



ADAPTING PUBLIC HEALTH TO CHANGING CLIMATE,  
TECHNOLOGY AND SOCIETY

# 40<sup>th</sup> IAPSMWB CON 2025

**ADAPTING PUBLIC HEALTH TO CHANGING CLIMATE,  
TECHNOLOGY AND SOCIETY**

Organized by  
Department of Community Medicine and  
Family Medicine

Venue: ALL INDIA INSTITUTE OF MEDICAL SCIENCES, KALYANI  
22<sup>nd</sup> & 23<sup>rd</sup> August 2025





ADAPTING PUBLIC HEALTH TO CHANGING CLIMATE,  
TECHNOLOGY AND SOCIETY

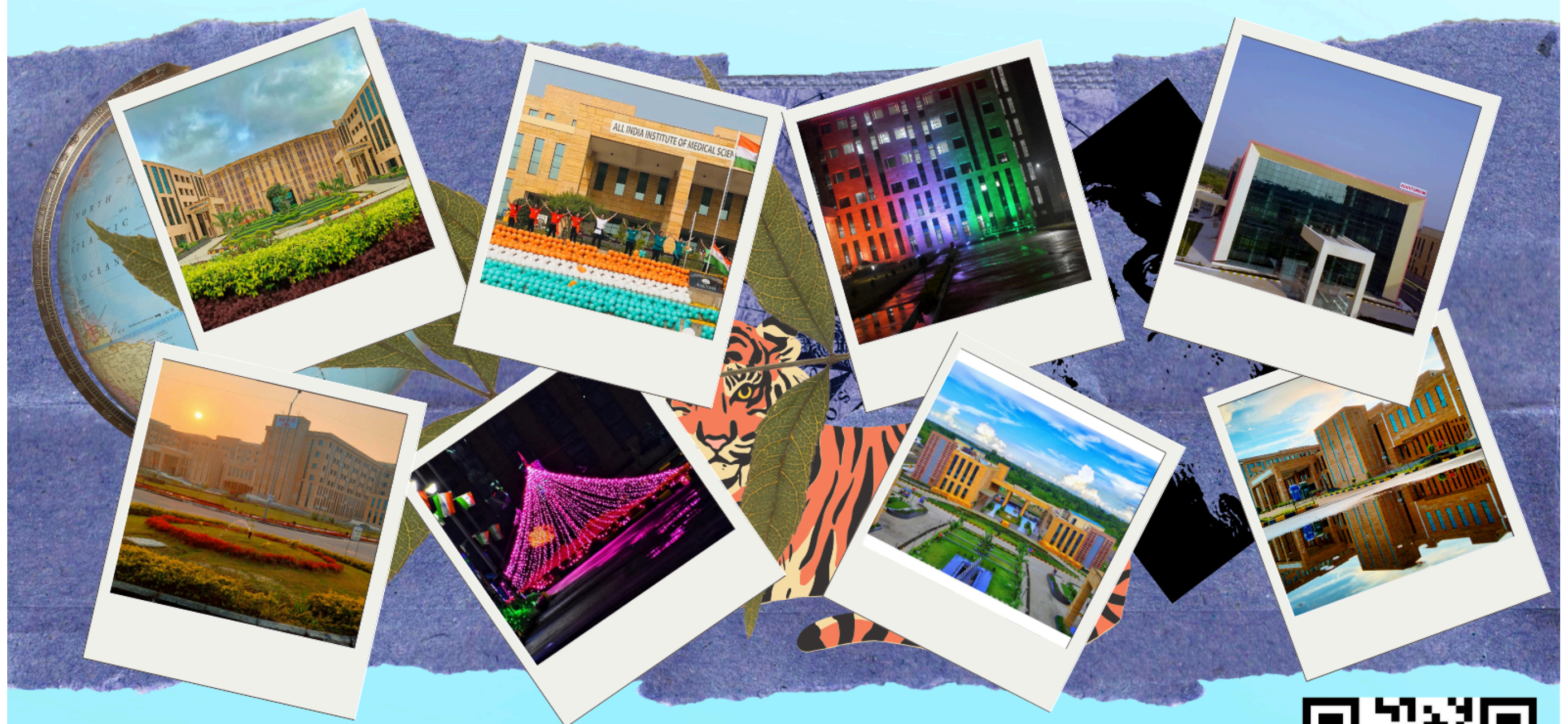


# 40th Annual State Conference **IAPSMWBCON 2025**

**Adapting Public Health to Changing  
Climate, Technology, and Society**

Organized by  
**DEPARTMENT OF COMMUNITY MEDICINE AND FAMILY MEDICINE  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, KALYANI**

**Conference: 22<sup>nd</sup> & 23<sup>rd</sup> August 2025  
Pre-conference workshops: 21<sup>st</sup> August 2025**



**Click here to Register**

[https://www.iapsmwbcon2025.net/registration\\_1/conference](https://www.iapsmwbcon2025.net/registration_1/conference)



Scan to register





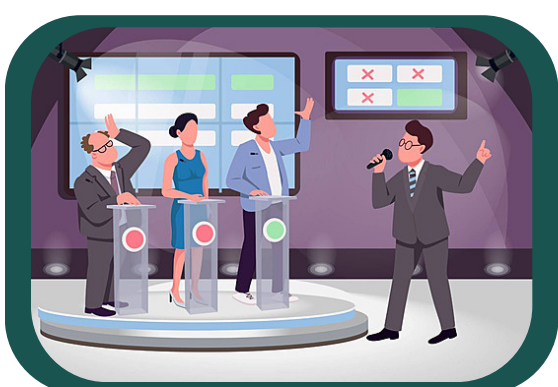
## Conference Highlights

Enriching scientific sessions



Prof. Akalanka Bhandari Best Research Proposal Award  
Prof. M.M. Ganguly Memorial Award for Young Scientists

PG Quiz



Public health Debate

Public Health Innovation



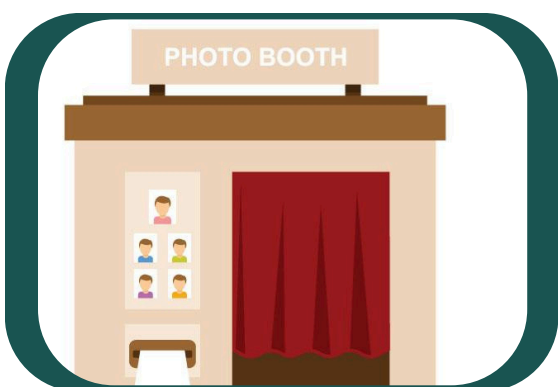
Critical Appraisal of Journal Article

Prof. Ranadeb Biswas Memorial Poster Presentation



Free oral Paper Presentation

Photo Booth



Gala dinner





IAPSMCON 2026



53<sup>rd</sup> Annual National IAPSM &  
32<sup>nd</sup> Gujarat State IAPSM Conference 2026

# IAPSMCON 2026

Theme: Transforming Policy to Practice for a Healthier India

SLOGAN: THE WAY TO VIKSIT BHARAT @ 2047



PRE-CONFERENCE:

26<sup>th</sup> February 2026

CONFERENCE:

27<sup>th</sup>, 28<sup>th</sup> February & 1<sup>st</sup> March 2026



**NAMO**

Medical Education &  
Research Institute, Silvassa,  
U.T. of Dadra and Nagar Haveli &  
Daman and Diu

Special Registration Offer

from 11<sup>th</sup> April to  
13<sup>th</sup> April 2025

**REGISTER  
NOW**



CLICK HERE

ORGANIZED BY: DEPARTMENT OF COMMUNITY MEDICINE, NAMO MEDICAL EDUCATION & RESEARCH INSTITUTE, SILVASSA, U.T. OF DNH & DD

AIIMS Kalyani 22<sup>nd</sup> & 23<sup>rd</sup> August, 2025





## Message from Principal Secretary, MoH&FW

**Narayan Swaroop Nigam, IAS**  
Principal Secretary



**Government of West Bengal**  
**Health & Family Welfare Department**  
Swasthya Bhawan, GN-29, Sector-V, Salt Lake, Kolkata-700 091  
Tel : (033) 2357 5899, e-mail : secy.hfw-wb@gov.in  
prin.secy.wbhealth@gmail.com

No.204-Secy(HFW)/2025

Date : 09/07/2025

*Respected Prof Ramji,*

Heartiest congratulations on the inauguration of **IAPSMWBCON-2025, the Annual State Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter**, being held at AIIMS Kalyani on 22<sup>nd</sup> and 23<sup>rd</sup> August, 2025.

The chosen theme, "Adapting Public Health to Changing Climate, Technology and Society," is both timely and thought-provoking, reflecting the urgent need to align our public health strategies with the evolving global landscape. It is a commendable initiative that brings together experts, academicians, and public health professionals to deliberate on these critical dimensions.

Wishing the organizers and participants a successful, insightful, and impactful conference. May this event foster meaningful discussions and inspire innovative approaches to advance public health in West Bengal and beyond.

*With best wishes & regards*

*9/7/2025*  
(Narayan Swaroop Nigam, IAS)  
Principal Secretary  
Health & Family Welfare Department  
Government of West Bengal





## Venue



## About the venue: AIIMS Kalyani

All India Institute of Medical Sciences (AIIMS) Kalyani was officially approved, under the Pradhan Mantri Swasthya Suraksha Yojana (PMSSY), by the Union Cabinet on October 07, 2015. The Institute was approved to be established over a span of 179.82 acres of land on National Highway – 34, around 50 km from Kolkata, in the village of Basantapur, near Kalyani, District Nadia, West Bengal.

AIIMS Kalyani is an Institute of National Importance set up to address imbalances at three levels – regional, specialties, and the ratio of medical doctors to nurses and other healthcare professionals. It intends to develop patterns of teaching in undergraduate and postgraduate medical education in all its branches so as to demonstrate a high standard of medical education to all medical colleges and other allied institutions in India.

In phase I, AIIMS Kalyani is proposed to be a 960-bedded hospital equipped with all modern facilities. To further enhance healthcare delivery, AIIMS Kalyani lays special emphasis on Alternative Systems of Medicine, AYUSH. In subsequent phases, AIIMS Kalyani is likely to widen the spectrum of services through the expansion of various super-speciality departments. AIIMS Kalyani started its first academic session from September 04, 2019, with a batch of 50 MBBS students.

## How to Reach

**Via Flight:** The nearest airport is Netaji Subhash Chandra Bose Airport, Kolkata, is well connected with other parts of the country with regular flights.

**Via Road:** AIIMS Kalyani is located at a distance of about 50 km from Netaji Subhash Chandra Bose International Airport. It is well connected through the Kalyani Expressway.

**Via Train:** The nearest railway station is Kalyani Junction(10 km) for local trains. It is well connected from Sealdah railway station, Kolkata, with trains running from Sealdah to Kalyani Junction every 15 minutes.





## Prof. (Dr.) Indrajit Saha

Director of Medical Education  
Department of Health & Family Welfare  
Government of West Bengal



Swasthya Bhaban

GN-29, Sector-V,  
Salt Lake City, Kolkata - 700 091  
Tel : +91 33 2333 0407  
E-mail : dme.wbhealth@gmail.com

No. DME/Spl.Corresp./2025/60

Dated: Kolkata, the 28th July, 2025

### Message

I am very glad to know that the Indian Association of Preventive and Social Medicine (IAPSM), West Bengal Chapter is organizing the 40th Annual State Conference IAPSMWBCON 2025 on 22<sup>nd</sup> August 2025 & 23<sup>rd</sup> August, 2025 at All India Institute of Medical Sciences (AIIMS), Kalyani.

Today, Community Medicine is a vital branch of medical science focused on the health of population rather than individuals. Its importance lies in preventing disease, promoting health, and prolonging life through organized community efforts. This year, the conference revolves around the theme “Adapting public health to changing Climate, Technology, and Society”

This conference will bring together leading experts, professionals, researchers, and policymakers from various disciplines related to public health to collectively contribute towards creating healthier communities and addressing the pressing challenges faced by our society.

Eminent speakers from state and national levels would gather to share their plethora of knowledge and insights on the latest advancements and innovations in the field of Community Medicine and Public Health to create an excellent scientific platform for sharing and exchange knowledge.

I hope that the Conference shall improve the bond of fraternity among the members of the association and also provide an excellent scientific environment for their searchers, academicians and students in this field.

I would like to convey my heartiest congratulations for the success of publishing the souvenir and also express my best wishes to all the participants in this conference and wish it a grand success.

