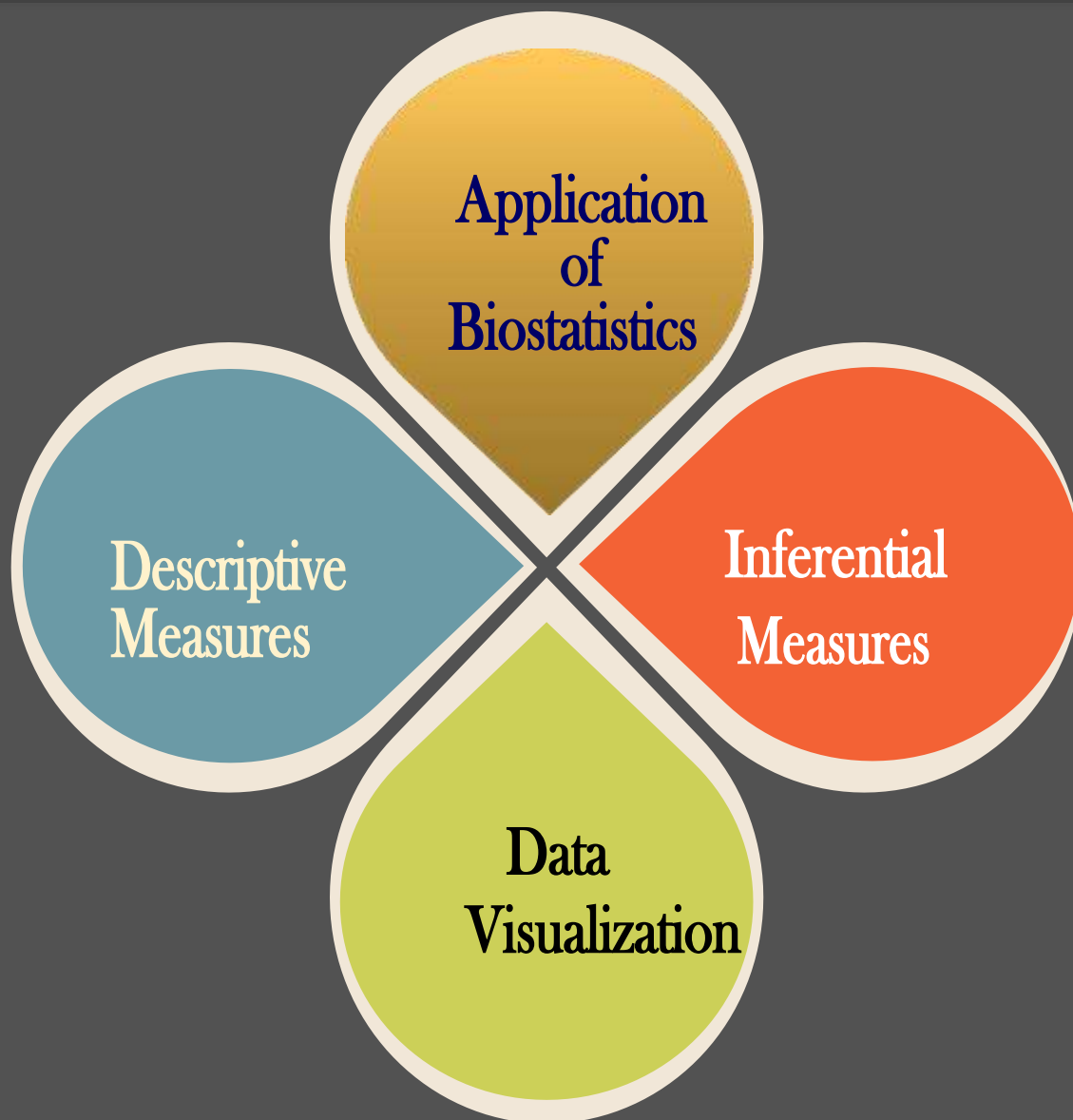


# Three Days Workshop on “Application of Biostatistics in Medical Research”

12-14 June, 2024



Organized  
by

ICMR-National Institute of Research in Tribal Health, Jabalpur  
Dept. of Health Research, Ministry of Health and Family Welfare, Govt. of India

## About Organization (ICMR)

The Indian Council of Medical Research (ICMR) is one of the oldest and largest medical research bodies in the world. Founded in 1911, the ICMR is funded by the Indian government Department of Health Research, Ministry of Health and Family Welfare. The mission of this organization is to promote and conduct biomedical research to address the health challenges facing in India. ICMR plays a crucial role in capacity building by providing training programs, fellowships, and scholarships to scientists, researchers, healthcare professionals, and students in biomedical research and public health. The research findings and recommendations generated by ICMR contribute to evidence-based policy formulation, healthcare planning, and program implementation at the national and state levels.

