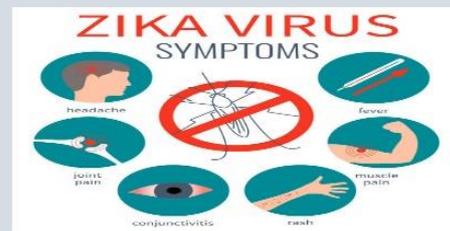




# ANNUAL REPORT 2021



**ALL INDIA INSTITUTE OF HYGIENE & PUBLIC HEALTH, KOLKATA**  
**MINISTRY OF HEALTH AND FAMILY WELFARE**

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## MESSAGES

डॉ. मनसुख मांडविया  
DR. MANSUKH MANDAVIYA



स्वास्थ्य एवं परिवार कल्याण  
य रसायन एवं उर्वरक मंत्री  
भारत सरकार  
Minister for Health & Family Welfare  
and Chemicals & Fertilizers  
Government of India



### MESSAGE

It gives me immense pleasure to learn that All India Institute of Hygiene and Public Health, Kolkata is celebrating its 90<sup>th</sup> Foundation Day on 30<sup>th</sup> December 2021.

All India Institute of Hygiene and Public Health, Kolkata is a pioneer Institute established in 1932. The Institute has made notable contribution towards the Public Health. The theme for the event- "**Pandemic and its challenges for Public Health**" is very much pertinent to the current scenario as we are facing COVID pandemic and in future similar pandemics may be threat to Public Health of our country.

I do hope that All India Institute of Hygiene and Public Health, Kolkata will continue to play its role in capacity building in the field of Public Health.

I wish all the success to the Institute and congratulate the faculty, the staff and the students who have contributed significantly to its growth.

(Dr. Mansukh Mandaviya)

कार्यालय: 348, ए-स्कंध, निर्माण भवन, नई दिल्ली - 110011 • Office: 348, A-Wing, Nirman Bhawan, New Delhi - 110011

Tele.: (O): +91-11-23061661, 23063513 • Telefax : 23062358



प्रो.(डॉ.) सुनील कुमार

एम.बी.बी.एस एवं एम.एस. (एम्स)

**PROF. (Dr.) SUNIL KUMAR**

MBBS & MS (AIIMS)

स्वास्थ्य सेवा महानिदेशक

**DIRECTOR GENERAL OF HEALTH SERVICES**



भारत सरकार  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
स्वास्थ्य सेवा महानिदेशालय  
Government of India  
Ministry of Health & Family Welfare  
Directorate General of Health Services



**MESSAGE**

I am very glad to know that All India Institute of Hygiene and Public Health, Kolkata will be celebrating its 90<sup>th</sup> Foundation Day on 30<sup>th</sup> December 2021 with the theme "**Pandemic and its challenges for Public Health**"

I am pleased to know that the institute has conducted teaching and training activities unhampered using online platforms and other services like Yellow fever vaccination, MCH services and other primary health care services were provide throughout the year during the Pandemic.

I visited the Institute in the month of March, 2021 for review of Key Performance Indicators and Annual Expenditure Plan and it is expected that the Institute is implementing it with full spirit.

The Institute has been playing a vital role in the country through its teaching, training and research activities in different field of Public Health.

I hope that this Institute will continue its service towards capacity building in health manpower and render quality services to the nation in the years to come.

I congratulate and wish success to the Institute.

**(SUNIL KUMAR)**

डॉ आर. आर. पति  
निदेशक  
**Dr. R. R. Pati**  
M.D. (CM), Director



भारत सरकार  
Government of India  
अखिल भारतीय स्वास्थ्य विज्ञान और जन स्वास्थ्य संस्थान  
All India Institute of Hygiene & Public Health  
110, चित्तरंजन एवेन्यु, कोलकाता - 700 073  
110, Chittaranjan Avenue, Kolkata - 700 073



All India Institute of Hygiene and Public Health, Kolkata is celebrating its 90<sup>th</sup> Foundation Day on 30<sup>th</sup> December, 2021 with the theme, "Pandemic and its Challenges for Public Health"

In the current scenario of the ongoing COVID 19 pandemic the Institute was able to adopt new teaching-learning methods. Online lectures and training programmes were conducted successfully. Primary Health care services were provided unhampered to the beneficiaries in the field practice area of UHU&TC, Chetla and RHUTC, Singur.

I am glad that faculty, Public Health Specialists and Medical Officers of the Institute played a vital role as central EMR team members in assisting state governments of West Bengal, Assam, Tripura, Sikkim, Gujarat, Andhra Pradesh, Maharashtra, Jharkhand and Madhya Pradesh in control of COVID-19 pandemic. It is also worth mentioning that the eligible population in the field practice area of RHU&TC, Singur is almost covered for COVID-19 vaccination.

I am sure the Institute will continue to play a vital role in the coming days in tackling Public Health Challenges faced by our country and also contribute in teaching, training and research in the field of Public Health through a multidisciplinary approach.

I take this opportunity to thank the entire faculty, other senior officers, the staff and the students for their contributions in achieving the goals of the Institute and wish a very successful 90<sup>th</sup> foundation Day celebration.

(Dr.R.R.Pati)

# OUR VISION, MISSION, VALUES, AND GOALS

## *Vision*

To be a centre of excellence globally for Education, Training and Research in the field of Public Health.

## *Mission*

To develop competent workforce for public health services through teaching, training, and research in the relevant fields on a regular basis.

To strive for solutions based on the harmonious blend of capacity development, knowledge dissemination, and community engagement taking the best technological advances into consideration to improve community health and hence quality of life for all.

To develop model centres for health services to the community, ensuring universal coverage for primary health care.

## *Value*

To be promotion and prevention oriented, community based, population and policy focused, and concerned with human rights and social justice.

## *Goals*

Conducting need based regular courses of high quality covering all aspects of Public Health.

Designing and implementing need based short courses, and training programmes for augmenting and supplementing Public Health Workforce.

Informing, educating, and empowering people about health issues.

Conducting research for new insights and innovative solutions to community health problems.

Evolving best practices and setting standards in the field of public health.

Evaluation of effectiveness, accessibility, and quality of personal and population-based health services.

Playing a leadership role in the field of public health through evidence based policy advocacy.

Compliance with common statutory provisions.

# ALL INDIA INSTITUTE OF HYGIENE & PUBLIC HEALTH AN OVERVIEW

## *General*

All India Institute of Hygiene & Public Health, established on 30th December 1932 with generous assistance from the Rockefeller Foundation as a first school of Public Health in South-East Asia region, has been a Pioneer Institute of its kind dedicated to teaching, training, and research in various disciplines of Public Health and allied sciences to ensure capacity building in the area of Public Health. The teaching, training, and research at AIHH&PH have the unique support of its field laboratories, namely, Urban Health Unit and Training Centre, Chetla and Rural Health Unit & Training Centre, Singur.

The wider canvas available to the Institute has been signified not only by its field laboratories, but also by the diverse disciplines such as Biochemistry and Nutrition, Epidemiology, Health Promotion and Education, Maternal and Child Health, Microbiology, Occupational Health, Public Health Administration, Public Health Nursing, Environmental Sanitation and Sanitary Engineering, Preventive and Social Medicine, Behavioural Sciences, and Statistics operate here.

The achievements and contributions of the Institute have been commensurate with the prime status attached to the Institute by its founders. The department-wise list of regular courses offered by the Institute indicates that the Institute has been following a holistic approach to the issue of Public Health.

## *Courses*

Sl. No.	Nodal Department*	Name of the Course(s)
1.	Biochemistry & Nutrition	M.Sc. in Applied Nutrition. Diploma in Dietetics.
2.	Environmental Sanitation and Sanitary Engineering	Master of Engineering (Public Health).
3.	Epidemiology	Master in Public Health (Epidemiology). Post Graduate Diploma in Public Health Management.
4.	Health Promotion & Education	Diploma in Health Promotion & Education.
5.	Maternal and Child Health	Diploma in Maternity & Child Welfare*.
6.	Microbiology	Master of Veterinary Public Health.
7.	Occupational Health	Diploma in Industrial Health*.
8.	Preventive and Social Medicine	MD (Community Medicine).

Sl. No.	Nodal Department*	Name of the Course(s)
9.	Public Health Nursing	DNEA (CH) Course was stopped in 2013 following instruction of INC as per INC Resolution.
10.	Public Health Administration	Diploma in Public Health.
11.	Statistics	Diploma in Health Statistics.
* In the current session no student has been admitted for Diploma in Industrial Health, and Diploma in Maternity & Child Welfare courses because the MCI has not declared the number of seats for the said courses.		
Other departments also contribute significantly in conducting the courses.		

The Institute is affiliated to the West Bengal University of Health Sciences, Kolkata for all the courses except Master of Veterinary Public Health which is affiliated to University of Calcutta. Among the above courses, MD (Community Medicine), Diploma in Public Health, Diploma in Industrial Health, and Diploma in Maternity & Child Welfare are recognized by Medical Council of India (MCI). The three-year MPH (Epidemiology) Course is permitted by the Ministry of Health & Family Welfare. In the current session no student has been admitted for Diploma in Industrial Health and a Diploma in Maternity & Child Welfare courses because MCI has not declared no. of seats for the said courses. There is no admission also in Master of Engineering (Public Health) because of non-availability of faculty in the department.

The Department of Behavioural Sciences, which was earlier functional in the Institute, is presently non-functional because of some administrative problems including non-availability of faculty members.