Prof. (Dr.) Indrajit Saha





## Chief Guest

**MAJOR GENERAL (DR, PROF) ATUL KOTWAL, SM, VSM (Veteran)  
MBBS, MD (PSM), Post Doctoral Fellowship (Epidemiology), FAMS, FRCP Edin,  
FIPHA, FIAPSM  
EXECUTIVE DIRECTOR,  
National Health Systems Resource Centre (NHSRC), MoHFW, Govt of India**



- A Medical Public Health Specialist and Epidemiologist with more than 39 years of experience as Medical Professional, Researcher, Administrator and Medical Educator with innate abilities in planning, implementing, strengthening and evaluating Health Programs, improving Social determinants of Health in the Armed Forces, country and abroad. Strong analytical skills to easily assess conditions, plan and implement appropriate interventions in the medical field.
- Noted for offering viable solutions, leveraging an innovation focused approach, planning, Monitoring and Evaluation at National and International level and Proficiency in Preventive and Social Medicine (Comm Med), Epidemiology, Health Systems, Public Health and Multi and Inter-Disciplinary Research in Allopathy and AYUSH.
- Worked in the capacity as Member / Chair / Expert in Various Committees of the Armed Forces Medical Services, Government of India, Government of Botswana, WHO, etc., dealing with health programs, medical, nursing and paramedical teaching, evidence generation, planning healthcare activities and newer initiatives; Collaborated with the MoHFW, ICMR and MoD; Advisor in studies by institutions like PGI, AIIMS, Medical Universities, IIT, ICRIER, DBT, etc.
- Contributed to the XI health, water and sanitation and Nutrition plan for the country as OSD (Public Health), Planning Commission
- Leading eight technical divisions including Community Processes- Comprehensive Primary Health Care; Healthcare Technology; Healthcare Financing; Human Resources for Health and Health Policy and Integrated Planning; Knowledge Management Division; Public Health Administration; Quality and Patient Safety; and Information Technology at NHSRC and also North-East Regional Resource Centre (NE-RRC) of NHSRC.
- Has published around 180 papers in indexed journals, 52 papers in conference proceedings. Published 8 chapters in books/ monographs.
- Has more than 30 Armed Forces Funded Medical research projects and 50 Non- Armed Forces Funded research projects.
- Guided students in MD thesis projects and PhD Scholars. Other research projects guided include ICMR STS, MUHS projects
- Has more than 25 projects under IR-HSS platform.
- Has received many awards, which include, Sena Medal(Gallantry) in 1988, Chief of Army Staff in 2015, Vishisht Medal in 2017, Dr. J E Oration (IPHA) in 2013, Vijay Narain Award, IAPSM in 2015, Dr. P. Padmanabhan award, Dr. Abhaya Indrayan Oration, Dr. George Simons Oration in 2024.
- Has also received 8 Best published paper award and Best completed research project award.





## Message from DHS



*Dr. Swapan Saren*

MBBS,DPH,MPH

Director of Health Services

Department of Health & Family Welfare

Govt. of West Bengal



Directorate of Health Services,  
Swasthya Bhavan, GN-29, Sector-V,  
Salt Lake City, Kolkata – 700091  
Phone : (033) 2357 7903, 2333 0404  
E-mail : dhswestbengal@gmail.com

Ref no : .....

Date :30/07/2025

### MESSAGE

It is my pleasure to address you all the delegates & organizer of IAPSMWBCON-2025. It is really **A Vision for a Resilient Public Health Future**. This 40<sup>th</sup> Annual State Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter, is at a crucial point in global public health.

The theme, "**Adapting Public Health to Changing Climate, Technology, and Society**," addresses the shifts impacting human well-being worldwide. Climate change presents challenges to environmental and human health, which requires innovative strategies. Technological advancements offer new tools for disease surveillance, diagnosis, treatment, and public health interventions. This also raises questions about equitable access, data privacy, and ethical implementation. Evolving societal structures and health inequalities require tailored approaches to ensure health equity.

This conference is designed to be a catalyst for evidence-based discussions and the generation of innovative approaches to strengthen public health systems. The conference encourages insightful dialogue, collaborative research, and the sharing of best practices that will pave the way for a more resilient and equitable public health future for West Bengal and beyond.

It is hoped that participation in IAPSMWBCON-2025 is enriching and inspiring. The discussions held here should contribute to shaping the future of public health.

*Swan 30/07/25*  
Dr Swapan Saren

Director of Health Services





# Organizers

## Organizing Committee



Prof. Dr. Paramita Sengupta  
Organizing Chairperson



Prof. Dr. Rekha Dutt  
Organizing Co-Chairperson



Dr. Ritesh Singh  
Organizing Treasurer



Dr. Amandeep Kaur  
Organizing Secretary



Dr. Jitendra Majhi  
Organizing Joint Secretary



Dr. Farhad Ahamed  
Organizing Joint Secretary



Dr. Sarika Palepu



Dr. Gitismita Naik



Dr. Ashish Pundhir



Dr. Sembagamuthu Sembiah

## Patrons



Shri. Narayan Swaroop Nigam, IAS  
Principal Secretary, DOHFW, WB



Dr. Indrajit Saha  
DME, DOHFW, WB



Dr. Swapan Soren  
DHS, DOHFW, WB



Shri. Subhanjan Das  
Mission Director, NHM, WB



Dr. Mukul Bhattacharyya  
Vice Chancellor, WBUHS



Prof. Dr. Chitra Sarkar  
Former President, AIIMS Kalyani



Prof. Dr. Yogendra Kumar Gupta  
President, AIIMS Kalyani



Prof. Dr. Ramji Singh  
Executive Director, AIIMS Kalyani

## National Office Bearers



Prof. Dr. Ashok K Bhardwaj  
National President  
IAPSM



Prof. Dr. Atul Kotwal  
National President elect  
IAPSM



Dr. Manish Kumar Singh  
National Secretary General  
IAPSM



Prof. Dr. Kunal Kanti Majumdar  
State President  
IAPSM W.B. State Chapter



Prof. Dr. Mausumi Basu  
State President  
IAPSM W.B. State Chapter



## THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES



**Prof. (Dr.) Mukul Bhattacharyya**  
Vice- Chancellor

Memo No. Message/PA-VC/WBUHS/2025-2026/0022

Date : 30/07/2025



### Message

*It is my great pleasure to note that the Department of Community Medicine and Family Medicine, All India Institute of Medical Sciences (AIIMS), Kalyani is going to celebrate its 40<sup>TH</sup> Annual State Conference - "IAPSMWBCON-2025" on 22<sup>nd</sup> August, 2025 and 23<sup>rd</sup> August, 2025 at AIIMS, Kalyani.*

*Community Medicine plays a vital role in promoting public health and well-being. I commend the efforts of Doctors and healthcare professionals working diligently to improve community health outcomes.*

*I express my gratitude to all the members and advisors of the committee for their long and useful services to the state and nation through their thoughtful activities.*

*I believe that the conference will be an ideal platform for sharing knowledge with experts in this field and at the end of the conference all the participants will be extremely enriched with latest research work and development in this field.*

*I am happy to know that a souvenir will be published to commemorate this auspicious occasion.*

*I extend my warmest wishes for a grand success of the ceremony.*

**Prof. (Dr.) Mukul Bhattacharyya**  
Vice Chancellor

Address: DD-36, Salt Lake, Sector-1, Kolkata, W.B, PIN - 700 064

Website: <http://www.wbuhs.ac.in> ; e-mail: [vc@wbuhs.ac.in](mailto:vc@wbuhs.ac.in)

Tel. (O) (033) 2321-5388, EPBX: 2321 - 3461, 2334 - 6602 (Extn. 208)



## Message from National President, IAPSM

It gives me immense pleasure to extend my warm greetings to all delegates, faculty, and organizers of the 40th Annual Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter (IAPSMWB CON 2025), being hosted by the Department of Community and Family Medicine, AIIMS Kalyani, on 22nd & 23rd August 2025.

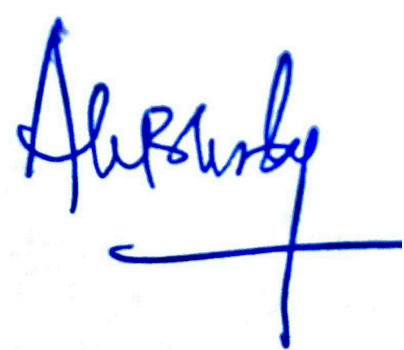


The theme of this year's conference, "Adapting Public Health to Changing Climate, Technology, and Society", is both timely and visionary. As we stand at the crossroads of global challenges, it is imperative that public health professionals recalibrate strategies to address the multifaceted impacts of climate change, rapidly evolving technologies, and shifting social dynamics.

Climate change threatens to intensify disease patterns and health inequities; technology, while offering unprecedented opportunities, brings new ethical and implementation challenges; and societal transformations demand that we continually evolve our approaches to ensure inclusivity, equity, and resilience in health systems. I am confident that this conference will provide a rich platform for meaningful dialogue, innovative research, and collaborative strategies to address these pressing concerns.

I congratulate the organizing team for their dedication and efforts in bringing together a distinguished galaxy of experts and young researchers. I am certain that the deliberations at IAPSMWB CON 2025 will not only enrich scientific knowledge but also inspire action towards a healthier, equitable, and sustainable future. I wish the conference grand success and hope it fosters new ideas, collaborations, and commitments that strengthen the discipline of Public Health in India.

Long live IAPSM!!



Prof. Dr. Ashok K Bhardwaj

National President

Indian Association of Preventive and Social Medicine





## Message from President Elect, IAPSM



It is a privilege to address the 40th Annual Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter, being hosted at AIIMS Kalyani on 22nd and 23rd August 2025.

Public health systems globally stand at a pivotal juncture, influenced by climate change, technological progress, and evolving societal structures. These converging influences demand a transformation of the established public health approaches to effectively prevent health risks and safeguard communities.

The theme, “Adapting Public Health to Changing Climate, Technology, and Society,” underscores the responsibility of our fraternity to lead transformative change in times of uncertainty. Climate change, digital innovations, and evolving societal needs are redefining health systems, and it is imperative for us to anticipate, adapt, and act with foresight.

The health systems must be resilient to climate impacts, minimize environmental footprints, harness technological innovations, address digital divide, and focus on vulnerable communities. Progress depends on sustained innovation, collaboration, and responsible governance. The choices made now will shape the health and well-being of people in an ever-changing world.

IAPSM has always played a pivotal role in strengthening public health education, research, and practice. As we look to the future, our collective vision must be to integrate scientific knowledge with health policy, health system and community action, ensuring sustainable and equitable health outcomes.

I extend my sincere appreciation to the organizers for their efforts in curating this meaningful academic platform. I am sanguine that the deliberations here will inspire new ideas and collaborations that will provide valuable guidance towards the future of Preventive and Social Medicine.

Major General (Prof) Atul Kotwal  
IAPSM President-Elect





## Message from National Secretary General, IAPSM



### Dr Manish Kumar Singh

MD (SPM- Gold Medalist KGMU), PGDHHM, ACME  
FIAPSM, FIPHA, FIMSA, FIMAAMS, FAIMER Fellow  
MAMS

Secretary General -IAPSM  
Professor (Junior Grade)  
Department of Community Medicine  
Dr. RMLIMS, Lucknow, UP

Dear Esteemed Delegates,

It is my great pleasure and honor to welcome you all to the 40th Annual Conference of the IAPSM West Bengal Chapter, organized by the Department of Community & Family Medicine, AIIMS, Kalyani.

I extend my heartfelt congratulations and best wishes to the entire organizing team for their dedication and efforts in bringing this event to life. I am confident that this conference will offer an enriching learning experience to all delegates. The meticulously curated scientific sessions, spanning a wide array of public health topics and featuring distinguished speakers from across India, promise to be immensely beneficial. Additionally, the pre-conference workshops and competitions are excellent initiatives that will help enhance the skills and competencies of our young postgraduate students and faculty members.

The theme of this year's conference “Adapting Public Health to Changing Climate, Technology, and Society” is both timely and thought-provoking. In an era where health determinants are being reshaped by climate change, rapid technological advancements, and evolving societal norms, this theme could not be more relevant or urgent. We are indeed at a pivotal moment where public health systems must not only respond to emerging challenges but also proactively adapt and innovate to remain effective, inclusive, and equitable. The deliberations around this theme hold the potential to provide clarity, foster collaboration, and pave the way for practical, sustainable solutions aligned with both global and local realities.

I wish IAPSMCON West Bengal 2025 a grand success.

Long Live IAPSM!!

Dr Manish Kumar Singh  
Secretary General  
IAPSM





## Message from President, AIIMS Kalyani



It gives me great pleasure to note that AIIMS Kalyani is hosting the 40th Annual Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter (IAPSMWB CON 2025) on 22nd and 23rd August 2025.

The theme of this year's conference, "Adapting Public Health to Changing Climate, Technology, and Society," is both timely and significant. This academic congregation offers an invaluable platform for experts, faculty, researchers, and students to come together, share insights, and exchange ideas that will advance the teaching and practice of Community Medicine.

Public health today stands at the crossroads of complex challenges that require collaborative thinking, evidence-based approaches, and innovative strategies. I am confident that the deliberations at this conference will not only deepen our collective understanding but also inspire practical solutions aimed at improving health outcomes for communities and society at large.

On behalf of AIIMS Kalyani, I extend my warm greetings to all delegates and participants. I also congratulate the organizers and wish them every success. May IAPSMWB CON 2025 be remembered as a truly meaningful and inspiring event.

Prof. (Dr.) Yogendra Kumar Gupta  
President, AIIMS Kalyani





## Message from Former President, AIIMS Kalyani

It gives me immense pleasure that AIIMS Kalyani is hosting the Annual Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter (IAPSMWBCON 2025). This academic congregation is a wonderful opportunity for experts, faculty, researchers, and students to come together and exchange ideas that will strengthen the practice and teaching of Community Medicine.



Public health today faces complex challenges that demand collaborative thinking, evidence-based solutions, and innovative strategies. I am confident that the deliberations at this conference will not only enrich our understanding but also inspire actionable steps towards achieving better health outcomes for society.

