



**BITS Pilani**  
Pilani Campus

Department of  
Economics and Finance

Five Days' National Workshop on

## FRONTIERS IN HEALTH ECONOMICS: EVIDENCE-BASED RESEARCH FROM LARGE-SCALE SAMPLE SURVEY DATASETS USING STATA AND R STUDIO

Mode: Hybrid (Offline and Online) | September 16 to 20, 2025

Jointly Organized by:

Department of Economics and Finance, BITS Pilani, Pilani Campus  
&  
Indian Health Economics and Policy Association (IHEPA)

**Call for Registration**

### ABOUT THE WORKSHOP

Health economics has emerged as a critical field at the intersection of economics, public health, and policy. It provides the conceptual foundations and empirical tools necessary to analyze how healthcare resources are allocated, how health systems perform, and how public policies can be designed to improve health outcomes equitably and efficiently. As the global health landscape grows increasingly complex, shaped by demographic shifts, rising costs, technological change, and evolving public expectations, the frontiers of health economics offer insights into some of the most pressing challenges of our time. In the Indian context, these questions acquire urgency due to the country's unique demographic and epidemiological transitions, persistent health inequalities, and evolving policy priorities. India faces the dual burden of communicable and non-communicable diseases, alongside regional disparities in health outcomes and access to care. As the country strives toward Universal Health Coverage (UHC) and the Sustainable Development Goals (SDGs), there is a growing imperative to build health systems that are inclusive, efficient, and grounded in robust evidence. While India possesses a wealth of nationally representative data—such as the National Sample Survey (NSS), National Family Health Survey (NFHS), and India Human Development Survey (IHDS) the effective use of these resources in policy making and research remains limited by capacity constraints in both theory and applied methods. To address this gap, the Department of Economics and Finance at BITS Pilani and Indian Health Economics and Policy Association (IHEPA) are pleased to announce a five-day national workshop on Frontiers in Health Economics. This intensive programme is designed for early-career researchers, doctoral students, and policy professionals interested in advancing their understanding of health economics in both theoretical and applied dimensions.

### WORKSHOP OBJECTIVES

This advanced-level workshop aims to provide a comprehensive introduction to contemporary research in health economics, with a specific emphasis on empirical methods and data-driven policy analysis in the Indian context. Participants will be trained to critically engage with the theoretical foundations of health economics while gaining practical expertise in analyzing nationally representative datasets. The workshop will feature a blend of lectures, hands-on data labs, and group discussions. Emphasis will be placed on integrating quantitative analysis with conceptual insight, and on translating empirical findings into meaningful health policy recommendations. The specific objectives are;

- To introduce participants to the core theoretical frameworks and empirical approaches in health economics, including models of health demand, healthcare financing, and health inequality.
- To impart technical proficiency in handling and analyzing large-scale sample survey datasets including the National Sample Survey Office (NSSO), National Family Health Survey (NFHS) etc. using STATA and R.
- To equip participants with advanced econometric tools and modelling strategies relevant to hypothesis testing in health economics research, including techniques such as instrumental variables, panel data methods, treatment effect models, and multilevel modelling.
- To foster methodological rigor in the formulation of research questions and empirical strategies that address critical health issues such as access to healthcare, socioeconomic gradients in health, health expenditures, and demographic transitions.

### TARGET AUDIENCE

- Ph.D. and M.Phil. Scholars Early-Career Researchers, including newly joined faculty members/researchers who have completed their Ph.D. not later than 2022.
- Health Policy Professionals
- Data Analysts working with Indian survey data
- Government Employees working in Health Economics
- Demographers and Public Health researchers
- Faculty members from public and private universities of India
- Medical Researchers working with Health Data Analytics

### TOPICS TO BE COVERED IN THE WORKSHOP

- Foundations of Health Economics and Introduction to Health Data Ecosystem in India
- Ethics in the Health Economic Research
- Understand theoretical Frameworks and Contemporary Debates in Health Economics.
- Application of machine learning models in Health Economics
- Navigate and analyze large-scale Indian health surveys using STATA and R software.
- Health Financing, Catastrophic Health Expenditure (CHE) and Inequality, Health-seeking behavior and Social Determinants
- Health Outcomes, Nutrition, and Child Indicators: Measuring Health Outcomes and Evaluating Nutritional Indicators (NFHS & IHDS Data)
- Estimation of multidimensional poverty index, and other deprivation & improvement indices from the available survey datasets using STATA and R.
- Understand the application of econometric models such as binary response models, Logit, Probit, Tobit models, DiD, Concentration curve, and inequality measures etc. to test various research hypotheses in health economics.