### *Other Activities*

- The Institute has been running a number of Short Courses / Training Programmes for different categories of Health Personnel on a regular basis in coordination with State Governments/ Central Ministries/ International agencies / etc.
- The Institute has been providing primary health care through its field units at Singur and Chetla to its service areas and these field units have been making significant contributions in providing windows to the students of the Institute and other institutions for their field experience in the public health practices.
- Apart from assuring the nation on the availability of competent Human Resource on Public Health, and undertaking research to find solutions to the Public Health Challenges, the Institute has undertaken several notable initiatives in collaboration with national and international institutions to promote Public Health. It regularly undertakes various activities including public health interventions, especially through its field units to promote Public Health.
- The Institute is also assigning priority to Drinking Water and as such it has been taking initiatives to propagate the importance of safe drinking water. To facilitate the supply of safe drinking water, it provides a water testing facility at its B.N. Campus for one and all.

- In case of national disaster, the Institute deposes resource persons for Emergency Medical Response (EMR) duty on a regular basis.
- As a pre-condition, people travelling from India to yellow fever-endemic areas need the Yellow Fever Vaccination before issue of VISA. All India Institute of Hygiene and Public Health functions as one of the three centres of Yellow Fever Vaccination in Kolkata. On the average, every month, more than hundred people obtain vaccination from the centre.

### *Infrastructure*

- The Institute operates its academic and administrative activities from the main building at 110 Chittaranjan Avenue, Kolkata 700073 and the second campus at JC 27 and JC 27 B, Sector III, Salt Lake. It has a Rural Health Unit and Training Centre at Singur, Hoogly, West Bengal and Urban Health Unit and Training Centre at Chetla, Kolkata, West Bengal. The Institute has staff quarters at both the places, Kolkata and Singur. Moreover, it has Hostel Facilities for students in Kolkata (Near Main Campus as well as in Second Campus) and Singur. In addition, we have Guest House Facilities near main campus as well as in the second campus.
- The RHU&TC, Singur has two Primary Health Centres, one at Diarah and another at Anandnagar and each of them has sub-centres. Sub-centres, Paltagarh, Nasibpur and Nanda are under PHC, Diarah and Balidipa and Dewanvery are under Health Centre Anandnagar. In addition to the sub-centres, the Primary Health Centres have other functional units which may be considered as sub-centres without fixed structure.
- The Institute has well equipped laboratories, library, computer room, classrooms, auditorium, and conference rooms. It has adequate LAN and Internet facilities with NKN connectivity and intercom facilities.

### *Library*

- All India Institute of Hygiene & Public Health has one of the premier reference libraries on public health sciences. The library has been identified as the Regional Medical Library in the Eastern Region by D.G.H.S, and Ministry of Health & Family Welfare and ERMED facility. It has sufficient resources for the users.

### *General Budget*

<b>Budget at a Glance (Rs. in Crore)</b>			
<b>Classification</b>	<b>FY</b>	<b>Classification</b>	<b>FY</b>
	2020-21		2021-22
AIIH&PH (Genl. Comp)	37.24	AIIH&PH (Gen. Comp)	37.60
CCTC, Singur	22.13	CCTC, Singur	22.73
Capital Outlay	2.28	Capital Outlay	1.72
<b>Total</b>	<b>61.65</b>	<b>Total</b>	<b>62.05</b>

## Manpower

Cadre-Wise /Category-Wise Human Resources of AIIH&PH *				
Sl. No.	Cadre / Category	No. of Posts		
		Sanctioned	In position	Vacant**
<b>Group-A</b>				
1.	Director	1	1	0
2.	CHS (Teaching Specialists)	23	17	6
3.	CHS (Non-Teaching Specialists)	1	0	1
4.	CHS (Public Health Specialists)	7	2	5
5.	CHS (General Duty Medical Officers)	30	21	9
6.	Teaching (Non-Medical)	20	0	20
7.	ISS	3	2	1
	<b>Total (Group – A)</b>	<b>85</b>	<b>43</b>	<b>42</b>
<b>Group – B</b>				
8.	Gazetted	14	6	8
9.	Non-Gazetted	18	0	18
	<b>Total (Group – B)</b>	<b>32</b>	<b>6</b>	<b>26</b>
<b>Group – C</b>				
10.	MTS	229	125	104
11.	Canteen Staff	2	1	1
12.	Other Group - C	327	191	136
13.	Watch boy/bearer etc.	6	2	4
	<b>Total (Group – C)</b>	<b>564</b>	<b>319</b>	<b>245</b>
	<b>Grand Total</b>	<b>681</b>	<b>368</b>	<b>313</b>

\* Includes Main Campus, B.N Campus, UHU&TC, Chetla and RHU&TC, Singur.

\*\* As on 01.12.2021

## Human Resource Development

Human Resource Development assumes added significance in the strengthening of the Institute. Apart from internal training arranged by different departments, officials are also deputed to standard institutions/organisations/agencies for attending Trainings/Workshops/Seminars etc. Department-wise/Unit-wise reports given in the report of the departments/units provide further details on the issue.



## NEW INITIATIVES

### *Initiatives:*

- Booklet on COVID 19 information in English and Bengali for ASHA workers and health professionals was published and e-Booklet is available in [www.aiihph.gov.in](http://www.aiihph.gov.in).
- COVID-19 vaccination was started in field practice area of RHUTC, Singur till date around 21,023 doses were administered.
- Information Booklet on Diabetes for Health Care Providers in English and Bengali was published e-Booklet available in [www.aiihph.gov.in](http://www.aiihph.gov.in).

### *Other Achievements*

- The Institute has been functioning as an International Centre for Yellow Fever Vaccination for travelers of Yellow Fever-endemic areas since the initiation of the program of vaccination by the WHO. During the reference period 1147 travellers got vaccinated at the center.
- Awareness campaign conducted for “Covid-19 appropriate behaviour” in the field practice area of RHU& TC, Singur and UHU& TC, Chetla.
- The Institute has been functioning as Drinking Water Potability Testing Centre as per international guidelines.
- One of the MD (CM) student stood second in the University final examination.

### *Success stories:*

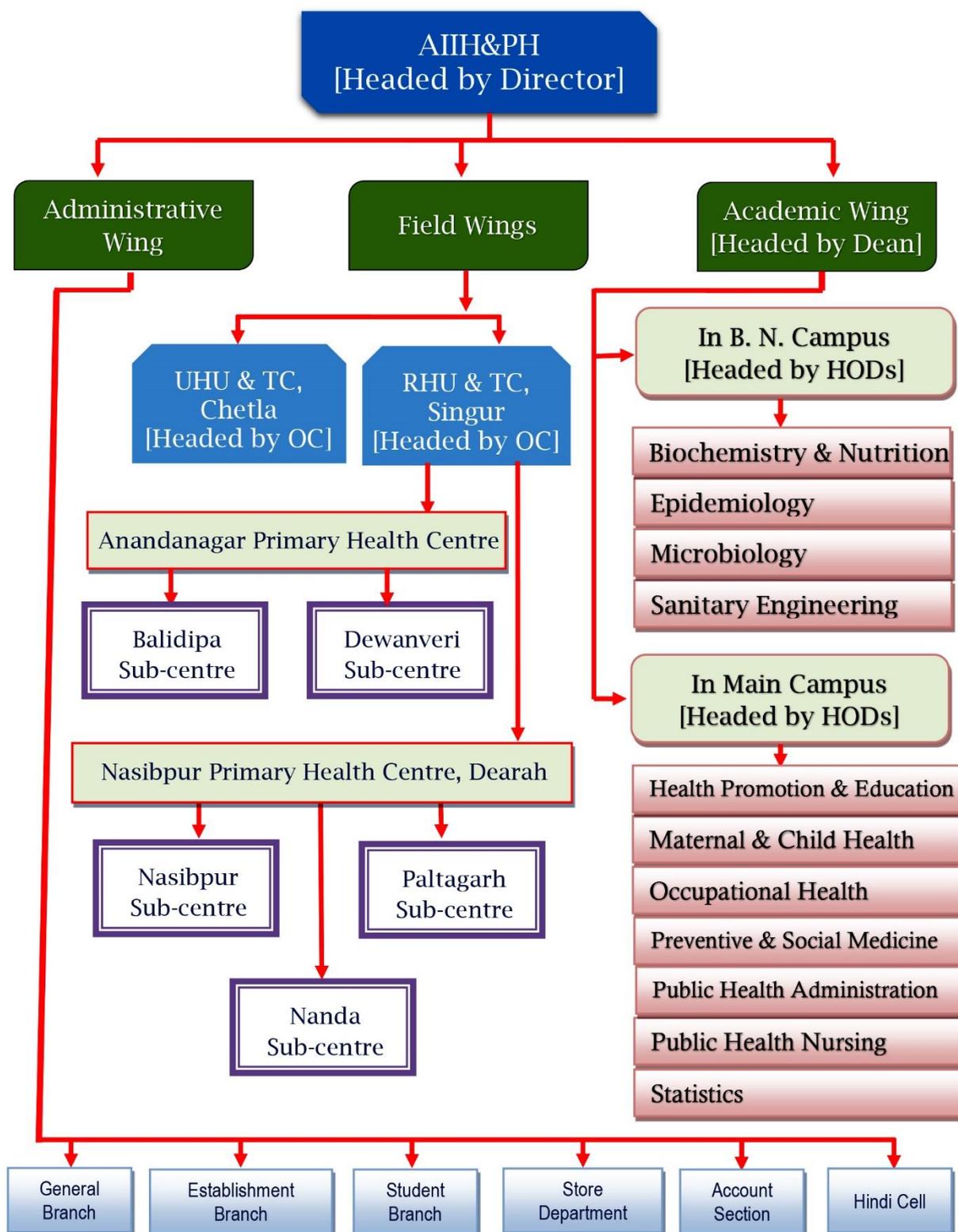
- Postgraduate students of the Institute received 10 awards in different categories for best paper presentation/e-concept research note writing in National level conference conducted by professional association and organization viz. IAPSM, IPHA

### *Contribution in containment of Covid-19 pandemic in different states of India by the Institute:*

- Faculty were also involved in awareness generation talk on “Prevention of Covid-19” conducted by All India Radio.
- Since the beginning of second wave of Covid-19 pandemic in the month of march, 2021 in India, 12 experts from the Institute were posted by the EMR division, DGHS on several occasions in different states of India viz. Assam, Tripura, Sikkim etc.as Team leaders/ Team members of central team for providing assistance to the state government in the containment of Covid-19.



