>Jul 24-28, 2023</td>
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<td>Project Management of Health Programs</td>
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<td>Online workshop on 'Economic Evaluation of Health Care Programs'</td>
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www.phfi.org
Testimonials by workshop participants

"Really loved this workshop! Excellent quality of teaching by all the teachers. Looking forward to attend more in future"
- Participant of Online Workshop on “Data Visualization in R for Public Health Professionals” (Sep 06-09, 2022)

"Over all the session was very informative and serves the purpose giving me insight into the quantitative analysis in healthcare research. Really appreciate and thank the team for their time and knowledge sharing. I shall also like to thank for organising it so well. Shall be looking forward for other training programmes"
- Participant of Online Workshop on "Designing, Analysis and Interpretation of Quantitative Health Research" (Nov 30 - Dec 02, 2022)

"It was really wonderful sensitization workshop for me on understanding the adolescent health and programs relating to it"
- Participant of Online workshop on “Approaches for Implementing Adolescent Health Programs” (Mar 21-23, 2023)

"Utilizing Stata for analysis and data management will make the process a lot more efficient and time saving"
- Participant of in-person workshop on “Basic Statistical Analysis using Stata” (Mar 20-24, 2023)

"It was overall an excellent experience with IIPH-Delhi for this training, many new things I am taking home from here. Research gaps in current Ayurveda Scenario will be more evident from conducting SRMA in future"
- Participant of in-person workshop on “Systematic Reviews in Meta-analysis using RevMan” (Mar 13-17, 2023)

"Overall felt it was a useful training and gave me lot of exposure to different methodologies of quasi experimental and RCT methods”
- Participant of Online workshop on "Impact Evaluation: Public Programs in Health" (Mar 20-24, 2023)

"I hope I can use this knowledge in my final year MD exams and also on my journey ahead as I am interested in OR and applying it further”
- Participant of online workshop on "Operational Research in public Health" (Mar 27-29, 2023)
Data visualization is the representation of information embedded in the data, in the graphical forms. It is one of the most impactful ways to communicate the story hidden behind the complex data. In the world of Big Data, data visualization as a tool provides an accessible way to understand the patterns, highlighting the trends and outliers in the data. In this workshop, writing Python codes to visualize data using charts, graphs and maps will be taught. Using programming language, one has the power to automate the process of creating charts, graphs and maps. This helps in creating similar graphs etc. with different datasets using same Python codes. In this workshop, through lectures and hands-on exercise with health-related dataset, you will explore and learn how to choose best visualization for your dataset and how to interpret it.

This workshop is suitable for anyone who wants to upgrade their skill of data visualization and learn basic to intermediate coding in Python. This online workshop will be facilitated through CISCO WebEx on IIPH-Delhi platform, therefore, it requires stable internet connection and strong bandwidth to attend the sessions.

**Contents:**
- Introduction to Python
- Installing Python and familiarizing Python Environment, Libraries for Data Visualization
- Strength and limitation of Data Visualization libraries viz., Matplotlib, Pandas, Seaborn
- Writing Python Code for Data Visualization – Scatter, Line and Bar plot, Histogram, Box plot, Heat Map, Tree Map, Faceting etc.
- Assignment and Hand-on training of writing Python code to create graphs
- Statistical Analysis of Big Data

**Course Fee:**
- **Indian Participant:** 9000 INR per participant
- **International Participant:** 18000 INR per participant

**Course Coordinator:**
Dr. Surabhi Pandey
Associate Professor
E-mail: surabhi.pandey@phfi.org

The nutrition is in the crossroads of all the sectors: health, agriculture, transport, etc. Nutrition is an input into development. Nutrition has always been considered critical for human and economic development and its neglect would adversely have the impact on health, cognitive development of children, productivity of the people, economic growth of the country and pace of national development. Public Health Nutrition (PHN) is recognized as an educational discipline with the potential to train candidates to not only address nutritional issues but also work in sync with other stakeholders/departments/organizations towards ensuring better health for the masses.

The proposed three programmes day training programme is a basic level course aims to provide basic understanding of pertinent nutritional issues and related policies and programmes strategies.