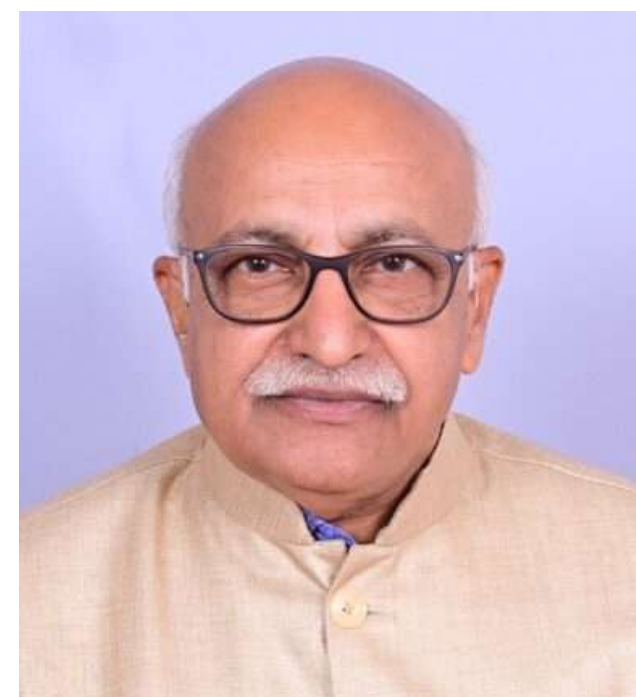
On behalf of AIIMS Kalyani, I extend my warm greetings to all delegates and participants. I wish the organisers every success and hope that IAPSMWBCON 2025 will be remembered as a fruitful and inspiring event.

Prof. Dr. Chitra Sarkar  
Former President, AIIMS Kalyani



## Message from Executive Director, AIIMS Kalyani

It gives me great pleasure to extend my warm greetings to all delegates, faculty members, students, and distinguished guests participating in the 40th IAPSM – 2025, Annual Conference of West Bengal State Chapter, organized by the Department of Community Medicine & Family Medicine, AIIMS Kalyani.



Health today faces dynamic challenges that call for collective wisdom, innovative research, and strong interdisciplinary collaboration. This conference provides an excellent platform for academicians, researchers, practitioners, and young minds to exchange knowledge, deliberate on pressing health concerns, and contribute to strategies that will strengthen our healthcare system.

The theme of this year's conference – “Adapting Public Health to Changing Climate, Technology and Society” – is both timely and highly relevant. As environmental shifts, technological advancements, and evolving social dynamics reshape health priorities, the role of public health professionals becomes more critical than ever.

AIIMS Kalyani, as an Institution of National Importance, remains committed to advancing education, research, and service that address not only clinical needs but also the broader determinants of health. This conference exemplifies that commitment by fostering dialogue, collaboration, and innovation to build a healthier future.

I commend the Department of Community Medicine & Family Medicine for their initiative in hosting this important academic event. I am confident that the deliberations will inspire fresh perspectives and impactful actions, strengthening our collective response to emerging health challenges.

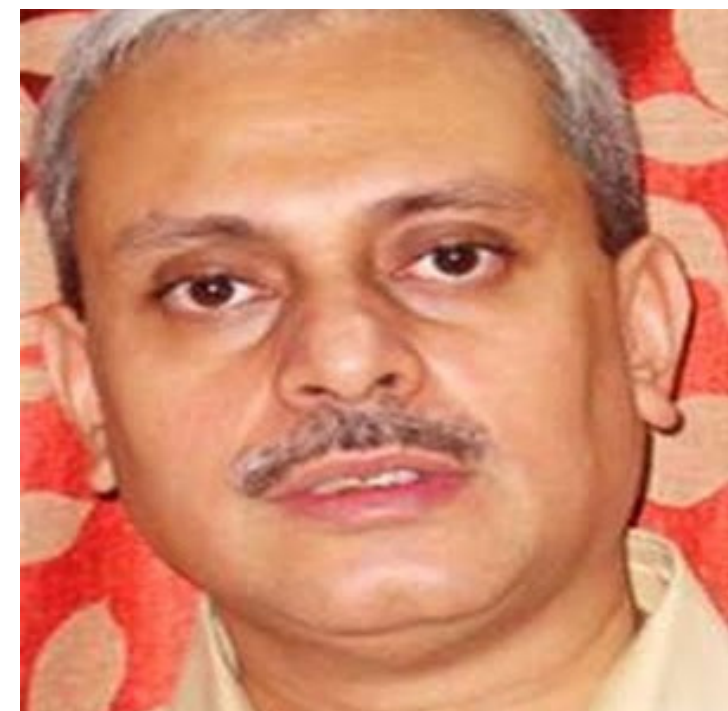
I wish the conference every success and extend my best wishes to all participants for enriching and meaningful discussions.

With warm regards,  
Prof. (Dr.) Ramji Singh  
Executive Director  
AIIMS Kalyani



## Message from Dean (Academics), AIIMS Kalyani

It gives me great pleasure that AIIMS Kalyani is hosting IAPSMWBCON 2025. This conference brings together experts, faculty, and students to exchange knowledge and discuss key challenges in community medicine and public health.



Academic meetings like this play an important role in promoting learning, encouraging research, and building collaborations. They also inspire young professionals to think innovatively and contribute towards improving the health and well-being of society.

I congratulate the organising committee for their dedicated efforts and extend my best wishes for a fruitful and successful conference. May this event lead to new ideas and partnerships for a healthier tomorrow.

Prof. Dr. Kalyan Goswami  
Dean (Academics)  
AIIMS Kalyani





## State President, IAPSM WB Chapter

It gives me immense pleasure to know that the Indian Association of Preventive and Social Medicine (IAPSM), West Bengal Chapter is going to celebrate its 40th Annual State Conference at AIIMS Kalyani on the 22nd and 23rd of August, 2025 with the Theme of the conference as “Adapting Public Health to Changing Climate, Technology, and Society”



On this occasion, a souvenir brochure will be published to commemorate the event, containing scholarly content, programme details, and messages from distinguished dignitaries and stakeholders in public health.

I convey my congratulation to the organisation members, chair persons, speakers and participants. I am sure such continuous and dedicated activities by the organisation will help to improve Public Health awareness of the communities and societies and will empower them to face the growing challenges from climate change and other hazards of environmental pollution exacerbating the existing health risks and introducing new ones.

I wish the conference a grand success.

### **Dr Kunal Kanti Majumdar**

Professor, Department of Community Medicine,

Medical Superintendent cum Vice Principal (MSVP),

KPC Medical College & Hospital, Jadavpur, Kolkata, India

President Indian Association of Preventive and Social Medicine (IAPSM),  
West Bengal Chapter





## State Secretary, IAPSM WB Chapter

Hon'ble National President, National Secretary, Executive Director of AIIMS Kalyani, Principal Secretary WB, Vice Chancellor of West Bengal University of Health Sciences, Director of Medical Education WB, Director of Health Services WB, State President, hon'ble dignitaries on the dias, distinguished guests and my dear members, I have the honour to welcome you all in the 40th annual state conference of Indian Association of Preventive and Social Medicine West Bengal Chapter at the prestigious All India Institute of Medical Science, Kalyani. I convey my gratitude to all the senior members, convey my love



To my contemporary and junior members of IAPSM, thank you for coming forward to make the conference a grand success. The Indian Association of Preventive and Social Medicine, founded in 1974, is a professional organization of specialists in Epidemiology, Health Management, Health Promotion, and Family Medicine. Members of our organization are engaged to improve the teaching standard in community medicine, to promote research, and to make effective application of knowledge acquired in teaching, research, and service.

It is a matter of rejoice that almost three hundred members have registered in the 40th Annual State Conference of IAPSM WB Chapter on 22nd and 23rd August 2025. This will be an academic feast where scientific presentations in different forms will be held, and the delegates will be enshrined by the discussion. Undergraduate students will be felicitated for their proficiency in Community Medicine. This conference will provide an excellent platform for postgraduate students under the following categories: Best Research Proposal Grant initiated by Prof Akalanka Bhandari, Prof M M Ganguly Award Paper Presentation, Prof Ranadeb Biswas Memorial Poster Competition, and Postgraduate Quiz.

I extend my sincere thanks to the Organizing Committee of the 40th Annual State Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter, All India Institute of Medical Science, Kalyani, for successfully organizing the conference. I believe that some expectations of many of our members could not be translated into action and I am ready to take the responsibility for any lapses and shortcomings which I could not avoid in spite of my best effort and sincerity.

Long Live IAPSM.

**Prof. Dr. Mausumi Basu**

Secretary

IAPSM WB Chapter

Prof. & HOD

Department of Community Medicine

IPGMER & SSKM Hospital

Kolkata





## Editor in Chief, Journal of Comprehensive Health



**Prof. (Dr.) Nirmal Kumar Mandal**  
Principal  
M.J.N. Medical College & Hospital, Cooch Behar  
&  
Editor in Chief, Journal of Comprehensive Health

Date: 5<sup>th</sup> of August, 2025

### MESSAGE

I am extremely happy to know that **40<sup>th</sup> Annual Conference of *Indian Association of Preventive & Social Medicine, West Bengal Chapter*** is going to be organized on **22<sup>nd</sup> & 23<sup>rd</sup> August, 2025** at **Department of Community Medicine & Family Medicine, All India Institute of Medical Sciences, Kalyani.**

It gives me pleasure to know that this conference is going to be organized on the theme of ***“Adapting Public Health to Changing Climate, Technology and Society”***.

I extend my warm greeting & best wishes to the Organizing Committee, Delegates & Guests going to attend the Academic Fest.

I wish this Conference a grand success.

**Prof. (Dr.) Nirmal Kumar Mandal**  
Principal  
M.J.N. Medical College & Hospital  
&  
Editor in Chief  
Journal of Comprehensive Health





## Felicitations

# PROF DR MAUSUMI BASU



- Ex Prof & HOD, Community Medicine, IPGMER, Kolkata
- **Fellowships:**
  - Fellow of Foundation for Advancement of International Medical Education & Research (FAIMER)
  - Fellow of Indian Public Health Association(IPHA)
  - Fellow of the Scholars Academic & Scientific Society (SAS/FSASS)
- **Publications:** 129 publications in indexed journals; H-index 20
- **Authorship:** Contributor of IAPSM Textbook of Preventive & Social medicine
- **Research:**
  - PI of a project "HIV risk assessment among various unexplored populations 'funded by NACO
  - Co PI of multi-centric project (INSPIRES) under Delhi AIIMS, with funding by US-CDC Atlanta
- **Contributions to Science**
  - Expert Group member to assist National Certification Committee for Polio Eradication (NCCPE)
- **Office Bearers of Professional Associations:**
  - ExSecretary, Board of Studies, West Bengal University of Health Sciences
  - Treasurer, Indian Public Health Association
  - Secretary, IPHA WB Branch
  - Secretary, IAPSM WB Chapter
- **Trainer:**
  - IMNCI, IDSP,PPTCT, STI/RTI, School Health Program , IBBS-PLHIV and HRG-HSS Plus



## From the desk of Organizing Chairperson



It gives me immense pleasure to welcome you all to **IAPSMWB CON 2025**, being hosted by **AIIMS Kalyani** on 22nd and 23rd of August 2025. This annual gathering of the Indian Association of Preventive and Social Medicine, West Bengal Chapter, is not just an academic event, but a collective journey towards strengthening public health in our state and beyond.

The theme of this year's conference, "**Adapting Public Health to Changing Climate, Technology and Society**", reflects the pressing need of our times. Public health today faces challenges that are dynamic, interconnected, and global in nature. Climate change threatens to reverse health gains, rapid technological advances are reshaping healthcare delivery, and societal transitions demand inclusive, equitable, and sustainable approaches. This conference aims to serve as a vibrant platform to deliberate on these evolving issues, exchange innovative ideas, and forge collaborations that can translate knowledge into impactful action.

I extend my heartfelt gratitude to all the dignitaries, faculty members, delegates, and students who have contributed to making this event possible. I also acknowledge the relentless efforts of my colleagues and the entire organising team, whose dedication has turned this vision into reality.

On behalf of AIIMS Kalyani, I warmly welcome you to participate, engage, and make the most of this academic celebration. I am confident that together we will pave the way for a healthier, resilient, and adaptive future.

*Paramita*

Organising Chairperson, IAPSMWB CON 2025

AIIMS Kalyani



## From the desk of Organizing Co-Chairperson



It gives me great pleasure to welcome you to the 40th Annual Conference of the Indian Association of Preventive and Social Medicine, West Bengal Chapter (IAPSMWB CON 2025), being held at AIIMS Kalyani on 22nd and 23rd August 2025.

The theme, *“Adapting Public Health to Changing Climate, Technology, and Society,”* reflects the pressing need to reorient strategies and build resilient systems to address evolving public health challenges. This conference offers a platform for academicians, researchers, and post graduate trainees to exchange knowledge, deliberate on current issues, and explore innovative solutions for a healthier future.

I extend my sincere thanks to all members of the organizing team, distinguished speakers, and delegates for their support and participation. I am confident that this academic gathering will contribute meaningfully to the advancement of community medicine in our region.