## ORGANIZATION CHART



N.B.: There are many functional units such as library, canteen, etc., which have not been shown here because these are infrastructural units.



## ADMINISTRATIVE SET-UP

Sl. No.	Name	Photograph	Designation	Educational Qualification	Work Allocation
1.	Dr. R.R Pati		Director	MBBS, MD	Head of the Institute
2.	Dr. Bhaskar Sen		Additional Director	M.B.B.S	Head, Administrative Wings of the Institute
3.	Dr. Sangita Kalsa		CMO (NFSG)	MBBS	DDO
4.	Dr. Sanjoy Bhattacharya		Medical Officer	MBBS	CPIO, Legal Cell & Clinical Services.
5.	Shri N. N. Das		P.S. to Director	B.A.	Secretarial Assistance to the Director

N.B: Administrative set-ups at B.N. Campus and Field-Units are given separately at respective places.



## IMPORTANT COMMITTEES/STATUTORY BODIES

### *Faculty Council*

The Faculty Council is the executive body of the Institute, which deliberates and decides all academic issues, including the support services for the academic activities. Presently, Dr. R. R. Pati, Director of the Institute is the Chairman of the Council and Dr. Debashis Dutt, Director-Professor, Dean and HOD (PHA) is the Member Secretary. All Head of Departments/Training Centres and the Additional Director, in-charge of the Administration and the Additional Director, in-charge of the B. N. Campus are members of the Faculty Council.

### *Office Council*

The scheme of Joint Consultative Machinery (JCM) is a platform for constructive dialogue between the representatives of the staff side and the official side for peaceful resolution of all disputes between the Government as an employer and the employees.

The JCM Scheme provides for setting up of Joint Councils under three tier system – i) National Council at the National level, ii) Departmental Council at each Department / Ministry level, and iii) Office Council at Regional / Office level.

This Institute also has an Office Council consisting of both Official Side and Staff Side. The Director of this Institute is the Chairman and the Administrative Officer is the Member-Secretary of the Office Council. The Additional Director of this Institute and the Officer-in-Charges of our three units are members of the Office Council from the Official Side.

There are three recognized Staff Associations in this Institute – i) Hygiene Institute Staff Association (HISA), ii) All India Institute of Hygiene & Public Health Employees Union (AIH&PHEU) and iii) A.I.I.H&P.H Permanent Karmachary Sangha (AIHHPHKS). The Presidents and the General Secretaries of these recognized associations are the Staff Side leaders of the Office Council and the other eight staff members (six from each association) nominated by the respective staff associations are the Staff Side members of the Office Council.

### *Academic Cell*

- |    |   |                  |
|----|---|------------------|
| 1. | Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA       | Chairman         |
| 2. | Dr. C.S. Taklikar, HOD, HPE                                   | Member Secretary |
| 3. | Dr. Ranjan Das, Director- Professor, HOD, PSM                 | Member           |
| 4. | Dr. Shruti Shukla, Prof, HOD, DOS                             | Member           |
| 5. | Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head<br>SE | Member           |
| 6. | Dr. Shibani Dutta Prof & HOD, B&N                             | Member           |
| 7. | Dr. A.K Mallick, Dir-Prof & HOD, MCH Acting Head Deptt.of PHN | Member           |
| 8. | Dr. Atul Raj, Assoc. Professor, Microbiology                  | Member           |

### *Medical & Public Health Education Unit*

1. Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA Chairman
2. Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head SE Member
3. Dr. A.K Mallick, Dir-Prof & HOD, MCH Acting Head Deptt.of PHN Member
4. Dr. Shruti Shukla Prof, HOD, DOS Member
5. Dr. Shibani Dutta Prof & HOD, B&N Member
6. Dr. C.S. Taklikar, HOD, HPE & OH Member
7. Dr. Ranjan Das, Dir- Professor, HOD, PSM Member
8. Dr. U.K Chattopadhyay Dir-Professor, HOD, Microbiology Member
9. Dr. Amitava Dan, Public Public Health Specialist, OC, UHU&TC, Chetla Member
10. Dr. Asim Sarkar, CMO (NFSG), RHU&TC, Singur Member

### *Scientific Advisory Committee*

1. Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA Chairman
2. Dr. Bobby Paul, Assoc. Professor, PSM Member Secretary
3. Dr. A.K. Mallick, Dir-Prof., HOD, MCH Member
4. Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head SE Member
5. Dr. Shibani Dutta Prof & HOD, B&N Member
6. Dr. C.S. Taklikar, Prof. . Dept. of HPE Member
7. Dr. Atul Raj, Assoc. Professor, Microbiology Member
8. Dr. S Dasgupta Prof Dept. of PSM, KPC Medical College Member
9. Dr. S.K Roy, Prof, ISI, Kolkata Member

### *Library Committee*

1. Dr. A.K. Vajpayee, Director-Prof. Occupational Health Chairman
2. Dr. N.N. Naskar, Director-Professor , PHA Member
3. Dr M. Bhattacharyya, SMO & Associate Professor (Eq.), MCH Member & In-charge
4. Sh. A. Chaturvedy, Librarian Member

### *Anti-Ragging Committee*

1. Dr. A. Roy, Additional Director, B.N. Campus Chairman

- |    |   |        |
|----|---|--------|
| 2. | Dr. N.N. Naskar, Director-Professor , PHA               | Member |
| 3. | Mrs. Rehana Khatun, Councillor, Ward No.44, KMC         | Member |
| 4. | Sh. Sujay Sultan, Sub-Inspector, Jorasanko PS, Kolkata  | Member |
| 5. | Dr. Ketaki Das, P. H. Relations Officer, WBVHA, Kolkata | Member |
| 6. | Sh. Subhrajit Sarkar, SSO, Deptt. of Statistics         | Member |
| 7. | Dr. Amit Banik, Asso. Professor, Microbiology           | Member |

### *Biomedical Waste Management and Handling Committee*

- |    |   |   |
|----|---|---|
| 1. | Dr. Amalendu Roy, CMO(SAG)              | Chairman & Programme implementation Officer |
| 2. | Dr. Atul Raj, Assoc. Prof, Microbiology | Nodal Officer                               |
| 3. | Officer-in-Charge, RHU&TC, Singur       | Member                                      |
| 4. | Officer-in-Charge, UHU&TC, Chetla       | Member                                      |

### *Institutional Ethics Committee (IEC)*

- |     |  |                  |
|-----|--|------------------|
| 1.  | Dr. Saibendu Lahiri, Professor & Head, Department of Community Medicine, R. G. Kar Medical College, Kolkata. | Chairman         |
| 2.  | Dr. Ashok Kumar Mallick, Professor, PHA, AIIHPH, Kolkata.  | Member Secretary |
| 3.  | Prof. Sudeshna Basu Mukherjee, HOD, Dept. of Sociology, CU, Kolkata.   | Member           |
| 4.  | Sh. A.K.M. Abdus Sadek, Senior Lecturer, Surendranath Law College, Kolkata.                                  | Member           |
| 5.  | Dr. Amit Sarkar, Secretary, OncoLink (NGO), Kolkata.   | Member           |
| 6.  | Dr. R.N. Sinha, Director Professor, MCH, AIIHPH, Kolkata.  | Member           |
| 7.  | Dr. Bobby Paul, Assoc. Professor, PSM, AIIHPH, Kolkata.  | Member           |
| 8.  | Dr. Sayan Bhattacharyya, Asso. Professor, Microbiology.  | Member           |
| 9.  | Smt. Uma Chatterjee, Sister Tutor, PHN, AIIHPH, Kolkata.   | Member           |
| 10. | Sh. Bechu Ram Mandal, Community Representative.  | Member           |

### *Institutional Animal Ethics Committee (IAEC)*

- |    |  |                   |
|----|--|-------------------|
| 1. | Dr. Atul Raj, Assoc. Prof , Microbiology | Chairman          |
| 2. | Dr. Sayan Bhattacharyya, Asso. Prof      | Member Secretary  |
| 3. | Dr. Kuladip Jana, CPCSEA member          | Member (Outsider) |
| 4. | Dr. Amit Banik, Asso. Prof               | Member            |
| 5. | Dr. Rohit Raj, Veterinary- Surgeon       | Member (Outsider) |

### *Women's Grievance Cell/ Sexual Harassment Committee*

- |    |  |                   |
|----|--|-------------------|
| 1. | Dr. Shibani Dutta, Professor & HoD , B&N | Presiding Officer |
|----|--|-------------------|