## About Institute (ICMR-NIRTH, Jabalpur)

The ICMR-National Institute of Research in Tribal Health (ICMR-NIRTH), located in Jabalpur, Madhya Pradesh, is a premier research institute dedicated to addressing the health issues among tribal populations in India. The Institute is committed to conducting high-quality research aimed at improving the health and well-being of tribal communities through scientific inquiry and evidence-based interventions. The institute focuses on various aspects of tribal health, including haemoglobinopathies, malaria, tuberculosis, hypertension, filariasis, fluorosis, dengue, chikungunya, zoonotic diseases and socio-cultural determinants of health. The institute collaborates with national and international organizations, academic institutions, and government agencies to conduct interdisciplinary research, share knowledge, and implement the health programs for tribal communities. NIRTH plays a pivotal role in capacity building by conducting training programs, workshops for researchers, healthcare professionals, and community workers. The research conducted at ICMR-NIRTH contributes to evidence-based policy formulation, program implementation, and healthcare delivery strategies tailored to the unique needs of tribal populations.

## About Workshop

This workshop focuses on equipping participants with the essential tools to effectively analyze the health research data and draw meaningful conclusions. Covering areas such as epidemiology, clinical trials, and public health studies, the workshop provides an interdisciplinary platform for researchers, practitioners, and educators to discuss innovations and practical challenges in biostatistics. Ideal for healthcare professionals seeking to enhance their statistical knowledge, join us to contribute to evidence-based decision-making and improve healthcare outcomes. During the workshop on the application of biostatistics in medical research, participants will gain proficiency in a variety of statistical methods and software tools essential for conducting rigorous data analysis, like understanding and summarizing data, learning hypothesis testing, confidence intervals, and regression, designing research studies, understanding epidemiological study designs, measures of disease frequency, association, and strategies for controlling confounding factors and implementing linear/logistic regression models to assess relationships between variables and make predictions. The participants will be given hands-on training in utilizing essential statistical software's like Excel, SPSS, STATA and R for data analysis and interpretation.

## Objectives of the workshop

- To provide participants a clear understanding of fundamental biostatistical concepts and methods relevant to health research, and theoretical understanding for statistical analysis.
- To equip participants with practical skills in applying biostatistical techniques to analyze medical data sets and enabling them to conduct statistical analyses independently and accurately.
- To educate participants on various study designs commonly used in medical research, including experimental and observational studies.
- To familiarize participants with popular statistical software packages such as Excel, SPSS, Stata, or R and enable them to effectively utilize these tools for data analysis and visualization in medical research settings.

## Resource Persons

- **Dr. R. M. Pandey**, Formerly Professor & Head, Department of Biostatistics, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi-110 029, India.
- **Prof. Aquil Ahmed**, Professor, Department of Statistics & Operations Research, Aligarh Muslim University, Aligarh-202002-India.
- **Prof. Tirupathi Rao Padi**, Professor, Department of Statistics, Ramanujan School of Mathematical Sciences, Pondicherry University, Puducherry-605014, India.
- **Dr. Sukhdev Mishra**, Scientist-D, Department of Biostatistics & Data Management, Division of Health Sciences, ICMR-National Institute of Occupational Health (NIOH), Ahmedabad-380016, Gujarat, India.
- **Dr. Manoj Kumar**, Assistant Professor, Centre for Economic Studies and Planning, School of Social Sciences, Jawaharlal Nehru University. New Mehrauli Road, New Delhi 110067.
- **Dr Gayatri Vishwakarma**, PhD, Principal Scientist, Clinical R &D, Zydus Lifesciences Limited, Ahmedabad- 382210, Gujarat, India.
- **Dr. Ashiq Hussain Bhat**, Scientist-C (Biostatistics), Rajendra Memorial Research Institute of Medical Sciences, Indian Council of Medical Research, Agamkuan, Patna Bihar, India.
- **Dr. Dinesh Kumar**, Scientist-E (Biostatistics), ICMR-National Institute of Research in Tribal Health, Jabalpur- 482003, Madhya Pradesh, India.
- **Dr. Qaiser Farooq Dar**, Scientist-C (Biostatistics), ICMR-National Institute of Research in Tribal Health, Jabalpur- 482003, Madhya Pradesh, India.

## Target Group

The expected audience will include faculties, scientists, residents from medical colleges, nursing colleges, demographers and epidemiologists from Govt. and Pvt. Organization Ph. D. research scholars and postgraduate students. **We kindly request all participants to confirm their travel plans with us before booking the tickets.**

## Pre-requisite

Participants should have a basic understanding of statistical concepts and methods. A passion for learning and an interest in applying statistical methods to medical research are the primary prerequisites. The workshop is limited to 25 participants. selection of participants is based on “First Come First Serve” (FCFS) basis.