With best regards,



Prof. (Dr.) Rekha Dutt  
Organizing Co-Chairperson  
IAPSMWB CON 2025





## From the desk of the Organizing Secretary



It is an honour to be part of the Organising Team of the 40th IAPSMWB CON 2025 – Annual Conference of the West Bengal State Chapter, hosted by the Department of Community Medicine & Family Medicine (CMFM), AIIMS Kalyani.

The theme, “Adapting Public Health to Changing Climate, Technology and Society,” was thoughtfully chosen to reflect the pressing realities of our times. Climate change, rapid technological advances, and evolving social structures are reshaping the health landscape at an unprecedented pace. As public health professionals, our duty is not only to respond to these challenges today but also to innovate and build resilient systems for the future.

This conference provides a vibrant platform for the exchange of ideas, evidence, and experiences among experts, researchers, practitioners, and students from diverse disciplines and institutions across the country. With contributions from both eminent leaders and young professionals, the scientific deliberations embody a healthy balance of wisdom and innovation. This intergenerational and interdisciplinary dialogue is crucial for shaping sustainable strategies to promote the health and well-being of populations and safeguard our future on our planet.

On behalf of the Organising Committee, I convey my sincere gratitude to our Executive Director, AIIMS Kalyani, the dedicated faculty of the Department of CMFM and other departments of AIIMS Kalyani, the IAPSM West Bengal State Chapter, our sponsors, and all contributors whose support and commitment have made this academic gathering a reality.

With best regards,

**Dr. Amandeep Kaur**

Additional Professor (CMFM)

Organizing Secretary

40<sup>th</sup> IAPSMWB CON – 2025

AIIMS Kalyani





## Our Logo



### 1. Circular Frame (Symbol of Unity & Inclusivity)

- The outer circular border represents holistic public health and the integrated approach needed to tackle emerging global health challenges.
- The text “IAPSMWBCON’ 2025” and “AIIMS Kalyani” are placed along the border in a bold green font, signifying growth, sustainability, and health

### 2. Central Elements (Core Theme Representation)

#### A. The Caduceus with Wings (Medical Science & Evolution)

- The caduceus (a staff with wings and intertwined serpents) symbolizes public health, medical ethics, and adaptation to new medical advancements.
- The blue color of the caduceus represents technology and scientific progress, highlighting how modern medicine evolves to meet public health needs.

#### B. The Growing Tree (Environmental Health & Sustainability).

- A tree emerges from the caduceus, illustrating the interdependence of medicine, environment, and public health.
- The branches and leaves signify growth, resilience, and the need to adapt to climate change for a healthier future.

#### C. Circuit Lines (Technology in Public Health)

- At the base, blue circuit-like connections symbolize digital health transformation, AI in medicine, and the role of technology in improving healthcare access.
- This emphasizes telemedicine, health informatics, and the integration of digital solutions in modern public health practice

#### D. Human Factor in Society

- This emphasizes the lifecycle of humans in the society which is highly interlinked with the developing technology

### 3. The Tagline (Defining the Conference’s Mission)

- “Adapting Public Health to Changing Climate, Technology, and Society” is prominently displayed in dark blue, ensuring clarity and impact.
- The bold yet professional font highlights the dynamic nature of public health and the need for continuous evolution in response to global shifts.





## PG Quiz







# 40<sup>th</sup> IAPSMWBCON – 2025

Adapting Public Health to Changing  
Climate, Technology and Society

**Department of CMFM, AIIMS Kalyani**

**Submission Opens: July 1, 2025**

**Submission Deadline: July 31, 2025**

**Notification of Acceptance: August 15, 2025**



Scan to submit

Link for abstract submission:  
<https://forms.gle/7jr9KHpbqUHVwLwb7>

*Submissions for IAPSMWBCON 2025 Award categories  
should not be done through this platform*

## Guidelines for Abstract Submission

### Faculty Members (Non-Award category)

- ⇒ Registration is mandatory to submit the abstract.
- ⇒ Please submit abstracts exclusively online in English, in Microsoft Word format, with a maximum word count of 300 words (excluding the title and author affiliations).
- ⇒ The abstract should contain the following headings:
  - \* Title
  - \* Affiliations: Names, Organizations, Cities/States, Emails of authors
  - \* Background
  - \* Objectives
  - \* Methodology
  - \* Results
  - \* Conclusion





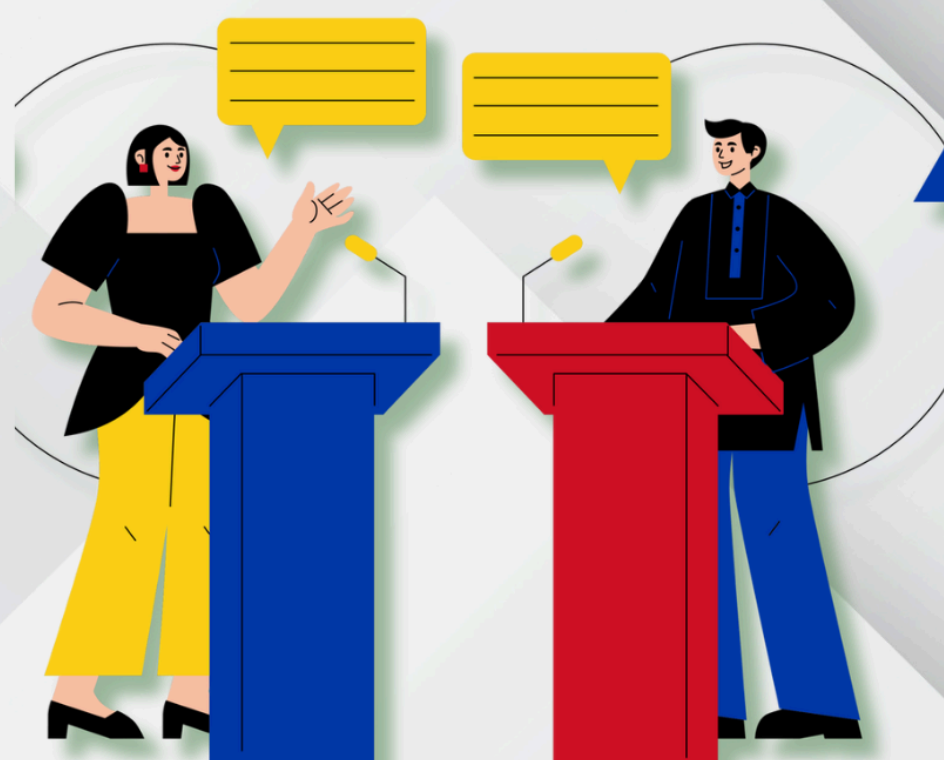
# 40<sup>th</sup> IAPSMWBCON 2025

adapting public health to changing climate, technology and society

Department of CM&FM, AIIMS KALYANI

Date: 22<sup>nd</sup> and 23<sup>rd</sup> August 2025

## Public Health Debate



### Preliminary Round

- Teams must submit a recorded video on a topic and stance (FOR/AGAINST) allotted by the organisers
- Duration: Maximum 10 minutes
- Submission guidelines will be provided in the WhatsApp group of the registered participants

### Final Round

- Two teams will be selected for the Final Round
- Final will be held live during the conference

\* One team of 2 or 3 members from one institution.

Registration for the conference is mandatory for participation

EXCLUSIVELY  
FOR  
RESIDENTS

Competition participation link:  
<https://forms.gle/zy2MjeNIe8kYxvoB8>  
Last date : 30th July 2025



Scan to Register

For queries, feel free to contact @debateiapsmbcon2025@gmail.com





# 40<sup>th</sup> IAPSMWB CON 2025

Adapting Public health to changing Climate, Technology and Society

Department of Community Medicine and Family Medicine

All India Institute of Medical Sciences, Kalyani

Dates: 22<sup>nd</sup> and 23<sup>rd</sup> August, 2025

## Videography *Reel Stories, Real Impact!*

All registered delegates can participate

### GUIDELINES

- 3-5 minute video in mp4 format, Upto 200 MB to be uploaded on Google Drive
- Video should align with the conference theme
- Preferable languages: Bengali or Hindi with English subtitles
- One team can submit only one video, no overlapping of team members
- Must be original work
- Selected videos will be showcased during the conference, and winners will be announced based on their content and impact



SCAN HERE

Last date for submission: August 7<sup>th</sup> 2025

For any queries, feel free to contact us @ [iapsmwbcon2025videography@gmail.com](mailto:iapsmwbcon2025videography@gmail.com)





# 40<sup>th</sup> IAPSMWBCON 2025

Adapting Public Health to Changing Climate, Technology and Society

DEPARTMENT OF CM&FM, AIIMS KALYANI

Dates: 22<sup>nd</sup> and 23<sup>rd</sup> AUGUST 2025

## PUBLIC HEALTH INNOVATION

Ignite Ideas , Inspire Changes



### DOMAINS

- ✓ Public Health
- ✓ Policy Making
- ✓ Research
- ✓ Medical Education
- ✓ Patient Care Services

### Guidelines for Submission

- All registered delegates can participate
- Ideas should be submitted as PowerPoint presentation in the format as given in the template (  )
- File should be named as: Designation\_FirstName (i.e. : SR\_ABCD)

CONFERENCE REGISTRATION IS MANDATORY FOR PARTICIPATION

[CLICK HERE TO PARTICIPATE IN THE COMPETITION](#)

LAST DATE: 31<sup>ST</sup> JULY 2025



✉ For queries, feel free to contact us @ [innovation.iapsmwbcon2025@gmail.com](mailto:innovation.iapsmwbcon2025@gmail.com)





# 40<sup>th</sup> IAPSMWBCON 2025

ADAPTING PUBLIC HEALTH TO CHANGING CLIMATE, TECHNOLOGY AND SOCIETY

DEPARTMENT OF CM&FM, AIIMS KALYANI

DATES: 22<sup>ND</sup> AND 23<sup>RD</sup> AUGUST, 2025

## JOURNAL CLUB CRITICAL APPRAISAL

Where Curiosity Meets Critical Insight

*Exclusively for Residents*

### Preliminary round:

- Article and criteria for appraisal along with the submission guidelines will be shared in the designated WhatsApp group of registered participants

### Final round:

- Finalists will be selected after initial evaluation of the submitted write-ups
- Final round will take place during the conference

CONFERENCE REGISTRATION IS MANDATORY FOR PARTICIPATION

Participation link :

<https://forms.gle/HdhBBMZ87ZqHbw9B9>

Last date : 22<sup>nd</sup> July 2025



For queries, feel free to contact us @ [iapsmwbconjc@gmail.com](mailto:iapsmwbconjc@gmail.com)



# Pre-Conference Workshops



## 40th IAPSM WB CON 2025

ADAPTING PUBLIC HEALTH TO CHANGING  
CLIMATE, TECHNOLOGY, AND SOCIETY

### Pre-conference Workshop

#### NAVIGATING THE ETHICAL LANDSCAPE OF AI IN MANUSCRIPT WRITING IN PUBLIC HEALTH

Organized by  
**Department of Community Medicine,  
PGIMS-ESICMC**

**13TH AUGUST, 2025 09.00 AM- 05.00 PM**

Venue: PGIMS-ESIC Medical College, JOKA

**REGISTER NOW**

**RS 800/-**

<https://forms.gle/AbUcrKNSRV1ZrD7k6>

#### Bank details for Payment:

A/c name: AIIMS KALYANI CME ACCOUNT

A/c No: 41225286829

IFSC: SBIN0063963

Branch: AIIMS Kalyani

UPI ID: 41225286829@sbi

iapsmwbcon@gmail.com



**OR SCAN ME**

[iapsmwb.org](https://www.iapsmwb.org)

#### Highlights

- Understand how to use AI for manuscript development ethically and responsibly
- Hands-on experience using AI/LLM tools in manuscript preparation while avoiding pitfalls
- Learn how to structure research manuscripts efficiently and navigating peer review

*Credit hours included!*



## IAPSMWB CON 2025

*Adapting Public Health to Changing Climate, Technology, & Society*

### Family Planning Cafeteria : Updates

#### Pre-conference Workshop on Contraceptives updates in India

Venue : Department of Community Medicine,  
Medical College, Kolkata

Date : 14th August, 2025

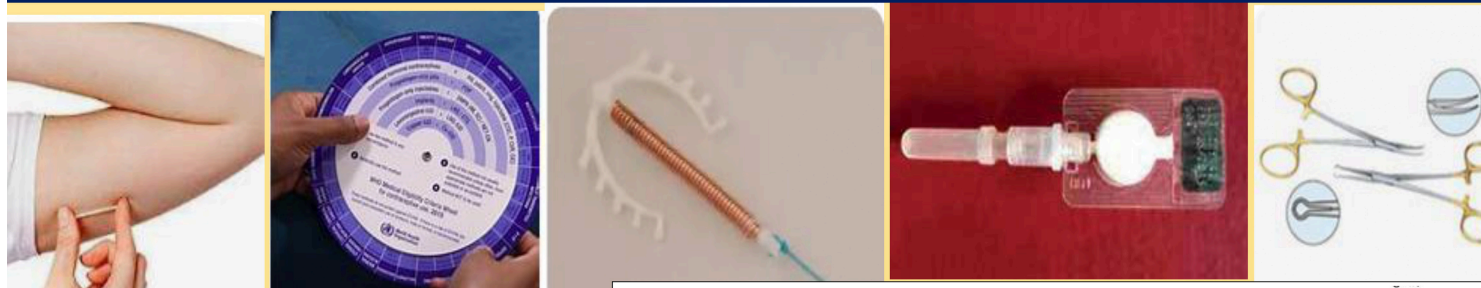
Time : 9.00 am – 5.30 pm

**60 seats only  
Grab it  
at the earliest!!**

Last date of Registration  
**5<sup>th</sup> August, 2025**

**Registration Fees  
800 INR**

#### Key Highlights



#### Who can register

Delegates of IAPSMWB CON 2025

**Pay at**  
A/c name : AIIMS KALYANI CME ACCOUNT  
Bank name : SBI Branch: AIIMS Kalyani  
A/c no. : 41225286829  
IFSC: SBIN0063963  
UPI ID: 41225286829@sbi