- |    |  |  |
|----|--|--|
| 2. | Dr. Madhumita Bhattacharya, Chief Medical Officer  | Member Secretary                                 |
| 3. | Dr. Shampa Mukherjee (Kundu), SSO, Deptt. of Stat. | Member   |
| 4. | Smt. Topoti Bhowmik, SANLAAP India                 | Outside Member                                   |
| 5. | Dr. Nandiani Bhattacharya                          | Member   |
| 6. | Dr. R. N Sinha                                     | Additional Member<br>(Nominated by the Director) |
| 7. | Mr. Pradip Kayal                                   | Additional Member<br>(Nominated by the Director) |

### *SC/ST/OBC Grievance Cell*

- |    |                       |          |
|----|-----------------------|----------|
| 1. | Dr. A.K. Mallick      | Chairman |
| 2. | Dr. R.N. Sinha        | Member   |
| 3. | Sh. Anupam Deb Barman | Member   |

### *Minority Cell*

- |    |  |          |
|----|--|----------|
| 1. | Dr. Amalednu Roy                             | Chairman |
| 2. | Dr. Safique Ahmed Khan, CMO<br>(NFSG), CGHHS | Member   |
| 3. | Dr. Sanjib Das, MO                           | Member   |

### *Preventive Vigilance Committee*

- |    |   |                  |
|----|---|------------------|
| 1. | Dr. Dipak Pal, Director-Professor, Epidemiology   | Chairman         |
| 2. | Dr. Nandini Bhattacharya, SMO, Deptt. of OH       | Member-Secretary |
| 3. | Dr. Sayan Bhattacharya, Asso. Prof., Microbiology | Member           |
| 4. | Dr. Rajarshi Chakraborty, M.O, UHU&TC, Chetla     | Member           |
| 5. | Dr. Kausik Das, M.O, RHU&TC, Singur               | Member           |

### *Plastic Hazards Committee*

- |    |                    |                  |
|----|--------------------|------------------|
| 1. | Dr. D. Dutt        | Chairman         |
| 2. | Dr. C. S. Taklikar | Member Secretary |
| 3. | Dr. Amitabha Dan   | Member           |

### *Training Cell*

- |    |                  |                                  |
|----|------------------|----------------------------------|
| 1. | Dr. A. Vajpayee  | Chairperson and Training Manager |
| 2. | Dr. Debashi Dutt | Member Secretary                 |
| 3. | Dr. Dipak Pal    | Member                           |

4. Dr. Sanjay Kr. Sandhukhan Member

### *Swachh Bharat Mission Committee*

1. Dr. Lina Banerjee Member
2. Dr. Nandini Bhattacharyya, SMO Member
3. Dr. Amit Banik, Asstt. Prof. Member

### *Central Public Information Officer*

1. Dr. Sanjoy Bhattacharya CPIO
2. O.C. UHU&TC, Chetla Asst. CPIO
3. O.C. RHU&TC, Singur Asst. CPIO
4. O.C. B N Campus Asst. CPIO

### *First Appellate Authority under RTI*

Director, AIIH&PH, Kolkata.

### *Welfare Officer*

Dr. D. Dutt, Director Professor & HOD, PHA

### *Vigilance Officer*

Dr. D. Pal, Director Professor, Epidemiology.

### *Departmental Canteen Committee*

1. Dr. Madumita Bhattacharya Chairman
2. Dr. Nandini Bhattacharya Member Secretary
3. Dr. C. S Taklikar Member
4. Sh. P.K. Barman, UDC Member
5. Sh. Tapas Sarkar, MTS Member
6. Sh. Raju Hela, MTS Member

### *Hostel Committee*

#### **Main Campus**

1. Dr. Bhaskar Sen, AD Chairman
2. Sh. Subhojit Ghosh, SSO Member Secretary
3. Dr. M. Bhattacharya, SMO Member

4. Smt. Batasree Biswas, L Supdt. Member

**Bidhan Nagar Campus**

1. Dr. Deepa Saw Chairman

2. Dr. Amit Banik, Assistant Professor Member

**RHU & TC, Singur**

1. Dr. Asim Sarkar Chairman

2. Dr. Shamita Mandal Member

3. Dr. Kaushik Das Member

## BIDHAN NAGAR CAMPUS

### *Introduction:*

The picturesque and state-of-art Bidhan Nagar Campus is situated at JC Block (27&27B), Salt Lake, Sector III, Kolkata 700106 under Bidhan Nagar Corporation area. Total area of this lush green complex is 10.86 acres. Out of this area 8.16 acres (approx.) was received from the State Govt. in JC 27 Block and 2.7 acres was received from National Institute of Homeopathy in JC-27B Block. The Campus comprises of residential and non-residential buildings, lush green compound and wide parking area. Residential buildings includes quarters in blocks A to H, non-residential buildings include the main G+III institutional block, Guest House, International Hostel, a generator room and few garages. The Institutional Building houses Additional Director's Office and four Departments namely D/O – Epidemiology, Microbiology, Biochemistry & Nutrition and Sanitary Engineering.

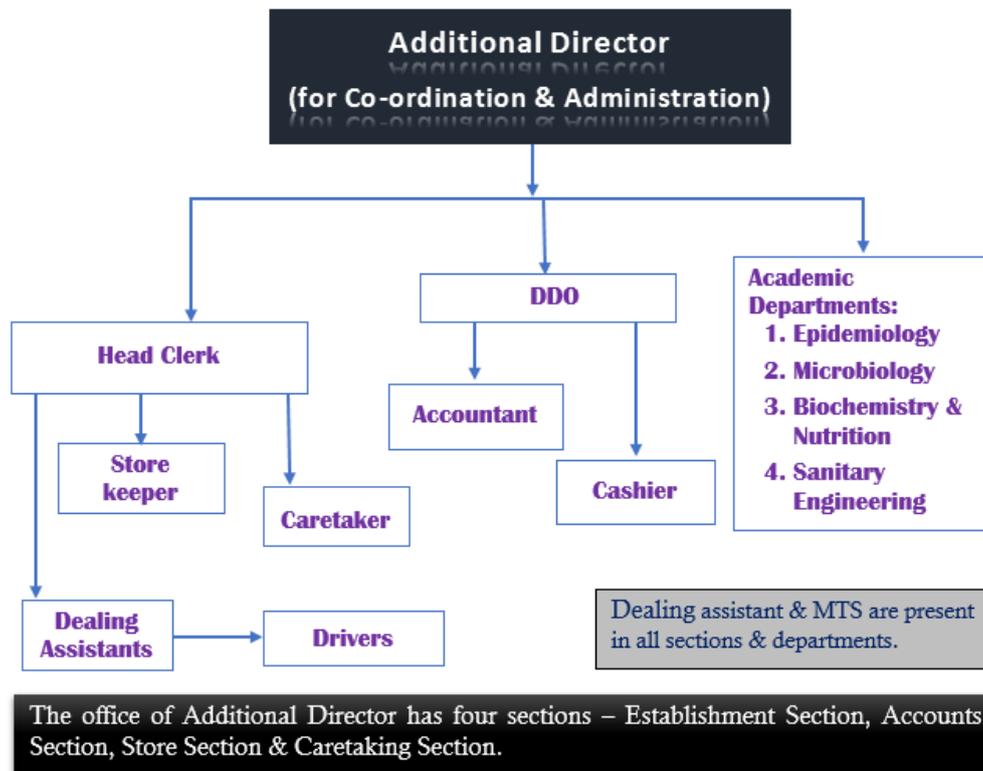
The foundation stone of the Bidhan Nagar Campus as a nodal centre for education, training and research in public health was laid by Mr. A.R. Antulay, the then Minister of Health & Family Welfare in 1994. The campus started functioning when four departments namely, Microbiology, Epidemiology, Sanitary Engineering and Biochemistry & Nutrition were shifted from main campus in end of 2010. The full-fledged functioning of a separate office and establishment for B N Campus was started from September, 2013 with the shifting of establishment of all employees posted here. B N Campus is headed by Additional Director who works under Director and looks after organizational functioning of campus and provides managerial support for smooth functioning of the departments in the campus.

The Regional Office, Ministry of Health & family Welfare is also housed in Block C of this campus.



*Figure 1: Main Building, Bidhan Nagar Campus*

## Administrative setup



## Administrative Setup



Dr. Deepa Shaw  
CMO, NFSG & Officer -in-Charge  
MBBS

E-mail: [officebnc4@gmail.com](mailto:officebnc4@gmail.com)  
[aiihphbnc@gmail.com](mailto:aiihphbnc@gmail.com)  
 Mobile No.: +91 90519 38055  
 Area of expertise: Clinical Medicine,  
 Administration.

## Other Administrative Staff

Sl. No.	Cadre /Category	Number
1	Head Clerk	1
2	Assistant	1
3	UDC	2
4	LDC	5
5	Drivers	1
6	MTS	6
7	MTS (Safaiwala)	2

## *Institute Building*

The main administrative cum Academic building houses the Director's room, the Additional Director's room, the administrative offices, caretaker section, store section, transport section, one seminar hall, one library room, two conference rooms apart from the class-rooms, faculty rooms and laboratories allotted to the four academic departments; Epidemiology, Biochemistry & Nutrition, Microbiology, & Sanitary department.

- **Staff quarters**

Block A, F, G & H which includes two duplex quarters for the Director & Additional Director (A-1 & A-2).

- **MOH&FW office**

Block C houses MOH&FW office for which maintenance & repair work is done by CPWD from AIIH&PH fund.

- **Gents Hostel & Ladies Hostel**

The campus has Gents and Ladies hostel with adequate facilities

- **International Hostel**

It has 14 double bed rooms & 09 single bed rooms.