This workshop is suitable for early and mid-career professional working in public health and nutrition fields, medical, nursing and allied health professionals. This online workshop will be facilitated through CISCO WebEx on IIPH-Delhi platform, therefore, it requires stable internet connection and strong bandwidth to attend the sessions.

**Contents:**
- Introduction to public health nutrition
- Nutrition status and its determinants-global and LMIC context
- Nutrition during life course
- Programs and policies
- Introduction to nutrition epidemiology and research methods

**Course Fee:**
- **Indian Participant:** 3900 INR per participant
- **International Participant:** 7800 INR per participant

**Course Coordinator:**
Dr. Jyoti Sharma
Additional Professor
E-mail: jyoti@iiphd.org
One of the six building blocks of health systems is a sound and reliable health information system (HIS). Key attributes of the health information system are not only generation of reliable data but also critical utilization of this data for decision-making. Many health-related programs often fail to reach optimal success because they fall short of efficient use of data to inform decisions. There is limited evidence to suggest that effective use of RHIS leads to better value of the data generated by the health workers, improvement in the quality of health care and in providing support to program planning, implementation and decision making.

Despite several initiatives and numerous health information systems, overall data utilization in health sectors in India has been found to be very low. This inadequacy, in the long term, can affect the motivation of the health professionals which has a critical influence on the performance of the program. Data analysis skills have shown to be strongly related to data use. This is an opportune moment to invest in RHIS given the momentum surrounding the SDGs. Given this context, we propose a capacity building workshop for healthcare professionals that not only provides a basic orientation of the concepts and principles of RHIS, but also generates an interest to motivate the use of data for operational and strategic decision making.

Course Fee:
- Indian Participant: 10000 INR per participant
- International Participant: 20000 INR per participant

Course Coordinator:
Dr Preeti Negandhi
Additional Professor
E-mail: preeti.negandhi@iiphd.org

This workshop would cover key issues in project management and go through each part of the Project Cycle Management. This workshop aims to provide participants with certain tools of project management that would enable managers to use/assess and respond to issues in their own workplaces. The training would use adult learning methods including case-studies and practice sessions.

At the end of the workshop the participants are expected to be capable of designing a robust health project with a focus on final results, identify various project management activities and use relevant tools for efficient functioning.
Policy makers and managers have to constantly look for evidences to base and back up their decisions with. These evidences come from various forms of Research conducted at different levels. Economic Evaluations provide valuable evidence on the Economic aspects of Public Health Programs. This workshop would provide an overview at the various forms of Economic Evaluations and their usage while dealing in great details with one specific form – Cost Effectiveness Analysis. The participants would conduct a CE analysis during the course using a Case study and have hands on experience of working on a Decision Analysis Software.

At the end of this workshop participants should be able to: understand the various forms of Economic Evaluations and their usage, get a detailed understanding and practice of Cost Effectiveness Analysis, identify various areas in their own workplaces that may benefit form economic evaluations, initiate independent studies using basic economic modelling. This online workshop will be facilitated through CISCO WebEx on IIPH-Delhi platform, therefore, it requires stable internet connection and strong bandwidth to attend the sessions.

Contents:
- Need for Economic Evaluations
- Types of Economic Evaluations
- Decision Analysis using computer software
  - Cost Effectiveness Evaluation
  - Methods
  - Data requirements
  - How to conduct a CE analysis
  - Interpretation of results
- Cost Effectiveness and decision making

Course Fee:
- Indian Participant: 7200 INR per participant
- International Participant: 14400 INR per participant

Course Coordinator:
Mr. Shomik Ray
Associate Professor
E-mail: shomik.ray@iiphd.org

Interrupted Time Series (ITS) Analysis - Quasi Experimental Research Design
September 19-22, 2023

Interrupted Time Series (ITS) analysis is widely recognised as the strongest quasi experiment research design. This workshop aims to acquaint the participants with the statistical method employed to estimate the effect of interventions including policy interventions where longitudinal data is available. Apart from learning the concept and application of ITS analysis, the workshop participants will learn how such analysis can be run on the statistical software STATA with the help of hand on exercise using real world data.

