

## DEPARTMENT OF STATISTICS

This department was established in 1945 and is one of India's earliest centres dedicated to biostatistics, public health research, and evidence-based policy support. Originating from the former Section of Vital Statistics and Epidemiology, the Department has evolved into a centre for statistical training, research, and health data analysis, including the launch of the Diploma in Health Statistics (DHS) course in 1966. Its mission is to ensure that the health policies are guided by accurate, comprehensive, and high-quality statistical evidence. It provides essential statistical support to all postgraduate programmes, conducts surveys and special studies, and also serves as the Institute's Financial Management, IT Wing, managing digital infrastructure, connectivity, and website services. Through its integrated role in academics, research, administration and technology, the Department continues to strengthen the Institution's as well as Nation's public health systems with accurate, high-quality data and analysis.

### *Mission of the department*

To develop competent public health workforce through educating evidence-based decision-making applying statistics.

### *Brief about activities conducted by the department*

The department conducts a regular course, Diploma in Health Statistics (DHS) with intake capacity 10 and 1-year duration which is recognised by WBUHS, Kolkata. The faculty members also take regular classes related to Statistics for the courses conducted by other Departments of the Institute.

- The department conducts various short courses and training related to statistical methods and data handling packages viz. Excel, Access, SPSS, JAMOVI, etc. for the students of this institute and other medical researchers from outside.
- Additionally, the department organizes classes on Statistics (theory & practical) to students of other Institutions viz. M.Sc. Nursing students of College of Nursing, Kolkata Medical College & R. G. Kar Medical College, Kolkata.
- Other than the academic activities, the department supervises all IT related infrastructural and maintenance work, training on IT related matters, website maintenance and uploading of materials, monitoring and management of Computer Network (LAN), computer lab etc.
- No. of Short Trainings conducted: 13, Total No. of participants for all training: 197
- No. of outreach awareness programs/observation activities conducted: 01, No of participants - 204
- No of Academic visits: 01, No. of participants – 25
- No. of external research project conducted - 01
- No. dissertation and short studies conducted – 05
- No. of Internship Programme – 02, No. of participants - 7
- No of Articles published – 01

## *List of Faculty Members*

Photo	Name & Designation	Area of expertise	e-mail
	Shri Ranjit K. Tiwary, Director-Professor & Head	Administration & Management, Large Scale Field Survey Admin., Data Processing, etc.	ranjit.k.tiwary@gmail.com
	Shri Rajiv Priyadarshi Professor	Administration, Large Scale Field Survey Admin.,	rajiv.priyadarshi@nic.in
	Shri Subhrajit Sarkar Senior Statistical Officer	Large Scale Sample Survey, Expertise in Statistical Packages like Excel, SPSS, Jamovi, and IT etc.	ssarkar.aiihph@gov.in
	Shri Subrata Majumder Senior Statistical Officer	Large Scale Sample Survey, Survey Methodology, Statistical Applications, Admin. etc.	subrata.m@gov.in
	Dr. Shampa Mukherjee (Kundu) Senior Statistical Officer	Large Scale Sample Survey, Survey Methodology, Statistical Appl. etc.	shampa_kundu@yahoo.co.in
	Shri Subhojit Ghosh Senior Statistical Officer	Large Scale Sample Survey, Survey Methodology, Statistical Appl., etc.	subhojit.ghosh@gov.in

## *Incumbency position of other staff*

Sl. No.	Designation	Total no. of posts	Vacant posts
1.	EDP Staff	6	4
2.	Stenographer	1	0
3.	MTS	2	0

## *Conference/Seminar/Workshop/Trainings attended or participated*

Sl.	Name of faculty	Name of the event and place	Role
1.	Sh. R.K. Tiwary, Director-Professor	Strategic Workshop on Workers' Safety and Health in Changing Climate on 09 -10 Oct' 2025 involving OH specialists, AIIMS (G), IIT (Indore). National level workshop in collaboration with NCDC and Industries	Co-ordinator for one team
2.	Sh. Rajiv Priyadarshi	Workshop on "Data Analytics using 'R'" during 25-29 Aug' 2025 consisting of 25 participants at NCDC Delhi, faculties from SafetyNet.	Participant
3.	Sh. Rajiv Priyadarshi	Training on "Stress Management /Work Beyond Stress" during 25 – 29 Aug; 2025 at Art of Living International Centre, Bengaluru consisting of 22 participants, hosted by MoSPI	Participant
4.	Sh. Rajiv Priyadarshi	Training on "R Python (online)" during 18 Aug – 24 Oct 2025, Class Room mode during 3-14 Nov 2025 at ISI Delhi hosted by MoSPI consisting of 25 participants	Participant
5.	Smt. Rekha Nady, Stenographer	Training programme on "Sexual Harassment in Work Place" on 11.02.25 at INGAF, Regional Training Centre, Govt. of India, Kolkata	Participant
6.	Sh. S. Sarkar & Sh. S. Majumder	Training on Application of Remote Sensing & GIS Technology and its application for disaster Management during 27-31 Oct' 2025 at Indian Institute of Remote Sensing, ISRO Dehradun, GoI.	Participant
7.	Sh. S. Sarker & Sh. S. Ghosh	Research Methodology Workshop on 08 May 2025	Faculty
8.	All Officials	Rashtriya Karmayogi Workshop during 22-29 Aug 2025 attended all officials of the department on 28-08-2025.	Participant
9.	Dr. S. Mukherjee (Kundu), SSO	Training on "Sexual Harassment in Workplace on 11 Feb' 2025 conducted at INGAF	Participant
10.	Sh. S. Ghosh, SSO & Sh. S. Majumder, SSO	Roll out of e-bill on EIS model for training of DDOs, 26 May, 2025, conducted at INGAF	Participant