- **Guest House**

It has 2 red suites, 2 grey suites & 3 double bed rooms.

- **Water treatment plant**

The plant with two deep tube wells to use underground water which has the facility of iron removal.

- **One jumbo generator set**

It acts as back-up in the event of power cut

- **Contractual canteen**

Canteen serves food for the employees, students & guests, which is temporarily closed.

- **Biomedical waste disposal**

A pit is constructed as per WHO guidelines.

- **Eco garden**

Eco garden is constructed to strengthen eco-friendly environment of the Institute.

## *Courses conducted at BN Campus:*

Please see the reports of the different departments.

### *Other Special Services Provided in the Campus:*

- **Water Testing**

Microbiological testing and chemical testing for hardness, alkalinity and presence of Chlorides, Iron, Arsenic and Fluoride are being done here by the Department of Microbiology and the Department of Sanitary Engineering.

- **Yellow Fever Vaccination**

Yellow Fever Vaccination has been made mandatory before the issue of VISA for visiting yellow fever-endemic areas/countries. In Kolkata, All India Institute of Hygiene & Public Health, being one of the nodal Centres, provides Yellow Fever Vaccine through its Microbiology Department.

### *Some Important Photographs*



Figure 2: Swachhta Pakhwada held at BN Campus from 1-15 April 2021.



Figure 3: This unit had organized an Integrity Pledge taking ceremony at 11.00 a.m. on 26.10.2021.

## हिन्दी अनुभाग



मनीन्द्र नाथ विश्वकर्मा (एम ए - हिन्दी, समाजशास्त्र)

सहायक निदेशक (राजभाषा)

E-mail: dayamaniaruni@gmail.com

### परिचय

1. राजभाषा नीति का कार्यान्वयन तथा राजभाषा अधिनियम और उसके अंतर्गत बनाए गए नियमों के प्रावधानों का अनुपालन सुनिश्चित करने के लिए संस्थान में तीस वर्ष पहले हिन्दी कक्ष स्थापित किया गया। हिन्दी कक्ष का उद्देश्य कार्यालयी हिन्दी का प्रचार-प्रसार, सभी अधिकारियों एवं कर्मचारियों को हिन्दी में प्रशिक्षण प्रदान करना है ताकि हिन्दी में कार्यालय का काम करना संभव हो सके। अलावा इसके अधिकारियों को समय-समय पर राजभाषा संबंधी नियमों से अवगत कराना है।
2. संस्थान के हिन्दी कक्ष में एक सहायक निदेशक (राजभाषा), एक कनिष्ठ हिन्दी अनुवादक, एक हिन्दी टंकक एवं एक एम टी एस का पद है। श्री मनीन्द्र नाथ विश्वकर्मा सहायक निदेशक (राजभाषा) हैं। कनिष्ठ हिन्दी अनुवादक, हिन्दी टंकक एवं एम टी एस का पद रिक्त है। रिक्त पदों को भरने की कोशिश की जा रही है। इस संस्थान की तीन अन्य इकाईयां शहरी स्वास्थ्य इकाई एवं प्रशिक्षण केंद्र, चेतला, ग्रामीण स्वास्थ्य इकाई एवं प्रशिक्षण केंद्र, सिंगुर, एवं द्वितीय परिसर साल्ट लेक में हिन्दी का कोई भी पद नहीं है। यहाँ हिन्दी के पद सृजित करने की दिशा में ठोस कदम उठाया जाना चाहिए।

### अनुभाग का कार्य-कलाप

1. हिन्दी कक्ष से **जन स्वास्थ्य** नामक वार्षिक पत्रिका प्रकाशित की जाती है वर्तमान में रिक्तपदों के कारण उक्त पत्रिका का प्रकाशन नहीं हो सका।
2. इस वर्ष दिनांक 16/04/2021 एवं 29/09/21 को केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान, यादवपुर, कोलकाता -32 के द्वारा नगर राजभाषा कार्यान्वयन समिति (कार्यालय-2) की बैठक माइक्रोसॉफ्ट टीम्स के माध्यम से आयोजित की गई थी। इसमें संस्थान के सहायक निदेशक(राजभाषा), श्री मनीन्द्र नाथ विश्वकर्मा ने अंश ग्रहण किया।
3. हर वर्ष की भांति इस वर्ष भी एक सितंबर से पंद्रह सितंबर तक संस्थान में हिन्दी पखवाड़ा का आयोजन किया गया था। हिन्दी पखवाड़ा के समापन समारोह का आयोजन दिनांक 28/09/2021 को किया गया। कार्यक्रम की अध्यक्षता संस्थान के निदेशक डॉ रमापति रंजन ने किया। हिन्दी पखवाड़ा के दौरान टिप्पणी एवं प्रारूपण, निबंध प्रतियोगिता, सुलेख व श्रुति लेखन, साधारण ज्ञान प्रतियोगिता, कविता पाठ, सम्भाषण एवं कथा वाचन आदि प्रतियोगिताएं आयोजित की गईं। प्रतियोगिताएं हिन्दी भाषी एवं हिन्दीतर दोनों के लिए आयोजित की गई थीं। विजेताओं को अध्यक्ष

के कर-कमलों द्वारा पुरस्कृत किया गया । हिन्दीतर प्रतियोगियों में सर्वश्रेष्ठ प्रदर्शन श्री चिरंजीत मुखोपाध्याय का रहा जिन्होंने कुल चार पुरस्कार जीते । दूसरा स्थान श्रीमती छाया चंद , श्री इंद्रनील भद्र,श्रीमती इभा मजूमदार , डॉ सायन भट्टाचार्य, डॉ अमित बणिक एवं श्रीमती मिताली मुखर्जी का रहा जिन्होंने तीन तीन पुरस्कार जीते । श्रीमती मौसुमी मण्डल ,के के गांगुली, श्री दिलीप कुमार बैद्य,डॉ केतकी शर्मा,श्रीमती शंपा मुखर्जी और शुभ्रजित सरकार ने दो-दो पुरस्कार जीते । हिन्दी भाषी प्रतियोगियों में श्री अभिषेक चतुर्वेदी प्रथम स्थान पर रहें । द्वितीय स्थान पर सुश्री सलोनी कुमारी रही । श्री राजकुमार एवं श्री नवीन ने दो दो पुरस्कार जीते । अन्य प्रतिभागियों को सांत्वना पुरस्कार प्रदान किया गया ।

4. इस वर्ष हिंदी शिक्षण योजना द्वारा आयोजित जनवरी सत्र 2021 की हिन्दी प्रवीण एवं प्राज्ञ का प्रशिक्षण संस्थान में ही आयोजित की गई थी । इस वर्ष कुल नौ कर्मचारियों ने पारंगत में एवं पाँच कर्मचारियों ने प्रवीण में नामांकन कराया इनकी परीक्षाएँ संस्थान में ही आयोजित की गई ।
5. संस्थान में व्यवहृत होने वाले अधिकांश कंप्यूटरों में यूनो कोड की व्यवस्था कर ली गई है इस पद्धति के द्वारा आसानी से हिन्दी में काम किया जा सकता है ।

# BIO-CHEMISTRY & NUTRITION

## *Introduction*

Biochemistry and Nutrition Department of All India Institute of Hygiene and Public Health is the first ever department in India to start Diploma in Dietetics course in 1950. M. Sc (Applied Nutrition) course was started in the year 2009 by this department. The Department of Bio-Chemistry and Nutrition is concerned with basic and applied teaching, and research in the science of nutrition. Training is oriented towards the nutrition component of health problems at all levels, viz. individual, family, community and National level. Training is also provided in dietetics, identification of the nutritional needs of a community, assessment of nutritional problems and mobilization of resources to deal with these problems. This department was a part of advanced research and teaching centre of ICMR, particularly with respect to epidemiology of malnutrition among the tribal population and urban slum dwellers.

## *Teaching Activities*

- **M.Sc. in Applied Nutrition**  
Affiliated University: The West Bengal University of Health Sciences  
Annual Intake: 20  
MCI recognition: No  
Admission procedure: Through Common Entrance Examination conducted by The West Bengal University of Health Sciences
- **Diploma in Dietetics**  
Affiliated University: The West Bengal University of Health Sciences  
Annual Intake: 31  
MCI recognition: No  
Admission procedure: Through Common Entrance Examination conducted by The West Bengal University of Health Sciences

## *Faculty*



Dr. Shibani Datta  
Professor & HOD  
M.B.B.S., D.C.H & MD

E-mail: shibani.datta@yahoo.co.in  
Mobile No.: 9433424805  
Area of expertise: Nutrition Education, Public Health Administration, Community Nutrition.



Mr. Prasun Roychowdury  
Demonstrator, M.Sc.  
(Biochemistry)

E-mail: prasun.bkp@gmail.com  
Mobile No.: 8981557579  
Area of expertise: Nutritional Biochemistry, Stress Management with Nutritive Molecules, Impact of Climate Change on Human Nutrition.



Ms. Anindita Bhattacharjya  
Demonstrator  
M.Sc. (Biochemistry),  
B. Ed., Diploma in Sanitary  
Inspector

E-mail: aninditabu92@gmail.com  
Mobile No.: 9382170722  
Area of expertise: Nutritional Biochemistry,  
Contaminates in Food (antibiotics), Dietetics,  
Water Pollution.