Organised by : **IAPSM-WB & Department of Community Medicine, Medical College, Kolkata**

Registration Link : <https://forms.gle/CRsMk2ghLHpgBuhPA>

For Any Queries, Please contact: 9007105795



## IAPSMWB CON 2025

### Preconference Workshop

Organized by Department of Community Medicine, Family Medicine &  
Medical Education Unit AIIMS, Kalyani

#### Qualitative Research Essentials: A Hands-on Workshop

#### Topic Highlights

- Introduction to Qualitative Research
- Research Design and Methods
- Data collection techniques (In depth interviews, Focus groups discussions)
- Basics of Data Analysis and Interpretation using software



**9 AM - 5 PM**

**21<sup>st</sup>**

**August  
2025**

**Conference Hall,  
3<sup>rd</sup> Floor, Auditorium,  
AIIMS Kalyani**

**Targeted Audience:** Medical Faculty, Residents, Researchers, Health Care Professionals

Join us for this 1-day workshop & gain valuable insights into qualitative research

#### Resource Person

Prof (Dr.) Rekha Dutt  
Dr Anirban Das Gupta  
Dr Atanu Kumar Dutta  
Dr Sanjay Kumar Patel  
Dr Asmita Hazra

#### Registration

**Link:** <https://forms.gle/us6NbaBahTXnfgYy8>

**Registration Fee:** 800/-

**Scan to pay**

**Payment details:**  
Account Name: AIIMS KALYANI CME  
ACCOUNT  
Account Number: 41225286829  
Bank Name: STATE BANK OF INDIA  
Branch: AIIMS KALYANI  
IFSC Code: SBIN0063963



**Last Date of Registration 12<sup>th</sup> August 2025 • Limited seats, Register now!**

FOR MORE INFORMATION ☎ +91-9897305201

🌐 <https://www.iapsmwbcon2025.net/>





## Pre-Conference Snapshots



### Navigating the Ethical Landscape of AI in Manuscript Writing in Public Health held on 13<sup>th</sup> August at PGIMSR-ESIC, Joka



### Family Planning Cafeteria: Updates held on 14<sup>th</sup> August at MKC, Kolkata



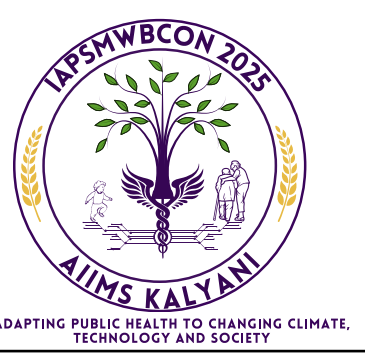
## Pre-Conference Snapshots



**Qualitative Research Essentials: A Hands-on Workshop held on 21<sup>st</sup> August at AIIMS, Kalyani**



Scientific Programme Schedule



40<sup>th</sup> IAPSMWBCON 2025

Organized by

Department of Community Medicine and Family Medicine , AIIMS Kalyani

22<sup>nd</sup> & 23<sup>rd</sup> August 2025

Scientific Program Schedule

Day 1: 22/08/2025

Venue A: Main Auditorium			
Time	Topic	Speakers	Chairperson
08:30 am onwards	Registration and Breakfast		
09:00-09:10 am	Opening Address		
09:10-09:30 am	Best Research Proposal (Initiated by Prof Akalanka Bhandari) Previous year presentation		Prof. (Dr.) Mausumi Basu Prof. (Dr.) Aditi Aikat Dr. Tushar Kanti Saha
09:30-10:30 am	Keynote Address by	Prof. (Dr.) Anand Krishnan Maj. Gen. Prof. Atul Kotwal	Prof. (Dr.) Dilip Kumar Das Prof. (Dr.) Aditya Prasad Sarkar
10:30-11:30 am	Challenges in Anemia Control in India and the emerging role of Artificial Intelligence	Dr. Ranadip Chowdhury Dr. Som Dev Mr. Sourav Sinha	Dr. Santanu Ghosh Dr. Amrita Samanta Dr. Maumita De
11:30-12:30 pm	The interlinked crisis of Pollution, Climate change, and Health	Dr. Gopala Krishna Darbha Prof. (Dr.) Tarit Roychowdhury Prof. (Dr.) Anand Krishnan	Prof. (Dr.) Kunal Kanti Majumdar Dr. Ritu Ghosh Dr. Sourav Naiya
12:30-02:00 pm	Inauguration and welcoming of delegates Prize distribution and Felicitation  Master of Ceremonies: Dr. Sarika Palepu		
02:00-02:30 pm	Lunch		
02:30-03:30 pm	Early growth faltering and its management	Dr. Ranadip Chowdhury Prof. (Dr.) Kalpana Datta Dr. Nihar Ranjan Mishra Ms. Farheen Khurshid	Prof. (Dr.) Pankaj Mandal Prof. (Dr.) Debasish Das
03:30-04.30 pm	Panel Discussion: Aligning public health education, service, and policy in an era of complexity and change.	Maj. Gen. Prof. Atul Kotwal Dr. Manish Kumar Singh Prof. (Dr.) Pradeep Kumar Prof. (Dr.) Aditi Aikat Prof. (Dr.) Kaushik Mitra Prof. (Dr.) Indira De	
04:30-05:00 pm	High Tea		
05:00 pm onwards	IAPSM Governing Body Meeting		

7 pm onwards Banquet Dinner @ Tris Planet, Kalyani





# Scientific Programme Schedule

Day 1: 22/08/2025

Venue B: Sushrut Hall			
Time	Topic	Speakers	Chairperson
10:30-11:30 am	Hypothyroidism as a public health problem	Dr. Sankar Nath Jha	Prof. (Dr.) Manidipa Roy Prof. (Dr.) Sima Roy Dr. Debasish Sinha
11:30-12:30 pm	Frontline Pioneers: Delivering Care Beyond Boundaries	Mr. Bijan Bhattacharya Mr. Karimul Hak Mr. Nirmalya Mukherjee Mr. Saurabh Ray	Prof. (Dr.) Tutul Chatterjee Prof. (Dr.) Sarmila Mallik (Jr) Prof. (Dr.) Prasanta Roy Karmakar
02:30-03:30 pm	Neglected Tropical Diseases Scenario in West Bengal: Breaking the Silence, Bridging the Gaps	Dr. Pritam Roy Dr. Tapas Kumar Roy Dr. Anand Mohan Dixit Dr. Sayantan Banerjee	Prof. (Dr.) Sukomal Bisoi Prof. (Dr.) Romy Biswas Prof. (Dr.) Tarun Sarkar
03:30-04.30 pm	HIV Status in West Bengal	Ms. Sumita Samanta Dr. Suman Ganguly	Prof. (Dr.) Sujishnu Mukhopadhyay Dr. Gandhari Basu Dr. Saumalya Roy

Venue C: Conference Hall		
Time	Topic	Judges
10:30-11:30 am	Prof. Dr. Ranadeb Biswas Memorial Poster Presentation	Prof. (Dr.) Lina Bandyopadhyay Prof. (Dr.) Tushar Kanti Mondal Prof. (Dr.) Sucharita Maji
11:30-12:30 pm	Poster Presentation- UG STS Project	Dr. Arkapal Bandyopadhyay Dr. Surajit Lahiri Dr. Aruna R.
03:30-04.30 pm	Quiz Preliminary Round Steering Head: Dr. Abhishek De	





# Scientific Programme Schedule

Day 2: 23/08/2025

Venue A: Main Auditorium			
Time	Topic	Speakers	Chairperson/ Judges
08.30 am onwards	Breakfast		
09.00-10:00 am	M.M. Ganguly Young Scientist Oral Presentation		Prof. Dibakar Haldar Prof. Sarmila Mallik (Sr) Dr. Pramit Ghosh
10:00-11:00 am	Akalanka Bhandari Best Research Proposal		Prof. (Dr.) Narendra Nath Naskar Prof. (Dr.) Indira Dey Prof. (Dr.) Subhra Samujjwal Basu
11:00-12:00 pm	Health in the Heart of Communities: Rethinking Mental Health Care	Prof. (Dr.) Naveen Kumar C Prof. (Dr.) Kaustav Chakraborty Dr. Aniruddha Basu	Prof. (Dr.) Rabindra Nath Sinha Prof. (Dr.) Kaushik Mitra Prof. (Dr.) Arup Chakraborty
12:00-12:45 pm	Enhancing NCD Continuum of Care: Strategic Roles of Primary health care Physicians in bridging Systemic Gaps	Prof. (Dr.) Binod Kumar Patro Dr. Rama Shankar Rath Dr. Ayan Roy	Prof. (Dr.) Sanjay Sadhukhan Prof. (Dr.) Pranita Taraphdar Dr. Tapobrata Guha Roy
12:45-01:30 pm	New Armamentarium in Disease Prevention: PCV20 and Advances in Immunization	Dr. Somnath Naskar Dr. Manisha Mandal	Prof. (Dr.) Binod Kumar Patro Prof. (Dr.) Gautam Dhar
01:30-02:00 pm	Ethics in Medical Education and Research	Prof. (Dr). Mausumi Basu	Prof. (Dr.) Palash Das Prof. (Dr.) Raghunath Mishra Dr. Samarendra Nath Biswas
02:00-02:30 pm	Lunch		
02:00-03:00 pm	Debate Final Round		Prof. (Dr.) Nirmalya Sinha Prof. (Dr.) Nirmalya Manna Dr. Shuvankar Mukherjee
03:00-03:30 pm	Quiz Final Round Steering Head: Dr. Abhishek De		
04:00-05:00 pm	Valedictory session		





# Scientific Programme Schedule

Day 2: 23/08/2025

Venue B: Sushrut Hall			
Time	Topic	Speakers	Chairperson/ Judges
11:00-12:00 pm	Health system strengthening using Digital health	Prof. Sudeshna Sarkar Prof. Anirban Mukhopadhyay	Dr. Anindya Mukherjee Dr. Mausumi Datta Dr. Fasihul Akbar
12:00-12:45 pm	From Risk to Resilience: Preventive Strategies in Cardiovascular and Cancer Care	Dr. Ashfaque Ahmed Dr. Shamima Yasmin Dr. Ayush Lohiya	Dr. Kalyan Kumar Paul Dr. Subhrajyoti Naskar Dr. Suman Kumar Roy
12:45-01:30 pm	Workplace Weathering: Occupational Health in a Changing Climate	Dr. Monalisha Sahu Dr. Arkaprabha Sau	Dr. Abhisek Gupta Dr. Sinjita Dutta Dr. Sanghamitra Maulik
01:30-02:00 pm	Critical Appraisal of a Journal Article - Final round		Prof. (Dr.) Nabanita Bhattacharjee Prof. (Dr.) Sharmistha Bhatteerjee Prof. (Dr.) Kuntala Roy
02:00-03:00 pm	Public Health Innovation- Final round		Prof. (Dr.) Pradeep Kumar Prof. (Dr.) Gautam Sarkar Dr. Sukanta Majumdar

Venue C: Conference Hall		
Time	Topic	Judges
11:00-12:00 pm	Free Poster Presentation for PGT/SR (From Non-Award Category & Other states)	Dr. Kalyan Goswami Dr. Aparna Palit Dr. Gautam Dhar
12:00-12:45 pm	Free Poster Presentation (Prof. M M Ganguly Memorial Award Category)	Dr. Sushmita Choudhury Dr. Kakoli Boral Dr. Kingshuk Sarkar
12:00-12:45 pm	Faculty Oral Paper Presentation	Prof. (Dr.) Aparajita Dasgupta Prof. (Dr.) Bobby Paul Prof. (Dr.) Rekha Dutt