## *List of Publication*

Sl.	Publication- in Vancouver style	Authors
1	Double Burden of Malnutrition among Mother-Child Dyads in a Rural Area of West Bengal, India: A Comprehensive Analysis of Contributing Factors – Kathmandu Univ Med J. Online First, VOL. 23  NO.2   ISSUE 90   April to June 2025, Page 62-67.	Sengupta T, Mallick AK, Sahu M, Sarkar S.

### *Dissertation research/ Short study*

Sl.	Title of dissertation/ short study	Name of students	Guide/Co- guide
1	A cross – sectional Analytical Study on Prevalence of Anaemia at Reproductive Age-group in India: In Perspective of Sex and Region	Swati Mondal, MSc. In Statistics (Aliah University)	Prof. Rajiv Priyadarshi & Dr. Shampa Mukherjee (Kundu)
2	A Study on the use of Family Planning Methods in India with Special Emphasis on the Districts of West Bengal	Mr. Somak Bhattacharya	Prof. Rajiv Priyadarshi & Sh. Subhojit Ghosh
3	A Study on the Trends and Determinants of Infant Mortality in the Rural and Urban Areas of States in India”	Ms. Fasna T.	Prof. Rajiv Priyadarshi & Dr. Shampa Mukherjee (Kundu)
4	“Determinants of Child Immunization in the district of India & Immunization Status in West Bengal: A Comparative Study Based on NFHS-5”	Mr. Shyamsundar Maity	Prof. Rajiv Priyadarshi & Sh. Subhrajit Sarkar, SSO

### *List of training programs*

Sl	Title of Training	Co-ordinator	No. of Participants
1	Data Analysing using Jamovi during 28 Mar’ to 02 Apr’ 2025 for MD(PSM) for Core Course Students	Sh. R.K. Tiwary, Dir-Prof. Sh. S. Sarkar Sh. S. Ghosh	18
2	Introduction of Jamovi for data analysis during 15– 16 May’ 2025 (National level candidates)	Sh. R.K. Tiwary, Dir-Prof. Sh. S. Sarkar, SSO Sh. S. Ghosh, SSO	12
3	Phase-I National Internship in Official Statistics (NIOS), MoSPI 2025 during 26 May to 01 Sep’ 2025	Sh. Rajiv Priyadarshi	04
4	Bio Statistics classes for M.Sc. Nursing students of RG Kar Medical College & Hospital and Medical College & Hospital, Kolkata during 12 Jun to 14 Aug 2025.	Sh. Rajiv Priyadarshi Sh. S. Sarkar Sh. S. Ghosh	40
5	Research Methodology Workshop on 08 May 2025	Sh. S. Sarker & Sh. S. Ghosh	18
6	Basic Excel in Bio-Medical Research (National level) during 21 – 22 Aug 2025	Sh. R.K. Tiwary, & Sh. S. Sarker	09
7	Statistical Analysis using Jamovi Software for MD (CM, Core Course) on 09 Sep 2025	Sh. S. Sarker & Sh. S. Ghosh	21

Sl	Title of Training	Co-ordinator	No. of Participants
8	I-FETP (Cohort I), 1st Contact Session (8-13 Sep'2025) on Excell & Jamovi during 10 Sep – 11 Sep 2025 hosted by CDS (USA), NCDC, Epid, Participated by many states.	Sh. S. Sarkar Sh. S. Ghosh	11
9	Intermediate Field Epidemiology Training Programme (Cohort 1) Contact Session on 12 Nov' 2025 organised by CDS (USA) & NCDC Epidemiology Participants from many states for Bio-Statistics,	Prof. R.K Tiwary	11
10	Intermediate Field Epidemiology Training Programme (Cohort 1) Contact Session on 12 Nov' 2025 organised by CDS (USA) & NCDC Epidemiology Participants from many states for Sampling, Sample size calculation	Prof. R.K Tiwary	11
11	I-FETP (Cohort I), 2nd contact session on Jamovi during 12 Nov' 2025 hosted by NCDC, Epid, Participated by many states.	Sh. S. Sarkar	11
12	Statistical Analysis using Jamovi Software for MD (CM) Course on 19 Nov' 2025	Sh. S. Sarkar Sh. S. Ghosh	21
13	A 1-day Workshop on “Advance Jamovi for Data Analysis” was conducted on 17 Nov 25 for MD Students at Computer Laboratory, Main Campus.	Shri Subhojit Ghosh	10

### *New initiatives*

The computer laboratory (Room No. 410) of AIIH & PH was expanded with addition of 6 more computers with updated cyber protection. Ergonomic chairs were placed for improving participants' comfort. New and advanced projector was also placed.