This workshop would be useful to Post graduate students and researchers interested in impact assessment of public policies including but not limited to the field of public health, education and environment would benefit from this workshop as will people working with industries which routinely collect and analyse longitudinal data.

Contents:
- Introduction to time series analysis
- Quasi experimental research designs
- Interrupted Time Series (ITS) - study design and analysis
- Working with real world data
- Running analysis on Stata
- Interpreting the results

Course Fee:
- Indian Participant: 10000 INR per participant
- International Participant: 20000 INR per participant

Course Coordinator:
Dr. Aashna Mehta
Assistant Professor
E-mail: aashna.mehta@phfi.org
Data visualization is the representation of information embedded in the data, in the graphical forms. It is one of the most impactful way to communicate the story hidden behind the complex data. In the world of Big Data, data visualization as a tool provides an accessible way to understand the patterns, highlighting the trends and outliers in the data. In this workshop, writing R codes to visualize data using charts, graphs and maps will be taught. Using programming language, one has the power to automate the process of creating charts, graphs and maps. This helps in creating similar graphs etc. with different datasets using same R codes. In this workshop, through lectures and hands-on exercise with health-related dataset, you will explore and learn how to choose best visualization for your dataset and how to interpret it.

This workshop is suitable for anyone who wants to upgrade their skill of data visualization and learn basic to intermediate coding in R. This online workshop will be facilitated through CISCO WebEx on IIPH-Delhi platform, therefore, it requires stable internet connection and strong bandwidth to attend the sessions.

Contents:
- Introduction to R
- Installing R and familiarizing R Environment, Libraries for Data Visualization
- Strength and limitation of Data Visualization libraries viz., Matplotlib, Pandas, Seaborn
- Writing R Code for Data Visualization – Scatter, Line and Bar plot, Histogram, Box plot, Heat Map, Tree Map, Faceting etc.
- Assignment and Hand-on training of writing R code to create graphs
- Statistical Analysis of Big Data

Course Fee:
Indian Participant: 9000 INR per participant
International Participant: 18000 INR per participant

Course Coordinator:
Dr. Surabhi Pandey
Associate Professor
E-mail: surabhi.pandey@phfi.org
Basic Statistical Analysis using SPSS  
December 11-15, 2023 (Monday-Friday)

Statistics plays an essential part at all stages of a research study in almost all disciplines, from planning, through conduct and to the final analysis. A researcher needs basic knowledge and understanding of statistical concepts to communicate with a statistician. With the introduction of statistical packages, by and large computing is done using computers and not manually, hence quantitative analysis of the data is often attempted by most researchers who are familiar with their research objectives and the data. This workshop proposes to cover basic statistical concepts required for understanding study results along with hands on experience of doing basic analysis using the statistical software SPSS (IBM SPSS Statistics 22). This workshop will help new users achieve a basic understanding of how to use SPSS for basic statistical analysis; as well as aid those who wish to further their skills in using SPSS.

Contents:
- Introduction to SPSS
  - Data entry
  - Data management
- Summarizing data
  - Numerically
  - Graphically
- Inferential statistics
  - Hypothesis testing
  - Parametric and non-parametric tests
- Adjusted analysis
  - Linear regression
  - Introduction to logistic regression

Course Fee:
Indian Participant: 12500 INR per participant
International Participant: 25000 INR per participant

Course Coordinator:
Dr. Ranjana Singh
Associate Professor
E-mail: ranjana.singh@iiphd.org

Introduction to Infectious Disease Modelling  
February 05-09, 2024 (Monday-Friday)

This workshop is useful for individuals who are interested in understanding infectious disease spread and control on the population level from a dyna systems and modelling perspective. This workshop will introduce epidemiological and mathematical concepts underlying infectious disease modelling.