## Secretary's Annual Report

### Annual performance report of the organization in 2024-25 FY

- The 39th Annual State Conference of IAPSM WB Chapter was held on 9<sup>th</sup> and 10<sup>th</sup> August 2024 in the auditorium of Jagannath Gupta Institute of Medical Sciences and Hospital Budge Budge. Around 300 participants including the faculties and postgraduate students of Community Medicine from West Bengal and other members of IAPSM have attended the conference. Best Research Proposal Grant initiated by Prof Akalanka Bhandari, Prof M M Ganguly award paper presentation, Prof, Ranadeb Biswas Memorial poster competition, and Post Graduate quiz was held like previous years. Senior members of IAPSM and senior & junior class assistants (CA) were also felicitated. However, a very tragic and unfortunate incident happened during our conference on 9 August 2024: a post graduate student of R G Kar Medical college was found murdered in the hospital premises. The IAPSM WB Chapter condemned this barbaric act and stood in solidarity with the victim's family and friends.
  - We organized meeting of our executive body on regular basis, meet in the annual state conference, annual general body meeting, and post festival get together each year. This year six Meetings of Executive committee was held to discuss various issues related to functioning of our organization:
    - ✓ 1<sup>st</sup> on 31 August 2024 at IPGMER
    - ✓ 2<sup>nd</sup> on 16 November 2024 at Kolkata Medical College
    - ✓ 3<sup>rd</sup> on 11 January 2025 at NRS Medical College
    - ✓ 4<sup>th</sup> on 1<sup>st</sup> March 2025 at AIIMS Kalyani in hybrid mode
    - ✓ 5<sup>th</sup> on 3<sup>rd</sup> on 24 May 2025 at IPGMER
    - ✓ 6<sup>th</sup> on 26<sup>th</sup> July 2025 at NRS Medical College
  - Our journal-Journal of Comprehensive Health has completed another year; DOAJ indexing is still in progress and we will apply for EMBASE indexing very soon. We have published articles from different parts of India.
  - A new IAPSM WBC website committee was formed lead by Dr Abhishek De.
  - Audit and renewal of IAPSM WBC has been made up to date.
  - FDs were created out of the collected amounts and IAPSM State chapter share.
  - Undergraduate medi quiz dedicated to Late Dr Saswati Nandi was conducted successfully on 25<sup>th</sup> July 2025 at IPGMER. World Health Day IAPSM undergraduate quiz was held as per National Guideline.
  - Dr Shamima Yasmin was nominated from WB chapter for reporting of activities done under the banner of IAPSM from our State for newsletter
  - Many CME/Workshops were conducted like "Orange is the new rainbow-Advanced Health Data Visuslisation workshop" on 21.6 2025 at NRSMCH organized by Dr Mousumi Dutta.
  - Many Pre conferences were held before 40<sup>th</sup> IAPSMWBCON 2025- one in ESI Med College Joka, one in Kolkata Medical College and four in AIIMS, Kalyani.
  - We have also started some activities which are in processes: like Revision of our constitution.
- Long Live IAPSM, long Live IAPSM WB Chapter.

Prof Dr Mausumi Basu  
Secretary, IAPSM WB Chapter





## Organising Team

### Patrons

**Shri Narayan Swaroop Nigam, IAS Principal Secretary, Health, West Bengal**  
**Dr. Mukul Bhattacharyya, VC, WBUHS**  
**Dr. Chita Sarkar, President, AIIMS, Kalyani**  
**Dr. Ramji Singh, Executive Director, AIIMS, Kalyani**  
**Dr. Swapan Soren, DHS, West Bengal**  
**Shri. Shubhanjan Das, Mission Director, NHM, West Bengal**  
**Dr. Indrajit Saha, DME, West Bengal**

### Advisory Committee

**Dr. A.B. Biswas, Dr. Amit Dam, Dr. Aditya Prasad Sarkar, Dr. Anima Haldar**  
**Dr. Aparajita Dasgupta, Dr. Apurba Sinha Babu, Dr. Asok Mandal**  
**Dr. Asit Soren, Dr. Baijayanti Baur, Dr. Barnali Sinha Mohapatra**  
**Dr. Bhasawati Sengupta, Dr. Biswajit Biswas, Dr. Chitra Chatterjee**  
**Dr. Debasish Dutta, Dr. Debasis Das, Dr. Dipankar Mukherjee**  
**Dr. Dipali Saha Poddar, Dr. Dipika Sur**

**Dr. D N Goswami, Dr. Goutam Ghosh, Dr. Goutam Joardar,**  
**Dr. Goutam Narayan Sarkar, Dr. Indira Dey, Dr. Jayashree Mitra**  
**Dr. J.C. Sardar, Dr. K.L. Mukherjee, Dr. Kanikabala Das,**  
**Dr. Krishna Das Bhattacharya, Dr. Lina Badipadhyay, Dr. Madhumita Dobe**  
**Dr. Nabanita Bhattacharya, Dr. N. N. Naskar, Dr. Nirmal Mondal**  
**Dr. Nitai Chandra Mondal**

**Dr. Pankaj Kumar Mondal, Dr. Prasanta Ray Karmakar, Dr. Prabha Srivastava,**  
**Dr. P.B. Halder, Dr. P.K. Sen, Dr. Rabindranath Roy, Dr. Raghunath Mishra,**  
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**Dr. Ranabir Pal, Dr. Ranjan Das, Dr. R. N Bhattacharya,**  
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23	Shri Ramkrishna Institute of Medical Sciences & Sanaka Hospital	Manasvi Patel	Sukanya Samanta





## Article

### Effects of Health Belief Model based Educational Intervention for Breast Cancer Prevention among Women of Reproductive Age Group (WRA) in Burdwan Municipality, West Bengal

**Dr. Sulagna Das**

Assistant Professor, Department of Community Medicine,  
Burdwan Medical College

**Dr. Anisha Sarkar**

Senior resident, Department of Community Medicine,  
Burdwan Medical College

#### Introduction:

Cancer is one of the leading causes of death worldwide and among all cancer deaths breast cancer is one of them. World Cancer Report 2020 stated that the most efficient intervention for breast cancer control is early detection and rapid treatment. Regular breast screening is the best way to detect early breast cancer. The goal of screening for breast cancer is to identify signs of breast cancer among all women even before the symptoms appear. Unfortunately, cancer prevention programs in India do not get enough attention despite the rising burden of the disease, its high social and economic costs, and the availability of cost-effective screening methods. According to NFHS-5 the screening for breast cancer in rural and urban areas are 0.1% and 0.2% respectively.

Women of reproductive age group who are more prone to having breast cancer, should acquire knowledge about early signs of breast cancer and the different screening methods to enhance their awareness of breast cancer and help them to initiate breast self examination (BSE) at younger ages. The health belief model (HBM)-based education is one of the earliest behaviour change models to explain human health decision-making and subsequent behavior change. Educating people (with the help of HBM model) about methods for diagnosing breast cancer at an early stage will basic knowledge about mammography, CBE and skills in how to practice BSE which will help their own health and be a role model for their patients. There is paucity of study on improving preventive behaviours in the community among women of reproductive age group (WRA) in India. With the above view the present study will be conducted to determine the effects of health education based on health belief model (HBM) on breast cancer screening and knowledge about breast cancer among the women of reproductive age group in urban slums of Burdwan Municipality, West Bengal.

#### Methodology:

The study design was a quasi-experimental single group study with pre and post educational intervention which will be done over a period of 9 months among 435 WRA in urban slums of Burdwan Municipality, West Bengal. A pre-designed, pre-tested semi-structured schedule was used for data collection after getting ethical clearance from the concerned authority. It had 3 sections like sociodemographic profile of the study subjects, knowledge about breast cancer and questions on Health belief model domains. Scoring was done and for knowledge assessment total score (range 0-6) was calculated and those scoring more than 50% of maximum attainable score was considered to have good knowledge. Scoring for HBM constructs was done too. Participants scoring more than 50% of total score was considered to have good perception about breast cancer. Intervention in the form of health education was done using local language of the participants i.e. Bengali. It was focused on major areas of deficiencies regarding epidemiology of breast cancer, risk factors, signs, symptoms, early detection of breast cancer and the BSE technique. The duration of the session was 30 mins following which post test session which was conducted after one month and six months.





# Article

## Data management and analysis:

Collected data was checked for completeness and consistency and then data was entered in Excel data sheet. Quantitative data was expressed in mean (SD). Qualitative data was expressed in proportion. Descriptive statistics was applied to organise and present the data in the form of tables and diagrams. ANOVA test was done to find out the association of breast cancer knowledge scores and HBM scores, before and after educational intervention. P value less than or equal to 0.05 was considered statistically significant. Multivariable logistic regression was done to find out the predictors for each domain of health belief model. Goodness of fit of those models were tested using Hosmer-lemeshow statistics and variability of dependent variables explained by the independent variables in the model was reported using Nagelkarke R<sup>2</sup> value. Data was analysed using Statistical Package for Social Science (SPSS) version 23.

## Result:

Among the 435 study participants, median age was 30 years (IQR=27–35). Majority (79.8%) were Hindu by religion and 67.4% lived in nuclear families. 67.8% of the study participants belonged to general category followed by 16.1% were from schedule caste. 95.4% were married, 15.0% were either separated or divorced or widow and 92.2% had  $\leq 2$  children. Among the participants only 23.2% were using contraceptives. Repeated measure ANOVA was used to compare the effectiveness of intervention (health education) over time and it was found that there was a significant improvement in scores in every domain of HBM which was statistically significant ( $p < 0.001$ ). Again multivariable logistic regression analysis was done to find out the factors that shapes the perception about breast cancer. It was found that as the age increases,  $>30$  years, odds of satisfactory perception of susceptibility score [ $aOR = 0.052 (0.020-0.132)$ ] and perceived severity score [ $aOR = 0.428 (0.229-0.797)$ ] decreases but when the age decreases  $\leq 30$  years cues to action [ $aOR = 4.731 (1.296-17.270)$ ] and perceived benefit scores [ $aOR = 10.745 (1.387-83.245)$ ] significantly increases. Significant factors associated with satisfactory perception of susceptibility was nuclear family [ $aOR = 3.099 (1.208-7.949)$ ]. Participants living in a nuclear family had 2.5 times higher chances of having unsatisfactory perceived barriers score as compared to the participants living in joint family [ $aOR = 2.626 (1.450-4.755)$ ]. Statistically significant self efficacy satisfactory score was 2.6 times higher among the participant whose family income  $> Rs.7000/-$  as compared to the other group [ $aOR = 2.684 (1.052-6.847)$ ].

## Conclusion:

This study had manifold implications. In this study, Health Belief Model was used to assess the perceptions regarding breast cancer among a very vulnerable population using health education intervention. The gaps identified can be addressed through tailored interventions to increase the awareness regarding breast cancer and its prevention.





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# Abstracts

## IAPSM(WB) GRANT FOR BEST RESEARCH PROPOSAL INITIATED BY PROF. DR. AKALANKA BHANDARI

**Title:** Effect of a Multimodal Intervention on Frailty Among Elderly in a Rural Area of Singur, West Bengal: A Quasi-Experimental Study

**Submitted by:** Dr. Rachit Harode, Junior Resident

### Background and Rationale:

Frailty is a geriatric syndrome characterized by decreased physiological reserve and increased vulnerability to adverse health outcomes like falls, hospitalization, and functional decline. It's defined by physical characteristics such as weakness, unintentional weight loss, and low physical activity. The global prevalence of frailty among community-dwelling older adults ranges from 4- 59%. In India, the elderly population is projected to reach 173 million by 2026, posing a significant public health challenge. Studies in rural India report a frailty prevalence of 23.7%. Rural elderly face unique challenges, including poor living conditions, limited healthcare access, and financial constraints, making them particularly susceptible to this syndrome. Combined diet and exercise interventions have shown promise in preventing and reversing frailty. The SPRINTT trial, a European study, demonstrated a 22% reduction in mobility disability over three years using a multicomponent intervention. Recent systematic reviews and meta-analyses consistently show that combined exercise and nutrition interventions are more effective than single-component interventions. This study addresses a significant knowledge gap by adapting evidence-based frailty interventions for implementation in a resource-constrained environment like rural India. The findings will have immediate policy relevance for India's National Programme for the Health Care of the Elderly and similar initiatives in other low- and middle-income countries.

### Study Objectives:

- \* Develop an intervention package for frailty management and an adherence checklist for the elderly using ADDIE model.
- \* Implement the intervention among the study participants.
- \* Train ASHAs (Accredited Social Health Activists) to ensure adherence to the intervention's follow-up protocol.
- \* Measure the effect of the intervention on frailty among participants.
- \* Assess the feasibility of implementing the package for relevant stakeholders.

### Methodology

The study is a community-based, quasi-experimental study with a single-group pre-test/post-test design, using an embedded mixed-methods approach. The study will be conducted in the service area of the Rural Health Unit & Training Centre, Singur, West Bengal. The study duration is 11 months. The quantitative study population consists of elderly residents aged 60 and above residing in the study setting for at least one year and screened for frailty. The sample size is 41 participants, accounting for a 20% attrition rate. The qualitative strand will involve elderly residents with frailty and ASHAs, selected using purposive sampling until data saturation is reached.

### Tools & Intervention:

Frailty will be assessed using the Fried Frailty Phenotype. The change in Frailty will be assessed by the same tool. The intervention is a six-month, culturally tailored program comprising two key components:

- Model Exercise Intervention Plan
- Model Dietary Regimen

The intervention package will be delivered by the researcher, while ASHAs will handle the follow-up checklist to monitor and support adherence.

### Expected Outcomes and Implications:

This study will provide crucial evidence on the effectiveness and feasibility of a low-cost, community-based intervention for frailty in rural India. The results can serve as a scalable model for other resource-constrained environments in India and other low- and middle-income countries (LMICs). Effective frailty interventions may reduce healthcare costs by preventing disability and hospitalizations, offering significant economic advantages.