IT development and website: The new website of AIIHPH is in the final stage of development which is being done by ADG Online Solutions Pvt. Ltd. It is built on robust and scalable technology using Laravel (Latest PHP Framework) and MySQL Database, ensuring performance, security, and maintainability. For the first time in the AIIH & PH, a dynamic website is being developed with bilingual option, fully integrated CMS and other user-friendly attributes.

For the first time migration of the website to NICS Cloud is being done.

Expansion of officers' chambers/ staff rooms: The space under the department of statistics was properly renovated and rearrangement was made in room No. 404 for including a bigger room and expanding the smaller rooms. A new toilet was also constructed for *improving amenities* and also execution of elements of **Swachchata Action Plan (SAP)**.

# Awards / Fellowships

Sl.	Name of the Award	Name of the Students / Faculty
1	Swachchata Special Campaign 5.0, Swachha department, Main Campus during October, 2025	1st Prize for the Department of Statistics

# Outreach awareness programs /Observation/extension activities conducted

Sl.	Name of the Awareness Programme	No. of Participants	Coordinator
1	Population Day was observed on 11 <sup>th</sup> July, 2025 at the Main Campus with the theme “Empowering young people to create the families they want in a fair and hopeful world” wherein Technical Discussion on the subject was arranged by the experts like HOD (Human rights & development, RB University Dr. P Roychoudhury and Prof. R.K. Tiwary, HOD (Stat), Dr. C.S. Taklikar, HOD, HP&E, Editor Times of India and News published in many news papers	204	Prof. R.K Tiwary, Dir-Professor and HOD (DoS)

**Newspaper Reporting and dissemination of Idea around Population and related aspects of World Population Day 2025 Celebration at AIH&PH Kolkata**

**दैनिक जागरण**  
**आबादी की चुनौती व जागरूकता पर जोर**  
 (एआई&एचपीएच में विश्व जनसंख्या दिवस 2025 का आयोजन)

**कार्यक्रम की शुरुआत अखिल भारतीय स्वास्थ्य एवं मानव संसाधन संस्थान के निदेशक डॉ. नारायण के. कुंडू के स्वागत भाषण से हुई।**

**इस अवसर पर विषय से संबंधित एक प्रश्नोत्तरी प्रतियोगिता और एक निबंध प्रतियोगिता का आयोजन किया गया।**

**ऑन लाइन प्रतियोगिता का आयोजन**

## *Other Activities*

- **Administrative Activities:** During the year, the Department's Statistical Officers efficiently managed major administrative and financial responsibilities with strict adherence to Government of India rules. As DDO, all financial transactions, PFMS activities, and budgetary processes were executed with transparency and fiscal discipline. Store management was carried out in accordance with GFR and GeM guidelines, alongside effective coordination with CPWD for civil and electrical works. Under the Swachhata Action Plan (SAP), cleanliness and sanitation activities were regularly monitored and implemented. As Warden of the Female Hostel, a safe and disciplined environment was ensured. Routine administrative duties were performed diligently, contributing to smooth institutional functioning.
- For the first time in AIIH & PH e billing system was introduced during the year and the concerned staff were trained by DDOs.
- **Medical camp:** Sh. R. Banerjee, MTS & Sh. D. Mondal, MTS participated in the Sraboni Mela Medical Camp during 19/07/2025 to 17/08/2025 where JRs and staffs were posted as per Roster provided by RHUTC.
- **National Knowledge Network (NKN) server room:** The server room was overhauled after a long time and Sh. S. Ghosh, SSO and Sh. A.N. Kundu, DEO coordinated the LAN related work.
- **Swachhata Special Campaign 5.0** during October 2025. Department participated in Cleanliness Competition and was conferred 1<sup>st</sup> prize.



Training on "Data Analysis using Jamovi" during 28 Mar' to 02 Apr', 2025 for Core Course Students [MD(CM) etc.]



The Department of Statistics, AIIHPH, Kolkata conducted a two days training on basic excel in biomedical research during 21st and 22nd August, 2025. Many faculties and researchers from various other Institutions participated in the programme.



Award giving ceremony on completion of special campaign 5.0 extensive cleaning programme during October 2025 .  
The Department received 1st Prize.



Swachhata Pakhwada for the department of Statistics during Apr 2025



Observation of World Population Day on 11th July 2025 at Main Campus Auditorium



Phase-I Internship Programme (NIOS), MoSPI 2025  
(26 May to 01 Sep 2025)



IFETP (Cohort-I) contact session organised by  
CDS & NCDC, Participants from many states  
for Sampling, sample size calculation on  
12 Nov' 2025