### *Other Members*

<b>Post/Category</b>	<b>No. in position</b>	<b>Activities performed</b>
Laboratory Technician	6	Assist Faculty to conduct practical classes
Stenographer	1	Secretarial Assistance
Laboratory Assistant	0	Assist Faculty to conduct practical classes
Laboratory Attendant (MTS)	3	Support Service
Senior Cook	1	Assist Faculty to conduct practical classes
Cook	1	Assist Faculty to conduct practical classes
MTS	0	Support Service

### *Publications*

- **Book chapter published by Prof. Shibani Datta**

Shibani Datta (2021). "The Current Scenario of HIV/AIDS in India", In Book, Innovation in Microbiology and Biotechnology. Publisher: SCIENCEDOMAIN INTERNATIONAL, Tarakeswar, West Bengal, India. Manuscript number: 2021/BP/1743A.

- **International publication by Mr. Prasun Roychowdhury**

Roychowdhury, P., Aftabuddin, M., & Pati, M. K. (2021). Thermal stress-induced oxidative damages in the liver and associated death in fish, *Labeo rohita*. *Fish physiology and biochemistry*, 47(1), 21–32. <https://doi.org/10.1007/s10695-020-00880-y>

### *Research Work*

- **Under the guidance of Prof. Shibani Datta**

- A study on cognitive Impairment among Adults aged 55 yrs. and above in a rural area of Hooghly district, West Bengal. By Dr. Biswadip Chatterjee, M.D student (2019-2022).
- A study on morbidity pattern and Health seeking Behaviour among Zari embroidery workers in a rural Community of Howrah District, West Bengal. By Dr. Dipankar Jana, M.D student (2021-2024).

- Assessment of the impact of Dietary Habits on Body Mass Index and Menstrual Irregularities. A study among female undergraduate and post graduate students. By Ayantika Mukherjee, MSc Applied Nutrition 2nd yr. (2021-2022).
- A cross sectional study on Morbidity Profile of Printing Press workers in Madhyamgram Municipality area of North 24 pgs. By Dr. Tanaji Mukherjee, MD student (2021-2024)
- A study on Inpatient Experience and quality standards in Gynaecology and Obstetric department of a secondary level hospital in Hooghly District of West Bengal by Dr Kamal Kishore Singh, MD student (2021-2024)
- **Under the guidance of Mr. Prasun Roychowdhury**
  - To study the consumption pattern of junk food and soft drinks with obesity and physical activity among adolescents. By Piasa Das, MSc Applied Nutrition 2nd yr. (2021-2022).
  - To study the association of dietary and lifestyle choices with constipation among adolescents in an urban area of West Bengal. By Meghma Neogy, MSc Applied Nutrition 2nd yr. (2021-2022).
- **Under the guidance of Ms. Anindita Bhattacharjya**
  - To study the relationship between food intake frequency and menstrual distress among high school females. By Aratrika Mukherjee, MSc Applied Nutrition 2nd yr. (2021-2022).
  - To study the assessment of nutritional status of children in the age group of 1-12 years in village area of Bankura district. By Sandhyarani Murmu, MSc Applied Nutrition 2nd yr. (2021-2022).
- **Evaluation of Ph.D. Thesis**
  - Prof. Shibani Datta, Head of the Department evaluated one Ph.D. thesis titled “Bio banking and responsible Innovation: Framing Issues, values and practise in Umbilical cord stem cell Banking in India” by Ms. Astha Jaiswal under the Central University of Gujrat.
- **Reviewed articles**
  - Prof. Shibani Datta reviewed one articles from the Journal of Case Reports in Medicine and Health.
- **PhD thesis submitted:**
  - Final thesis of Ph.D. entitled “Understanding Biochemical Pathways due to Thermal Stress of Carp Fishes and Their Mitigation Measure” was submitted in Vidyasagar University, Midnapore by Mr. Prasun Roychowdhury, Demonstrator.

- **M. Sc. (Applied Nutrition) Dissertation research completed:**
  - Hypertension among adults and its association with overweight/obesity: a review.
  - A review on assessment of nutritional status among school going children in rural area.
  - Study on dietary practices of COVID-19 infected patients during their isolation period.
  - A study on association between consumption of sweetened carbonated beverages and obesity among college going students of UEM, Kolkata.
  - A systematic review on knowledge and practice regarding DASH Diet among Hypertensive patients.
  - Association Between Obesity and Sleeping Pattern in Children and Adolescents.
  - A Narrative Review on Assessment of Nutritional Status & Physical Activity Level among Information Technology Workers.
  - A systematic review on the current evidence of correlation between Diabetes and Covid-19.
  - Systematic review on Prevalence, complication and treatment of eating disorder.
  - Prevalence of NCD among school going children.
  - A review study of some major factors associated with dental caries among 1-17 years old children in India.
  - A systematic review on Dietary Diversity and associated factors.
  - Impact of COVID-19 on dietary practices of factory workers during lockdown period.
  - Relationship between dietary pattern & risk of Alzheimer's disease or cognitive decline in elderly: A systematic review.
  - A study on hygienic and cleanliness practices of Mid-Day Meal programme in primary and upper primary schools in India.
  - Reusability of cooking oils amongst the households of Asansol.
  - A review study on knowledge, attitude and practice regarding the effect of fast food among college going students.
  - Parental perception of weight status in children & its influence on diet pattern- A systematic review.
- **M. Sc. (Applied Nutrition) Dissertation research ongoing:**
  - A cross- sectional study on nutritional status of women of reproductive age group residing in a rural area of Hooghly district, West Bengal.
  - A study to explain the link between insufficient sleep and obesity or overweight among adolescence at Kukura Anilabala High school, Purbo Bardhaman.
  - A study to assess Nutritional status among Elderly population in a municipal area, Barrackpore, 24 PGS (N).

- To study the consumption pattern of junk food and soft drinks with obesity and physical activity among adolescents.
- Assessment of the impact of Dietary Habits on Body Mass Index and Menstrual Irregularities: A study among female undergraduate and postgraduate students.
- A Study on Perception and Practices Regarding Complementary Feeding Among Mothers Having Children Aged 6-24 Months at Word No-42 In Durgapur M. Corp., Paschim Bardhaman, West Bengal.
- To study the association of dietary and lifestyle choices with constipation among adolescents in an urban area of West Bengal.
- A study on Polycystic Ovary Syndrome and its risk factors among undergraduate and postgraduate college students in selected colleges of Kolkata, West Bengal.
- A Cross-sectional study on the prevalence of eating disorder and associated comorbidities among 15-19 years adolescent girls, Kolkata, West Bengal.
- Assessment of nutritional status and nutrition related knowledge of women of reproductive age group (15 – 49 years) attending Urban & Health Unit, Chetla, Kolkata.
- Study on assessment of nutritional status among young housewives in a rural slum area of Chandpara, West Bengal.
- A study on effect of COVID pandemic on ICDs services of Kantadighi village, Bankura District, West Bengal.
- To study the relationship between food intake frequency and menstrual distress among high school females.
- A study to assess the prevalence of hypertension, its associated risk factors and health seeking behaviour among adults in a village of Purba Medinipur.
- A study to assess the awareness of mothers having children under 5 years of age about food product labelling of packed food in an urban community, Howrah.
- To study the assessment of nutritional status of children in the age group of 1-12 years in village area of Bankura district.

### *Conference/Seminars/Workshop/ Attended*

- **Participation of Prof. Shibani Datta in training program**
  - On Good Clinical Practice and Regulatory Aspects of clinical Research in India held in School of Tropical Medicine in November 2021.
- **Participation of Anindita Bhattacharjya in training program**
  - Training on the Operation and User Maintenance of the Instrument Lisa XL (Elisa Machine) in August 2021, Conduct by Transasia Bio Medical Ltd.
  - Training on Pre-Harvest Sampling Testing and Analysis of Chloramphenicol and Nitrofurantoin Metabolites by Elisa Method in September 2021, Conduct by MPEDA Quality Control Laboratory. Bhubaneswar.

- Training on Overview of ISO/IEC:17025:2005 & 2017 in October 2021, Conduct by MPEDA Quality Control Laboratory. Bhubaneswar.
- Training on Method Validation on Kits as per CRLs (20/01/2010) guidelines in October 2021, Conduct by MPEDA Quality Control Laboratory. Bhubaneswar.

### *Membership of Committees*

- Participation of Prof. Shibani Datta in different Committees:
  - Chairperson of Internal Complaint Committee.
  - Chairperson of Transparency Audit Committee.
  - Member of the Medical and Public Health Education Unit.

### *Examiners*

- Prof. Shibani Datta, Head of the Department acted as
  - Examiner of Dip Diet Final Examination.
  - Examiner of MSc. Applied Nutrition 1st year Final examination.
  - Examiner of MSc. Applied Nutrition 2nd year Final Examination.

### *EMR Duty:*

- Prof. Shibani Datta Performed EMR duty in Bhubaneswar for Surveillance of COVID situation in July 2021.

# EPIDEMIOLOGY

## *Introduction*

The Department of Epidemiology was established along with the formation of the Institute in 1932. The Department is the First Institute/College having a separate Epidemiology Department in India.

The department has played significant role in the development of the discipline of epidemiology and of community health in broader sense. The department has been pioneer in carrying out General Health Survey in the population of its rural field practice area in Singur, Hooghly District West Bengal. The department had been involved in identifying the problem of Arsenicosis as a major public health problem in the country. The department has been involved in carrying out many surveys. Lal RB, Roy SC had conducted investigation of epidemic dropsy in 1930. Work was done on chronic arsenic toxicity from drinking water from tube wells in rural West Bengal in 1980s. The Sonagachi Project launched in 1992 by the Dept. in Sonagachi red light area of Kolkata, has evolved into a multi-faceted community effort to empower sex workers (particularly women) in ways that go beyond HIV prevention. The Sonagachi Project has been identified as a World Health Organization (WHO) model.