## Course level

Medical and Non-medical Scientist / Postdoctoral Researcher/Ph. D Research scholars /Postgraduate.

**Duration: Three Days (12-14 June, 2024)**

Three days workshop includes the theory and practical in 4-6 sessions in a day.

## Venue

The Workshop will be conducted at auditorium ICMR-National Institute of Research in Tribal Health, NIRTH Complex, Nagpur Road P.O. - Garha, Jabalpur - 482 003, Madhya Pradesh, INDIA.

## Workshop Fee

The registration fee is Rs. 2000.00 (Rupees two Thousand only) per person without accommodation which is inclusive of GST rates. It covers the cost of training programme kit containing training materials, breakfast, lunch and dinner during the training period. The payment should be made through Demand Draft in favour of Director ICMR-National Institute of Research in Tribal Health, Jabalpur, A/C No.: 10080130247, IFS Code: SBIN0001445, Branch: SBI, NSCB Medical college, Jabalpur-482003 (Madhya Pradesh) along with filled-in registration form. Fee is non-refundable and non-adjustable.

## Accommodation

The Centre will arrange accommodation during the period of training at ICMR-NIRTH, Jabalpur Guest House (A/C Room) on twin sharing basis. The participants must send prior intimation and charges for accommodation along with registration fees. The accommodation will be provided FCFS on payment basis.

## Registration

The application for registration to the workshop should be submitted online at:

[https://nicforms.nic.in/nicforms\\_designer/nic\\_form\\_selector.php?form\\_id=enRhYmxlNjY0MDZkMjVjM2Y0NjIwMjQwNTE](https://nicforms.nic.in/nicforms_designer/nic_form_selector.php?form_id=enRhYmxlNjY0MDZkMjVjM2Y0NjIwMjQwNTE)

on or before **25<sup>th</sup> May, 2024.**



For further information please contact: Dr. Qaiser Farooq Dar, Scientist-C and organizing secretary.  
Phone No.: +91-8082459281  
Email: workshop.biostatistics@gmail.com

## How to Reach

**Road Routes:** Jabalpur is connected to the capital city of Madhya Pradesh, Bhopal, via National Highway 12 (NH 12). It is also connected to Nagpur in Maharashtra through National Highway 7 (NH 7). Jabalpur is connected Nagpur, Hyderabad, Bengaluru, and Chennai through NH 7. Jabalpur is accessible from cities like Raipur in Chhattisgarh via National Highway 30 (NH 30).

**Air Connectivity:** Nearest Airport is in Jabalpur called as **Dumna Airport** which is just 20 KMs away from ICMR-NIRTH, Jabalpur. Jabalpur is well connected from Hyderabad, Delhi, Indore and Mumbai through air route.

**Rail Connectivity:** The nearest railway stations are Jabalpur railway station (Known as Jabalpur Jn) and Madan Mahal railway stations which are well connected to all metropolitans and other major cities of India. The Jabalpur railway station is located at 12 Km distance from the ICMR-NIRTH, Jabalpur.

Convener	Organizing secretary	Organising Committee
Dr. R. R. Tiwari, Director (Additional Charge), ICMR-NIRTH, Jabalpur.	Dr. Qaiser Farooq Dar Scientist-C ICMR-NIRTH, Jabalpur.	Dr. S. Rajasubramaniam, Scientist-F Dr. Pushpendra Singh, Scientist-E Dr. Rituraj Niranjana, Scientist-D Dr. Suyesh Shrivastava, Scientist-C Dr. Anil Kumar Verma, Scientist-C Dr. Nishant Saxena, Scientist-C Dr. Satyendra Pandey, Scientist-C Dr. Vagisha Rawal, Scientist-C Dr. Harshwardhan V Shende, Scientist-B Dr. Sandeep Kumar, Scientist-B Dr. Ashiq Hussain Bhat, Scientist-C, ICMR-RMRIMS, Patna. Sh. Arvind Kavishwar, (Principal Technical Officer)
Co Convener	Organizing secretary	
Dr. Tapas Chakma, Scientist-G Dr. K. B. Saha, Scientist-G	Dr. Dinesh Kumar, Scientist-E Dr. Ravindra Kumar, Scientist-C	

ICMR-National Institute of Research in Tribal Health, Jabalpur  
Dept. of Health Research, Ministry of Health and Family Welfare, Govt. of India

For more information visit: <https://www.nirth.res.in/>