### RESOURCE PERSONS

- Prof. Udaya S. Mishra- IIPS, Mumbai, IHEPA President
- Prof. Subrata Mukherjee – Mumbai School of Economics & Public Policy, Mumbai
- Prof. Md. Zakaria Siddiqui- Jamia Millia Islamia University, New Delhi
- Prof. Mala Ramanathan – SCTIMST, Trivandrum
- Prof. William Joe, Institute of Economic Growth, New Delhi
- Prof. Pratap Chandra Mohanty- Department of Humanities and Social Sciences, IIT Roorkee, Uttarakhand
- Dr. Soumen Ray, Chief of Social Policy- Planning and Monitoring Evaluation, UNICEF, Timor-Leste
- Dr. Basant Kumar Panda – Technical Specialist, Population Council, New Delhi
- Prof. Mohammad Kashif Khan – Department of Economics, Jamia Millia Islamia, New Delhi

### IMPORTANT DATES

Last date for the Registration	31st August 2025
Communication to the participants	5th September 2025
Workshop dates	16th to 20th September 2025

*\*Limited seats are available (Offline – 35 Seats and Online – 35 Seats), Register soon*

### REGISTRATION FEE

The registration fee payment is mandatory to attend this workshop and is inclusive of all taxes.

Type of Participants	Participants from India (in INR)		Participants from Outside India (in \$)	
	Offline	Online	Offline	Online
Working Professionals/ Faculty / Project Research Associates / Postdocs/ Health & Industry Professionals / Others	₹5000	₹3000	\$ 120	\$ 50
Students: Ph.D. Scholars/Masters' Students	₹4500	₹2500	\$ 80	\$ 40

### Registration Guidelines and Inclusions

- Please note that **registration fees, once paid, are non-refundable under any circumstances.**
- For the offline participants, the registration fee covers Workshop Kit, Reading Material, High Tea and all meals (breakfast, lunch, and dinner) during the workshop, and Accommodation on a **twin-sharing basis** for the duration of the workshop
- Participation certificates will be awarded **only to those (offline and online participants)** who attend **all scheduled sessions**, and certificates will be distributed **during the valedictory session** at the end.
- Participants are required to make their **own travel arrangements**. No travel allowance (TA) will be provided by the organizers.
- The **receipt of registration fees** will be issued to scholars to claim reimbursement under their **contingency grants**, subject to the rules of their funding agency or institution.

### BANK DETAILS

Beneficiary Name :	Birla Institute of Technology & Science, Pilani		
IFSC CODE No.	ICIC0001538		
Bank Account No.	079901000123		
Bank	ICICI Bank Ltd.		
City   Branch	ICICI BANK LTD., PILANI		
MICR No.	333229175	Swift Code- ICICINBBNRI	

### HOW TO APPLY

Participants (Offline/Online ) can apply for the Workshop using the following Link:

**Registration Link: Offline Link- <https://forms.gle/QOTuCY2EcaPPjdJQA>**

**Online Link- <https://forms.gle/tJUTbDfHhZTfHgYRb6>**

For any specific queries, write to us on: [heworkshop2025@gmail.com](mailto:heworkshop2025@gmail.com)

### Workshop Convenors

**Prof. Balakrushna Padhi**  
Department of Economics & Finance,  
BITS Pilani - Pilani Campus

### Workshop Co-Convenors

**Prof. Krishna M.** (Head of the Department)  
**Prof. Rahul Arora**  
**Prof. Byomakesh Debata**

**Prof. William Joe**  
IEG, New Delhi, Secretary, IHEPA

Department of Economics & Finance,  
BITS Pilani - Pilani Campus

### ABOUT BITS PILANI

Started in the early 1900s as a small school, which gradually blossomed into a set of colleges for higher education, ranging from Humanities to Engineering. Birla Institute of Technology & Science (BITS), Pilani, has been recognized as an institution deemed to be a university since 1964. The continuous effort of BITS Pilani to impart the highest quality of technical and management education has been rewarded by the Government of India recently when it achieved the status of Institution of Eminence. Over the years, BITS Pilani has provided the highest quality technical and management education to students from all over India, admitted on merit. BITS Pilani is located in Pilani town in Jhunjhunu district of Rajasthan, India.

### ABOUT THE DEPARTMENT OF ECONOMICS AND FINANCE

The Department of Economics & Finance at Pilani Campus is one of the oldest departments of the Institute. The current Master's degree in Economics program started in 1964. At present, it is offering two-tier programs, Integrated M.Sc. Economics with dual Engineering Degree and Ph.D. program of the Institute (both Full-time and Part-Time). The Department also offers a Minor in Finance and a Minor in Computational Economics. The Department promotes quality education, nurtures young talents, and enriches intellectual contributions regarding research output in identified thrust areas.

### ABOUT THE IHEPA

The IHEPA is a registered society under the Societies Registration Act 1960. The office is located at the International Institute for Population Sciences, Mumbai. IHEPA welcomes all those interested in issues relating to health economics and policy to be a part of this association. IHEPA welcomes young scholars and researchers, grassroots practitioners, the private sector, and community-based organizations to participate actively so that all views and experiences can be heard, debated, understood, and absorbed.