The department has been the nodal department in monitoring and supervision of HIV sentinel surveillance in West Bengal and North Eastern States of India. It is also the nodal dept. for IDSP (TOT) and Field Epidemiology Training Program (FETP) in North Eastern States and West Bengal.

The Department practices epidemiology as a broad scientific discipline, addressing the occurrence of disease and the distribution of health status in populations. By integrating causal concepts at the molecular, cellular, clinical, and social-environmental levels, our faculty work to maintain an intellectual environment that facilitates the integration of biological, social, and analytic approaches. Within such an environment, faculty and students are able to develop the breadth of knowledge necessary to appreciate fully the complexities of the biosocial systems that we seek to understand and modify. The department strives to better understand the burden and causes of health problems in human populations, and to make changes that decrease risk and improve health.

The Mission of the Department of Epidemiology at AIIH&PH is to contribute to the reduction of the disease burden in human populations through research, education, and service. The research mission is met by study into the risk of disease associated with inherent, acquired, social, or environmental factors, and the development and application of methods to alleviate that risk. These methods range from primary prevention through service provision to modification of social systems. Faculty and students pursue this research mission through research projects conducted both by individuals and by multi-disciplinary teams.

The educational mission includes the training of students to generate and interpret epidemiologic information, to synthesize it with other information, and to apply it to reduction of the disease burden. Graduates from the Department's research and training programs are prepared to develop their careers as independent researchers and health managers, and all Departmental graduates are prepared to take up leadership positions in public and private agencies involved with health care or research.

### *Teaching Activities*

- **Regular Courses Conducted:**

- The department has introduced three years MD (MPH-Epidemiology) course from 2016, which is now a regular MCI recognised MD course of the institute.

- **Regular Activities:**

- Departmental faculty take regular theory and practical classes as well as organize community based learning experiences to the Post Graduate students e.g. MPH (Epidemiology), MD (Community Medicine), MVPH, PGDPHM, DPH, DHPE, MSc (Applied Nutrition), DHS etc.
- The Department faculty guided and supervised the core course students in conducting Community Diagnosis survey, Risk Factors of Non Communicable Diseases, and Immunization Coverage Evaluation survey by 30 Cluster Technique at Singur, Hooghly. The departmental faculty also provided guidance and supervision in Family Care program of core course students in UHU&TC, Chetla Kolkata.

### *New Initiatives*

- Initiatives taken for under graduate (MBBS) teaching assignments of students of MD (MPH Epidemiology) course conducted by this department in State Medical Colleges.
- Initiatives taken for considering the MD (MPH Epidemiology) degree as essential qualification for selection/recruitment of all relevant "Public Health" posts/courses esp. for i) Public Health Specialists/Epidemiologists ii) Senior Residency and subsequent Teaching Faculty (Assistant Professors onwards) positions in departments of Community Medicine/Public Health/ Preventive & Social medicine etc. and iii) Any existing DM course where MD (Community Medicine) is eligible.
- Initiatives taken to include "MD" in the nomenclature of the course "Master of Public Health (Epidemiology)" - it succeeded as NMC has included it under "MD" course, renamed it as MD (Master of Public Health - Epidemiology)[as per their letter No NMC/MCI-23(1)/2021/Med/028828 dated 25-10-2021]

### *Collaborations*

- Department is conducting IDSP Training in collaboration with CSU IDSP.

## Faculty



Dr. Sanjoy Kumar Sadhukhan  
Director Professor & Head  
M.D.

E-mail: sdknsanjoy@gmail.com

Mobile No.: 9836287874

Area of expertise: Epidemiology,  
Research methods, Programme  
Evaluation, Biostatistics.



Dr. Dipak Pal  
Director Professor &  
Vigilance officer  
M.D.

E-mail: drdipakpal@yahoo.co.in

Mobile No.: 9433187734

Area of expertise: Non Communicable Disease  
Epidemiology, Disaster Epidemiology, Disease  
Surveillance.

## Other Members

Designation	Number	Activities Performed
Stenographer	1	Secretarial Assistant
DEO	1	Supportive Service
Lab. Attendant	1	Collection of Lab samples in the field & Supportive Service
MTS	1	Supportive Service

## Publications:

- Singh P, Bhattacharyya S, **Pal D**, Raj A, Banik A, Chattopadhyay UK. Study of Asymptomatic Bacteriuria among Pregnant Women Attending Antenatal Clinic at Anandanagar Health Centre under Singur Block, India. Global Journal of Pathology and Microbiology, 2020, 8, 12-18.
- Haque HZ, **Pal D**, **Sadhukhan SK**, Das S. A cross-sectional study on oral hygiene among Santhal tribal adults in a rural area of West Bengal. J Family Med Prim Care **2021**; 10: 2859-64
- Bhattacharyya A , Halder S , Mandal T, **Sadhukhan SK** , Samajdar SS and Tripathi SK et all. Effect of Angiotensin Converting Enzyme Inhibitors/Angiotensin Receptor Blockers on COVID-19 outcome: A Record Based Observational Study in West Bengal. JAPI. **July 2021**; V 69 (7): 28-33
- Das S, **Pal D**, **Sadhukhan SK**, Haque HZ, Datta M. A Cross-Sectional Study on Prevalence of Post-Natal Depression and its Associates among Women in a Rural Community in Hooghly District, West Bengal. J Comp Health. **2021**; 09(1): 32-37.
- Pal A, Dasgupta A , **Sadhukhan SK** , Bandyopadhyay L , Paul B and Podder D. How common are aches and pains among garment factory workers? A work-related musculoskeletal disorder assessment study in three factories of South 24 Parganas district, West Bengal. J Family Med Prim Care **2021**; 10: 917-21

### *Attendance/Presentations in Conferences:*

- In 36<sup>th</sup> Annual Conference of Indian Association of Preventive & Social Medicine, West Bengal chapter: (held in Kolkata, December 2020)
  - Dr. S. K. Sadhukhan - Acted as a Judge (online) for the MM Ganguly Award Paper presentation.
- In 65<sup>th</sup> Annual National Conference of Indian Public Health Association (IPHACON), JIPMER, Puducherry
  - Dr. Subhrajeet Chakraborty [JR-MD (MPH Epidemiology)] Presented e-paper entitled “Anaemia and its Determinants amongst Peri-Menopausal Women in a Rural Community of West Bengal.”
  - Dr. Mita Basu [JR-MD (MPH Epidemiology)] Presented e-poster entitled “Does COVID-19 affect IDSP Trends? An experience from a Primary Health Centre in West Bengal.”

### *Research Work*

- Dr. Sanjoy Kr. Sadhukhan acted as a guide in thesis work on:
  - Morbidity, Health Seeking Behaviour and Health Expenditure in Rural Community of Hooghly District, West Bengal by Dr. P. Ghosh, MD(PSM) student 2018-21 batch
  - A study on early marriage and its associates in Singur block, Hooghly district, West Bengal by Dr. S. Das, MPH student, 2018-21 batch.
  - A cross sectional study on depression and its associates amongst school going adolescents in Singur, A rural area of West Bengal- Dr Subhrajeet Chakraborty, MPH (Epidemiology) PGT, Session - 2019-22.
  - A Community Based Cross-Sectional Study on Self Medication Practices among Adults in a Rural Community of Hooghly District, West Bengal, India – Dr. Subrata Halder, MPH (Epidemiology) PGT, Session – 2020-23.
  - A Cross-Sectional Study on Asymptomatic Bacteriuria and Associated Factors among Pregnant Women in a Slum of Kolkata, India - Dr. Smita Dolui, MPH (Epidemiology) PGT, Session – 2020-23.
  - A Comparative Study on Drug Compliance and Life Style among Adult Hypertensive patients visiting a rural and urban Health Center in West Bengal - Dr. Rajkumar Bhattacharya, MPH (Epidemiology) PGT, Session – 2020-23.
  - Perceived Stress and Quality of life of Accredited Social Health Activists in South 24 Parganas Health District of West Bengal - Dr. Mita Basu, MPH (Epidemiology) PGT, Session - 2020-23.