Contents:
- History of Mathematical Modelling (w.r.t Infectious Disease)
- Different Modelling Approaches
- Compartmental Models
- Interacting Population Model (SIR)
- Mortality Due to Infection/Disease
- Fatal Infections (SI Models)
- Infection/Disease without Immunity (SIS model)
- Formulating Models for different diseases such as Bacterial, Vector-borne, carrier dependent etc.
- Simulating SIR model in Excel
- Stimulating compartmental model in R (if participants are aware of programming in R)

Course Fee:
Indian Participant: 10000 INR per participant
International Participant: 20000 INR per participant

Course Coordinator:
Dr. Surabhi Pandey
Associate Professor
E-mail: surabhi.pandey@phfi.org

Last date of registration is November 27, 2023

Last date of registration is January 22, 2024
Monitoring and Evaluation (M&E) is the process by which data are collected and analysed in order to provide information to policy makers and others for use in program planning and project management. M&E is important because it helps program implementers make informed decisions regarding program operations and service delivery based on objective evidence. It also ensures the most effective and efficient use of resources, helps determine the success or failure of a program, and assists in meeting organizational requirements. M&E skills are crucial to the successful implementation, design, and tracking of program progress and output of various programs. This workshop offers intensive training that will cover the fundamental concepts and tools for monitoring and evaluation of various health programs.

Last date of registration is February 05, 2024

Contents:
- Introduction to M&E
- Overview of M&E plan
- M&E frameworks
- Indicators
- Data demand and use
- Data Sources and Data Quality
- Program Evaluation
- M&E tools like: PRISM, DQA, DDIU, LQAS etc.

Course Fee:
- Indian Participant: 10000 INR per participant
- International Participant: 20000 INR per participant

Course Coordinator:
Dr. Himanshu Negandhi
Director- Academic Programs, PHFI
E-mail: himanshu.negandhi@phfi.org

Operational Research (OR) or Implementation Research (IR) is the application of systematic research techniques to improve health programs. The purpose of OR is to improve programs and provide information for management decision-making. OR enhances program quality and facilitates efficient resource use. Successful OR is characterized by a close collaboration between public health personnel, program managers and researchers throughout the study. The value of OR is that it provides empirical evidence to support program decisions and thus advance optimal utilization of resources. Through innovative and interactive pedagogic techniques the course will augment the knowledge and skills of the participants in fundamentals of design and conduct of OR. This online workshop will be facilitated through CISCO WebEx on IIPH-Delhi platform, therefore, it requires stable internet connection and strong bandwidth to attend the sessions.

Last date of registration is February 19, 2024

Contents:
- Overview and ingredients of operational research social science research
- Study Designs in OR- descriptive and analytical
- Experimental, quasi and non-experimental study designs
- Validity and reliability in OR
- Sampling approaches and basic analytical tools in OR
- Writing an OR proposal,
- Dissemination of the results of OR

Course Fee:
- Indian Participant: 3900 INR per participant
- International Participant: 7800 INR per participant

Course Coordinator:
Dr. Saurav Basu
Assistant Professor
E-mail: suurav.basu@iiphd.org
Management of Reproductive and Child Health and Nutrition Programs  
March 11-15, 2024 (Monday - Friday)  

Short Course in RCH Program Management is a training course designed to develop understanding about RCH programs and delivery of priority interventions. The aim of the training would be to develop the capacity of participants on managerial aspects of RCH program. The aspects of program management and implementation like planning and development of district annual plan, identifying gaps, stakeholder management and quality assurance will be a part of deliberations. The course is designed for public health professionals working at district and sub-district levels who are responsible to convert the vision for RCH described by the national-level planners in the strategic plan and turn it into action on the ground.

Last date of registration is February 26, 2024

Contents:
- Reproductive and Child Health – Epidemiology and Interventions
  - Maternal and Neonatal health
  - Child health
  - Adolescent Health
  - Identify the key causes that influence reproductive and child health
  - Specify strategies for effective interventions in relation to reproductive and child health
  - Understand the need for a continuum-of-care package within the RCH program
- Reproductive and Child Health – Planning Implementation
  - Concept of health planning process
  - Identify strengths and weakness of program
  - Review program goals and objectives Reproductive and Child Health – Managing Implementation
- Manage Implementation
  - Stakeholder management
  - Quality assurance
  - Community mobilization