# Abstracts

## IAPSM(WB) GRANT FOR BEST RESEARCH PROPOSAL INITIATED BY PROF. DR. AKALANKA BHANDARI

**Title:** Awareness, Utilisation and Willingness to Pay Under Swasthya Sathi Scheme in a Rural Setting of West Bengal: A Community-Based Mixed Methods Study

Submitted by: Dr. Saimi Bhattacharyya, Dr. Santanu Ghosh

### Background:

The Swasthya Sathi Scheme, launched in December 2016 by the Government of West Bengal, provides cashless, paperless health insurance coverage of ₹5 lakh per family. The smart card, issued in the name of the eldest woman in the family, covers all pre-existing diseases and is accepted at empanelled public and private hospitals. Despite extensive enrolment (>2.4 crore families, 95 lakh hospitalisations by May 2025), gaps in awareness, utilisation, and satisfaction persist. Willingness to Pay (WTP) for additional services—such as OPD coverage, diagnostics, and medicinal supports, which are not included under the scheme—remains under-explored in similar study settings of West Bengal.

### Objectives:

1. To assess the level of awareness regarding the Swasthya Sathi scheme among the heads of the families/responsible adult family members in a rural community of West Bengal
2. To find out the utilisation pattern of health services under the scheme among the respondents
3. To explore the perceived barriers to the utilization of the scheme among the respondents
4. To estimate the Willingness to Pay (WTP) of the respondents for the inclusion of additional health services
5. To identify association, if any, between socio-demographic factors and the utilisation pattern of the scheme among the respondents
6. To find out the association, if any, between socio-demographic factors and Willingness to Pay (WTP) values for the inclusion of additional benefits among the respondents

### Methods:

A community-based, cross-sectional study with a concurrent mixed-methods approach will be conducted in the Bandipur Block Primary Health Centre area (Barrackpore II Block, North 24 Parganas, West Bengal). Data will be collected from 161 families via multistage sampling using a validated, pre-designed, pre-tested, structured questionnaire on socio-demographics, awareness, utilisation, and WTP. The qualitative component will involve 10 in-depth interviews (by stratified purposive sampling) via an IDI guide with beneficiaries until data saturation. WTP exercise will be hypothetically done by the contingent valuation method (bidding game). Quantitative data will be analysed in Jamovi software version 2.6.26 using descriptive statistics, Chi-square/Fisher's exact tests, correlation, and logistic/Tobit regression. Qualitative data will undergo thematic analysis (Braun & Clarke framework).

### Ethical Aspects:

The study will secure TAC and IEC approvals, obtain informed consent, clarify hypothetical WTP with no actual financial transactions, and strictly ensure confidentiality and anonymity, while adhering to ethical standards of descriptive epidemiological research throughout the study.

### Expected Outcomes:

The study will provide estimates of awareness, utilisation, and barriers, and quantify WTP for additional services under the scheme. Findings will help to introduce new services under health schemes and will benefit the communities as well. It would be a way for policy refinements under the government and would enhance their investments in health in West Bengal.

**Keywords:** Awareness, Health Insurance, Mixed Methods, Perceived Barriers, Swasthya Sathi Scheme, Utilisation Patterns, Willingness to Pay





## Abstracts

### IAPSM(WB) GRANT FOR BEST RESEARCH PROPOSAL (INITIATED BY PROF. DR. AKALANKA BHANDARI)

**Title:** Evaluating the Outcomes of an HIV/AIDS Awareness Program Among School Teachers in Rural West Bengal: A Mixed-Method Quasi-Experimental Study”

Submitted by: Dr. Prabuddha Goswami, JR I

#### Background:

Despite national declines in HIV prevalence in India, rural areas in states like West Bengal face unique vulnerabilities due to lower literacy, specific migration patterns, and limited healthcare access. School teachers are pivotal community influencers, positioned to disseminate crucial health information. This study aims to evaluate the effectiveness of a structured HIV/AIDS awareness program for school teachers in rural West Bengal, leveraging their potential as agents of change.

#### Objectives:

The primary objective is to assess the impact of an educational intervention on school teachers’ knowledge, attitudes, and stigma-related perceptions regarding HIV/AIDS. The study also aims to explore teachers’ perceptions of their role in HIV/AIDS awareness and identify barriers and facilitators to disseminating this knowledge.

#### Methods:

A mixed-method, single-group, pre-post quasi-experimental study will be conducted in four government secondary schools in the Budge Budge II Block. Approximately 200 teachers will participate in the quantitative arm, completing pre- and post-intervention surveys using validated HIV Knowledge and Stigma Scales. For the qualitative component, 8-12 teachers from each school will participate in Focus Group Discussions to explore their experiences and perceptions. The intervention will consist of a structured awareness module delivered over two months.

#### Results:

Analysis of quantitative and qualitative data is projected to demonstrate the program’s impact on improving knowledge and fostering more positive attitudes and reduced stigma towards HIV/AIDS among teachers.

**Conclusion:** This study will highlight the viability of school-based interventions to enhance HIV/AIDS awareness in rural communities. Empowering teachers with accurate information can effectively reduce stigma and build a supportive environment for HIV prevention and care.

**Keywords:** HIV/AIDS, Health Education, Teacher Training, Stigma, Rural Health, Mixed-Methods, West Bengal





## Abstracts

### ABSTRACT SELECTED FOR PROF. M M GANGULY MEMORIAL AWARD FOR YOUNG SCIENTISTS

**TITLE:** COMPARING DIAGNOSTIC ACCURACY OF CHATGPT AND MBBS INTERNS USING SIMULATED CLINICAL VIGNETTES: A EXPERIMENTAL STUDY FOR AI INTEGRATION IN MEDICAL EDUCATION.

**Submitted by:** Dr. Shuvro Bhattacharya, Post Graduate Trainee

#### Background:

Artificial Intelligence (AI), particularly large language models such as ChatGPT-4, is being increasingly incorporated into healthcare education and diagnostics. Currently, there is limited information regarding how ChatGPT's diagnostic accuracy compares with that of Indian MBBS interns when both are presented with standardized clinical scenarios and ethical dilemmas.

#### Objective:

To assess and compare the diagnostic performance, time efficiency, confidence, and ethical reasoning of ChatGPT-4 versus MBBS interns using validated clinical vignettes.

**Methods:** This comparative experimental study involved 200 MBBS interns at Calcutta National Medical College. Participants completed twenty structured clinical vignettes and ten scenarios assessing ethical or logical judgment. Data collected included diagnostic accuracy, time spent per case, confidence levels, and logical judgment scores. ChatGPT-4 was presented with the same vignettes for comparison. Statistical analyses were performed using t-tests, correlation, Cohen's Kappa, and logistic regression via SPSS 27.0.

#### Results:

ChatGPT-4 showed higher diagnostic accuracy (85%) and faster completion times (1.2 vs 3.25 minutes) than MBBS interns (mean accuracy = 69.85%). While ChatGPT had perfect agreement with experts ( $\kappa = 1.0$ ), interns' agreement was minimal ( $\kappa = 0.016$ ). Interns scored higher in ethical reasoning (13.12/20 vs 8/20), and confidence was the only significant predictor of diagnostic accuracy.

#### Conclusion:

ChatGPT-4 demonstrates higher diagnostic speed and accuracy compared to MBBS interns but shows limitations in ethical reasoning and contextual judgment. Incorporating AI into medical education as a diagnostic tool, rather than replacing human clinicians, represents an approach that could support the development of both cognitive and affective skills.





## Abstracts

### ABSTRACT SELECTED FOR PROF. M M GANGULY MEMORIAL AWARD FOR YOUNG SCIENTISTS

**TITLE:** QUALITY OF ANTENATAL CARE AND IMMUNIZATION SERVICES DURING VILLAGE HEALTH SANITATION AND NUTRITION DAY IN A COMMUNITY DEVELOPMENT BLOCK IN WEST BENGAL

**Submitted by:** Dr. Md Tariful Islam Laskar, Post Graduate Trainee

#### Background:

Village Health Sanitation and Nutrition Day (VHSND) is a critical platform under the National Health Mission (NHM) to deliver essential maternal and child health services in rural India. However, the quality of service delivery during these sessions remains a concern. Understanding the quality care services and there indicators is crucial for targeted intervention strategies.

#### Objectives:

- 1) To assess the quality of antenatal care services during village health sanitation and nutrition day among pregnant females in a community development block of North 24 Parganas District, West Bengal, India.
- 2) To assess the quality of immunization services of children aged less than five years during village health sanitation and nutrition day in the study area.

#### Methods:

A community-based cross-sectional observational study was conducted on 64 antenatal pregnant women and 64 children aged less than five years across the ten VHSND sessions. Data were collected using structured observation checklists and beneficiary interviews. Quality indicators for ANC and immunization were assessed based on national guidelines. Descriptive statistics and inferential analyses, including chi-square and Fisher's exact tests, were used to explore associations between quality service receipt and background characteristics.

#### Results:

Quality ANC services were received by 42.2% of pregnant women, with highest coverage among those in the second trimester (65.0%). Key ANC procedures such as blood pressure, hemoglobin, and abdominal examinations were inconsistently performed during the first trimester. For immunization services, 45.3% of children under five received all components of quality care. While MCP/RI card updating and correct sequence of vaccination were widely followed, safe injection practices and biomedical waste management were suboptimal. A significant association was found between quality ANC and gestational age ( $p=0.026$ ), and between quality immunization and age of the child ( $p=0.002$ ), while other socio demographic variables showed no statistically significant association.





## Abstracts

### ABSTRACT SELECTED FOR PROF. M M GANGULY MEMORIAL AWARD FOR YOUNG SCIENTISTS

**TITLE:** ASSESSMENT OF MENSTRUAL HEALTH SCHEME AND ANWESHA CLINIC/AFHC COMPONENT OF RASHTRIYA KISHOR SWASTHYA KARYAKRAM (RKSK) IN BARRACKPORE II COMMUNITY DEVELOPMENT BLOCK OF NORTH 24 PARGANAS, WEST BENGAL: A CROSS-SECTIONAL STUDY"

**Submitted by:** Dr. Khullakpam Aashif Iqbal, Post Graduate Trainee

#### Background:

Adolescence represents a critical developmental phase with unique health needs. The Rashtriya Kishor Swasthya Karyakram (RKSK), launched in 2014, aims to address these needs through facility-based services such as the Anwasha Clinics/Adolescent Friendly Health Clinics (AFHCs) and community-based interventions like the Menstrual Hygiene Scheme. Evaluating the implementation of these components provides insights into their effectiveness in rural West Bengal.

#### Objectives:

1. To assess the functioning of Menstrual Health Scheme component of RKSK in Barrackpore II Community Development Block.
2. To find out the functioning of Facility based services of Anwasha Clinic/Adolescent Friendly Health Clinic in Barrackpore II Community Development Block.

#### Methods:

A community-based cross-sectional study was conducted from January to March 2025 among 50 Accredited Social Health Activists (ASHAs) and 250 adolescent girls selected through systematic random sampling. Data collection involved supportive supervision checklists, observation, and face-to-face interviews. Quantitative data were analysed using Jamovi software, employing descriptive and inferential statistics including Chi-square tests.

#### Results:

Only 52% of adolescent girls were aware of the Menstrual Hygiene Scheme (MHS), primarily through ASHAs. Availability of sanitary napkins was reported in 84% of sub-centres, though irregular supply and incentive-related issues for ASHAs were noted. A significant association was observed between educational status and MHS awareness ( $p=0.04$ ), and between dedicated space availability and satisfactory MHS implementation ( $p=0.002$ ). At the AFHCs, 90% of adolescent clients expressed satisfaction with services, though gaps were identified in counselling services.

#### Conclusion:

The study highlights gaps in awareness, inefficient plans and supply chain mechanisms affecting MHS and AFHC performance. Strengthening the plans, ensuring uninterrupted supply chains, and enhancing community engagement through ASHAs are critical for improving RKSK implementation. Periodic supportive supervision and robust monitoring are essential to achieve RKSK's objectives and sustainably improve adolescent health indicators.





## Abstracts

### ABSTRACT SELECTED FOR PROF. M M GANGULY MEMORIAL AWARD FOR YOUNG SCIENTISTS

**TITLE:** Beyond Google Diagnoses: A cross sectional study on Cyberchondriasis and Anxiety in college going students

**Submitted by:** Dr. Sayan Das, Post Graduate Trainee

#### Introduction:

Given the high availability of internet access and smartphone use among college students, health-seeking behaviours are changing rapidly with instant interpretation of symptoms and self-care; however, frequent unregulated online medical searches can lead to cyberchondriasis (health-related anxiety resulting from excessive symptom checking on the Internet).

#### Objectives:

To determine the prevalence of cyberchondriasis—using the CSS-12—among college students in Siliguri, to examine its association with generalized anxiety (GAD-7), and to identify key sociodemographic and behavioural factors that predict heightened cyberchondriasis.

#### Methodology:

A descriptive, cross-sectional survey was conducted from April to May 2025 among 220 undergraduate and postgraduate students in Siliguri. Data were collected using a pretested self-administered questionnaire consisting of (1) sociodemographics and internet usage patterns, (2) CSS-12, and (3) GAD-7. Ethical issues included written informed consent and ethical approval from the Institutional Ethics Committee. Data were analyzed using Jamovi: descriptive statistics described the sample; Pearson's correlation examined the relationship between CSS-12 and GAD-7; logistic regression determined independent predictors of cyberchondria ( $p < 0.05$ ).