Course Fee:
Indian Participant: 10000 INR per participant
International Participant: 20000 INR per participant

Course Coordinator:
Dr. Jyoti Sharma
Additional Professor
E-mail: jyoti@iiphd.org

Systematic Reviews and Meta-analysis using RevMan  
March 11-15, 2024 (Monday - Friday)  

Over the years formal methods have been developed for systematically reviewing studies, to produce explicitly formulated, reproducible and up to date summaries of effects of healthcare interventions. This has led to a sharp increase in the number of reviews that use these formal methods. It is therefore essential that students undertaking dissertations on work, practicing clinicians, health researchers and policymakers are familiar with the processes involved in the performance and interpretation of systematic reviews.

At the completion of this workshop, participants will know the steps involved in undertaking and interpreting a systematic review using RevMan; appraise published systematic reviews. The participants are requested to carry their own laptops.

Last date of registration is February 26, 2024

Contents:
- Rationale of systematic reviews
- Locating systematic reviews
- Formulating a systematic review question
- Developing a protocol for a systematic review
- Identifying and selecting trials
- Critical appraisal of trials
- Reducing bias in conduct of systematic reviews
- Synthesis in systematic reviews
- Statistical approaches and software (RevMan 5) for meta-analysis
- Working with RevMan
- Reporting standards of systematic reviews
- Critical appraisal of systematic reviews and meta-analysis

Course Fee:
Indian Participant: 12500 INR per participant
International Participant: 25000 INR per participant

Course Coordinator:
Dr. Himanshu Negandhi
Director - Academic Programs, PHFI
E-mail: himanshu.negandhi@phfi.org
With the evolution of statistical packages, quantitative analysis of the data is restricted not only to statisticians, even non-statisticians have ventured in analysing their own data. This workshop on Stata aims to enable the researcher in managing data, performing basic statistical and epidemiological analysis, turning raw data into effective tables, figures and other research products. This workshop will also empower the researcher to communicate confidently with the scientific community. Participants applying to this workshop do not require prior working knowledge in Stata, however, prior knowledge of basic statistics would be desirable.

Last date of registration is March 04, 2022

Contents:
- Data management using Stata
- Describing qualitative and quantitative data
  - Numerically and graphically
- Univariable analyses
  - For means, proportions and rates
- Analysis of Variance (ANOVA)
- Linear regression
- Introduction to logistic regression

Course Fee:
- Indian Participant: 12500 INR per participant
- International Participant: 25000 INR per participant

Course Coordinator:
Dr. Ranjana Singh
Associate Professor
E-mail: ranjana.singh@iiphd.org

Glimpses of online workshop sessions
Glimpses of in-person workshop sessions
About the Institute

The core mandate of Indian Institute of Public Health- Delhi launched under the aegis of Public Health Foundation of India, is to address the need for trained public health workforce in India that can supplement ongoing efforts to provide services and ensure reach to those most needy. It aims to strengthen the overall health system in country through education, training, research, advocacy and policy initiatives. The strength of the institute lies in the multi-disciplinary faculty trained in specific domains, which enables to have a multidimensional perspective of healthcare. The faculty brief bio-profile can be accessed at www.phfi.org.

Who should attend?

These workshops are ideal for physicians, medical students, clinical researchers, project managers, NGO coordinators, nutritionists, data managers, pharmaceutical scientists, statisticians and program managers working at district, state and national level.

How to register?

Interested participants may apply through the link: http://tof.phfi.org/ and submit the form online or write email at trainings@iiphd.org. The fee will be submitted by E-transfer, and the bank details will be shared upon applying for the workshop.

Course fee as indicated under each workshop includes workshop material and for in-person workshops the fee includes meals and refreshments along with course material. The travel expenses will be borne by the participants, however, the organizers will be able to provide a list of hotels or guest houses nearby the institute upon request. Confirmation will be on first come first serve basis.

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Dr. Surabhi Pandey
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Training Venue:
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Haryana, India
Cellphone: +91 9810829675
Email: trainings@iiphd.org
Website: www.phfi.org

Link to online registration form:
https://phfi.org/iiphd-trainings-workshop/