#### Results:

Cyberchondriasis was noted in 25.9% of students. There was a moderate positive correlation between CSS-12 and GAD-7 scores ( $r = 0.362$ ,  $p < 0.001$ ). Generalized anxiety was the strongest predictor: mild anxiety (AOR 2.71, 95% CI: 1.06–6.89), moderate anxiety (AOR 7.27), and severe anxiety (AOR 4.89) were associated with higher odds of cyberchondria. No significant associations were found for age, gender, course or internet access.

#### Conclusion:

These results highlight the importance of college-based mental health screening, as well as monitoring excessive online health-seeking behaviour, with collaboration between colleges. Collaboration between educational institutions and public health authorities might result in leading to specific curriculum on digital literacy.





# Abstracts

## FREE ORAL PODIUM PRESENTATION

S.No.	Name	Institute	Title
1	Dr. Anindita Mondal	IPGMER	A Longitudinal Study on Outcomes of High-Risk Pregnancies Registered under the Pradhan Mantri Surakshit Matritva Abhiyan (PMSMA) in a Block of West Bengal
2	Dr. Debarati Dutta	CMSDH	Mental Health of Rural Adolescents in the Digital Age: Role of Social Media Use and Perceived Social Support in West Bengal
3	Dr. Piush Pandey	IQ City	Social Media Usage, Loneliness and Fear of Missing Out among Medical Students of a Medical College in West Bengal: a Cross-sectional Study
4	Dr. Tapapriya Moitra	ESI, Joka	Assessment of post-Operative Change in vision function among patients with cataract in a Tertiary Care Hospital in Kolkata – A Longitudinal Study
5	Dr. Sumit Saha	NBMC	Effectiveness of community-based educational intervention on knowledge and practice of First aid among mothers of a tea garden, Darjeeling
6	Dr. Prabuddha Goswami	IPGMER	Physical Activity, It's Facilitators and Barriers: A Comparative Study among Homemakers from selected urban and rural areas of West Bengal
7	Dr. Sayantani Bhunia	IPGMER	A cross-sectional study on chronic pain and its related factors among the adult residents of selected slums of Kolkata

## FREE POSTER PRESENTATION

S.No.	Name	Institute	Title
8	Superno Kanti Halder	AIHHPH	A Cross-Sectional Study on Emotional Intelligence and its Associated Factors among Late Adolescent Students of Selected Schools of Singur Block, Hooghly District
9	Sharli Biswas	BMCH	Assessment of Functional Ability and its Determinants among Elderly in Rural Areas of Purba Bardhaman District, West Bengal
10	Puja Sinha Mahapatra	BMCH	A study of Knowledge, Practices and determinants of contraception among reproductive age group females of Bhatar block, Purba Bardhaman
11	Victor Saha	BMCH	Assessment of Non-Communicable Disease services rollout in Health and Wellness Centres in a rural area of West Bengal: A Qualitative study
12	Sahanur Mondal	BSMC	Assessment of Health Promotion Practices among Pregnant Women Attending Antenatal Clinic at a Rural Hospital in Bankura, West Bengal
13	Bhola Nath Biswas	IGIMS, Patna	Awareness and Utilization of Maternal Health Services Among Women of Reproductive Age at the Rural Field Practice Area of IGIMS, Patna
14	Pialy Sarkar	RGKMC	Three Years' Patterns and Trends of Tuberculosis in a District of West Bengal





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S.No.	Name	Institute	Title
15	Subhadip Biswas	RGKMC	Demography and Burden of Dengue in an endemic district of West Bengal from 2023-2024
16	Kirtesh Tiwari	AIHPH	Use of Food Delivery Apps and its Perceived Effects among Students of a Post-Graduate Public Health Institute in Kolkata
17	Sarmistha Chakrabarti	COM&J NM	Changing patterns in vector borne diseases in a community development block of Nadia district- A Time Trend Analysis
18	Sudip Garai	AIHPH	A Cross-sectional Study on Respiratory Morbidity and Musculoskeletal Disorders among Construction Workers in Purba Bardhaman District, West Bengal
19	Soumya Ranjan Majhi	RGKMC	Knowledge and Attitude Regarding Gender Inclusivity Among Medical Undergraduates in a Tertiary Medical College of Kolkata
20	Payel Roy	AIIMS Bhubaneswar	Challenges in Medical Research: An Insight from Researchers in India
21	Narayanasinghkaladi Mathavan	Osmania MC	A Cross-sectional study to determine the health-seeking behaviour and healthcare utilisation in rural field practice area of Osmania medical college,Hyderabad.
22	Tamalika Das	AIHPH	A study on mental health status and its associates among community healthcare workers in a rural block of West Bengal
23	Paluchuri Jesse Enoch	Osmania MC	Time Trend Analysis of Vector-Borne Diseases in an Urban Area of Hyderabad, Telangana: A 3-year (2023-2025)Retrospective Study
24	Sandra Sebastian	Osmania MC	A Study on Association between Indoor Air Pollution and Cognitive Impairment among Elderly Women (50 years and above) in Rural Hyderabad.
25	Nima Dolma Sherpa	SMIMS	A Cross-Sectional Study To Assess The Health Status And Its associated factors among The street sweepers Of Gangtok Municipal Corporation.
26	Shiwani Gurung	SMIMS	A community-based study to assess sleep quality among the geriatric population of an urban community in Sikkim.
27	Atmudi Vijay Sai Krishna	Osmania MC	Evaluation of NP-NCD in rural field practice area of a medical college in Hyderabad
28	Jillapegu Isaac Newton	Osmania MC	To Measure the Proportion of Individuals Using the Internet for Health-related Purposes in the Field Practice Area.
29	Erraboina Manisha Kumari	Osmania MC	A cross-sectional study on Assessment of immunization completion and its determinants among under 5 years of age in rural field practice area of Osmania Medical College,Hyderabad.



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S.No.	Name	Institute	Title
30	Arindam Chatterjee	AIHPH	Study on Cognitive Impairment and Associated Factors among Diabetic Patients in an Urban Primary Health Centre of West Bengal
31	Mahima	Patna MCH	Status and Factors of Menstrual Knowledge, Attitudes, Behaviours and Their Correlation with Psychological Stress among Students of PMCH, Patna
32	Chandrika Das	AIIMS Kalyani	Assessment of Sleep Quality and Mental Health among Nursing Officers in a Tertiary Care Centre of Eastern India
33	Ravi Tiwari	RGKMC	AI in the Study Hall: Usage Patterns and Ethical Concerns of AI Tools like ChatGPT among Medical Postgraduates
34	Abdur Rob Sk	RGKMC	Exploring the Uses of Mobile-Based AI Applications for the Prevention of Non-Communicable Diseases in Undergraduate Medical Students of a Teaching Hospital in Kolkata

## PROF. RANADEB BISWAS MEMORIAL POSTER PRESENTATION

S.No.	Name	Institute	Title
35	Soumik Ghosh	AIIMS Deoghar	Challenges in implementation of OSCE/OSPE in MBBS curriculum: A Qualitative Inquiry
36	Jyotika Singh	AIHPH	Resilience in the Margins: Insights from a Mixed Methods Study Among Women of Reproductive Age in a Slum of Kolkata
37	Shilpa Nasreen	AIHPH	ASSESSMENT OF NUTRITIONAL STATUS OF UNDER-5 CHILDREN IN AN URBAN SLUM OF KOLKATA
38	Taulik Goswami	AIHPH	Sleep Quality and it's Associated Factors among Information Technology professionals Working in Newtown West Bengal: A Cross-sectional Study
39	Sumit Saha	NBMC	Awareness of occupational hazards and safety practices among pottery workers in Siliguri Municipal Corporation, Darjeeling
40	Shalini Pattanayak	CNMC	Two Sides of the Stretcher': A Mixed-methods Study Exploring Satisfaction of Patients and Healthcare Providers Towards Trauma Care Services in a Tertiary Care Institute, Kolkata
41	Soumik Ghosh	AIIMS Deoghar	Challenges in implementation of OSCE/OSPE in MBBS curriculum: A Qualitative Inquiry
42	Anirban Mondal	IQ City	Prevalence and associated factors of Musculoskeletal discomfort among Security Personnel in a Medical College of West Bengal: A Cross-Sectional Study
43	Suvankar Banerjee	IPGMER	Depression and it's associated factors among primary caregiver of stroke survivors in a tertiary care hospital in Kolkata,A cross- sectional study





## Abstracts

S.No.	Name	Institute	Title
44	Dolon adhikary	MCK	A STUDY ON KNOWLEDGE, ATTITUDE REGARDING MENSTRUATION AND MENSTRUAL HYGIENE PRACTICES AMONG THE ADOLESCENT GIRLS RESIDING IN A SLUM OF KOLKATA
45	Arun Guru	AIHPH	A Cross-sectional Study on Respiratory Morbidities among Fireworks Industry Workers in Sivakasi, Tamil Nadu
46	Sutanuka Saha	IQ City	
47	Vighnesh Devulapalli	NBMC	How does dietary diversity impact anemia in tribal geriatric tea garden population? Observation from the Himalayan foothills
48	Mega Nathan	AIHPH	A Study on Respiratory Health and its Determinants among Unorganised Power Loom Industry Workers, Tamil Nadu, India
49	Saurav Basu	ESI, Joka	Bridging the Care Gap: Unpacking Self-Care Practices and Medication Adherence Among Older Indians with Diabetes and Hypertension – cross-sectional analysis from Longitudinal Aging Study of India
50	Sayantan Mukhuty	IPGMER	Urinary Tract Infection and Its Risk Factors Among Immediate Postpartum Mothers Admitted In A Tertiary Care Hospital of Kolkata
51	Swarnava Sarkar	IQ City	Diagnostic Ability of Neck Circumference in Metabolic Syndrome Among Adults Attending a Diabetic Clinic in Durgapur, West Bengal: A Cross-sectional Study
52	Ashutosh Vivek	MMCH	Antibiotic prescribing pattern among under five children with acute respiratory infection attending urban primary health centres of Berhampore municipality: A Cross- Sectional study
53	Alisha Sultana	NBMC	Anxiety and Depression Among Inpatients at a Tertiary Care Hospital: A Cross-Sectional Study Using the Hospital Anxiety and Depression
54	Aditi Sur	SCCGMC	Exploring Solastalgia and Its Impact on Quality of Life among Residents of the Climate-Vulnerable Sundarbans, India: A Qualitative Study
55	Rajarshi Das	MMCH	Domestic accidents among Tribal adults in a block of Murshidabad District, West Bengal- A Cross- Sectional study
56	Subhosri Saha	IPGMER	A cross-sectional study on pattern and risk factors of retinal diseases among patients attending ophthalmology OPD of a tertiary care hospital, Kolkata
57	Akash Dasgupta	KPCMC	Development and Validation of a life-skill score card for adolescents at selected schools of Kolkata, West Bengal: A Mixed-methods Study
58	Avijit Dey	BSMC	Validation and Reliability Assessment of Bengali Translated Hill-Bone Medication Adherence Scale among Diabetic Patients in a Tertiary Care Hospital in Eastern India
59	Rivam Sarkar	NBMC	Exploring Puerperal Women's Perceptions of Respectful Maternity Care in a Community Setting of Siliguri, West Bengal





Abstracts

S.No.	Name	Institute	Title
60	Tayani Pal	CNMC	Guarding Against the Silent Threat: HPV Awareness in White Coats – A Cross-Sectional Study Among Interns of Calcutta National Medical College and Hospital
61	Prianku Jana	NBMC	Living Beyond the Diagnosis: A Cross-Sectional Assessment of Quality of Life Among Cancer Patients in Darjeeling District, West Bengal
62	Kaustav Sarkar	MMCH	Transfusion practices and utilization of blood and blood components in a tertiary care facility of Murshidabad District of West Bengal- A Cross-Sectional Study
63	Rajiv Ranjan	IQ City	A Study on Knowledge and Practice Regarding Household Food Safety Among Women Residing in a Rural Area of Hooghly District, West Bengal.
64	Amlan Sarkar	AIHHPH	A Study on Mental Health and Its Associates with Special Emphasis on Participation in Sports among Adolescents in a Higher Secondary School of Rural Bengal
65	Arnab Bag	AIHHPH	Climate Change Distress among Elderly Residents of Selected Villages of Ganga Sagar Island, West Bengal
66	Megha Jagadish	AIIMS Kalyani	Assessment of prevalence, risk factors and effects of PCOS among college going students aged 17-25 years of Kalyani, WB : a cross sectional analytical study
67	Shuvro Bhattacharya	CNMC	The Acceptance Shield: A Mixed-Methods Study of How Disease Acceptance Mitigates Nocebo Effects in Chronic Pain
68	Shuvajit Roy	SSCGMC	Body Image. Dysmorphia and it's Associates among Adult Male Bodybuilders in the Gymnasiums of an Urban Area of Kolkata
69	Vishnu Kumar Gupta	RGKMC	Pre-hospital care received, symptoms perceived and outcome of patients diagnosed with ST Elevation Myocardial Infarction in a tertiary care hospital in Kolkata.

FACULTY ORAL PAPER PRESENTATION

S.No.	Name	Institute	Title
70	Dr. Soumit Roy	IQ City	A Cross-sectional Study on Eating Behaviour and Nutritional Status of Indian Medical Graduates Studying in a Medical College of West Bengal
71	Dr. Debjit Chakraborty	ICMR-NIRBI	Determinants of antibiotic prescriptions in suspected urinary tract infection cases attending primary and secondary care hospitals in South 24 Pargana District, West Bengal





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