- Prevalence of Polycystic Ovarian Syndrome and its Risk factors among College Students in selected colleges of Calcutta University, Kolkata, West Bengal - Sukanya Paul, M. Sc Applied Nutrition PGT; Session 2019-21.
- **Others: (guided/helped/assisted)**
  - A. Within AIHH&PH**
    - Medication adherence, Self-care practices and its associated factors among Type 2 diabetic patients in a rural area of West Bengal
  - B. Outside AIHH&PH**
    - Study on Risk Factor of NCDs with special focus on CVDs and Diabetes prevailing among the employees in NSCBI Airport Kolkata by Dr. M. Kundu, PH Specialist, NSCB airport, Kolkata.
    - Medical Co-morbidity, Drug Use and Medication Management Perspective among the Geriatric population: A study from an Urban Community of Kolkata by Dr. A. Sinha, NICED.
    - Effectiveness of Health and Wellness Centers under Ayushman Bharat in reducing Out of pocket expenditures of Geriatric population: An ICMR Task Force study - by Dr. A. Sinha, NICED.
    - Dementia Caregiver's Burden and its Associates: a Multicentre Study across Four sites in India - by Dr. A. Sinha, NICED.
- **Dr. Dipak Pal acted as a guide in thesis work on:**
  - A cross sectional study to assess frailty and quality of life among elderly population residing in rural area of Singur ,West Bengal -Dr. Saurya dipta Ghose, MD (Community Medicine) PGT, Session - 2018-21.
  - A community based study on sleep quality and its associates among adults in a rural area of Hooghly district, West Bengal – Dr Kuntal Pal, MPH (Epidemiology) PGT, Session - 2019-22.
  - A Case Control Study of Maternal Near Miss at a Tertiary Level Care & Teaching Hospital,Kolkata - Dr. Ayon Maiti, MD (Community Medicine) PGT, Session - 2020-23.
  - An Epidemiological Study on Hearing Loss with Special Emphasis on Noise Induced Hearing Loss among Printing Press Workers of Howrah Municipal Corporation, West Bengal - Dr. Neera Rawat, MPH (Epidemiology) PGT, Session -2020-23
  - Hypertension among adults and its association with overweight / obesity : a review – Amrita Biswas, M.Sc (Applied Nutrition) PGT, Session – 2018-20

- A Study to Assess the Awareness of Mothers Having Children Under 5 Years of Age about Food Product Labelling of Packed Food in An Urban Community, Howrah - Bonashree Mazumder, M.Sc (Applied Nutrition) PGT, Session – 2020-22
- **Short Studies completed till date:**
  - A Cross Sectional Study on Oral Hygiene among Santhal Tribal Adults in a Village of Paschim Bardhaman, West Bengal
  - A cross-sectional study on prevalence of Post-Natal Depression and its associates among women in a rural community in Hooghly district, West Bengal.
  - Cross sectional study on prevalence of sleep hygiene, sleep quality and excessive day time sleepiness and factors affecting quality sleep among students of AIIH&PH, Kolkata.
  - Cross sectional study on e-waste management and practices among college students.
  - Internet addiction among undergraduate students of a college in a district of West Bengal.
  - Does COVID-19 affect IDSP Trends? An experience from a Primary Health Centre in West Bengal
  - Anaemia and its Determinants amongst Peri-Menopausal Women in a Rural Community of West Bengal.
  - Knowledge, Attitude and Practice related to Covid, amongst Primary level Health Care workers in a Rural area of West Bengal.
  - Effect of Empowerment on Nutrition and Dietary Patterns amongst Tribal Women in a Village of Sunderbans, West Bengal.
  - A Study on Knowledge about Oral Cancer and its Attitude towards Tobacco use among Adults attending Tobacco Cessation Centre (TCC) in a District Hospital of West Bengal: An Institutional based Short Study.
  - COVID-19 related Knowledge Attitude and Practice among adults in a Rural area of Hooghly District, West Bengal, India.
  - Chronic low back pain and distress associated with it among adults in an Urban Slum of Kolkata, West Bengal.
  - Pattern of Skin diseases among patients attending OPD of Urban Primary health centre at Kolkata, West Bengal - A cross sectional study.
  - Determinants of Covid 19 Vaccine Hesitancy among adults in an Urban area of West Bengal- A cross sectional study

### *Seminars/Workshop/Training programs Attended*

- **Dr. Sanjoy Kr. Sadhukhan Director Professor & Head**

- E-learning module on “FAQ on Oxygen and Ventilation in ICU”(online) – on 15.05.2021, organized by Immunology & Microbiology division of Tech Care for All India Pvt. Ltd., Medical Learning Hub.
- Workshop on Health Economics (online) – on 21.05.2021, organized by ICMR Centre for Advanced Research in Evidence Based Child Health, Advanced Pediatrics Centre & Head, Department of Telemedicine, PGIMER, Chandigarh
- Introduction to Cochrane Library (online) – on 18.06.2021 organized by Wiley India.
- Workshop on Health Technology Assessment (online) – on 10.08.2021, organized by ICMR Centre for Advanced Research in Evidence Based Child Health, Advanced Pediatrics Centre & Head, Department of Telemedicine, PGIMER, Chandigarh
- NITRD-CTD-NTF Difficult to Treat TB Clinic on “TB in COVID-19 time” (online) – on 18.08.2021, organized by National Institute of Tuberculosis and Respiratory Disease.
- Orientation program for MINerVA: Strengthening National Mortality Surveillance in India (online) – on 06.10.2021, organized by Sri Ramchandra Institute of Higher Education.
- Workshop on ‘Good Clinical Practice and Regulatory Aspects of Clinical Research in India’ (offline) organized by School of Tropical Medicine, Kolkata in collaboration with AIIH&PH, Kolkata on 03.11.2021.

- **Dr. Dipak Pal, Director Professor**

- National level TOT on IDSP organised by CSU, IDSP held at NIHFWS, New Delhi from 22nd - 26th February, 2021
- Orientation workshop on Vigilance Awareness organized by DGHS, MoHFW, Govt. of India , held at AIIH&PH, Kolkata on 27th March, 2021
- Workshop on ‘ Good Clinical Practice and Regulatory Aspects of Clinical Research in India’ organized by School of Tropical Medicine, Kolkata in collaboration with AIIH&PH, Kolkata on 03.11.2021.

### *EMR Duty:*

- **Dr. Sanjoy Kumar Sadhukhan:**

- In Dhule District of Maharashtra from 08.04.2021 to 14.04.2021 to assist State Health Departments in COVID-19 management.

- In the state of Arunachal Pradesh from 05.07.2021 to 11.07.2021 to assist State Health Departments in COVID-19 management.
- **Dr. Dipak Pal**
  - As a member of Central multi-disciplinary Team to assist State Health Department in COVID-19 management in the state of Meghalaya on and from 14.07.2021 to 20.07.2021.

### *Membership of Committees*

- **Dr. S. K. Sadhukhan,-Director Professor & Head:**
  - Apron Committee
  - Quarter Allotment.
  - Screening for Appointment on Compassionate ground.
  - Vehicle.
  - IT Capacity Building.
  - Medical & Public Health Education Unit
  - Journal Management committee, IJH&PH including Asstt. Managing Editor & Editor.
  - Techno-Commercial Committee
  - Committee for implementing EWSs reservation policy in Recruitment & Student admission.
  - Institutional Ethics Committee.
  - Member, Board of Studies, the WBUHS, Post graduate Medical Courses, AIIH&PH, Kolkata.
- **Dr. D. Pal, Director-Professor:**
  - Member, Expert Committee on Medical Sciences including Public Health related to Research & Development projects under the Department of Science & Technology and Biotechnology, Govt. of West Bengal.
  - Member, Institutional Ethics Committee of Institute of Development Studies Kolkata, Salt Lake.
  - Chairman, Preventive Vigilance Committee, AIIH&PH, Kolkata
  - Member, Screening Committee for Purchase, AIIH&PH, Kolkata;
  - Member, Welfare Committee for appointment on Compassionate ground, AIIH&PH, Kolkata;
  - Member, Board of Studies, the WBUHS, Post graduate Medical Courses, AIIH&PH, Kolkata.

### *Examiners:*

- **Dr. S. K. Sadhukhan, Director Professor & Head acted as**
  - Paper Setter for MSc Applied Nutrition, Dip-diet & MD (MPH-Epidemiology) Examinations of WBUHS.
  - Internal Examiner & Convener for MD (MPH-Epidemiology) examination of WBUHS (July-August & November 2021).
- **Dr. Dipak Pal, Director-Professor acted as:**
  - External Examiner of Ph.D. Viva-voce Examination of the West Bengal University of Health Sciences on 26th August, 2021
  - Paper setter and Internal Examiner of MPH (Epidemiology) Examination, (July-August and November, 2021) of the West Bengal University of Health Sciences.
  - Paper setter of DPH Examination 2021 of the West Bengal University of Health Sciences
  - Adjudicator of five dissertations of MD (Community Medicine) of the West Bengal University of Health Sciences.

### *Field Activities/Programmes Undertaken:*

- MPH (Epidemiology) students of the session 2019-22 conducted Health Situational Analysis, Secondary Data Analysis, National Health Programme Evaluation and Surveillance System Evaluation in districts of 24 Parganas(North), 24 Parganas (South), Howrah and Hooghly.
- Dept. coordinated Community Diagnosis Survey, Risk Factors of Non Communicable Diseases, and Immunization Coverage Evaluation Survey by 30 Cluster Technique at Singur, Hooghly.

### *Administrative Responsibilities*

- **Dr S. K. Sadhukhan**
  - Nodal Officer for
    - i) MCI-DMMP project I & II
    - ii) National Identification Number project
  - Holding additional charge of Dept. of Sanitary Engineering
  - Reporting officer for official email creation in AIIH&PH
  - Assistant Managing Editor, then Managing Editor of institute e-journal
  - Editorial Board member of Journal of Comprehensive Health
- **Dr. Dipak Pal**
  - Vigilance Officer of AIIH&PH, Kolkata and Office of the Asst. Drugs Controller (I), Kolkata.

*Some Photographs of Our Activities:*



*Figure 4: Dr. S. K. Sadhukhan in EMR duty in Arunachal Pradesh*



*Figure 5: Dr Dipak Pal, Director-Professor on EMR duty in Meghalaya discussing with Active Surveillance team at a containment zone of Nonglum Village, District - Ri Bhoi*



Figure 6: Dr. S. K. Sadhukhan in EMR duty in Dhule district of Maharashtra



Figure 7: Dr Dipak Pal, Director-Professor on EMR duty in Meghalaya - Visit to Sohra CHC, East Khasi Hills.



# HEALTH PROMOTION & EDUCATION

## *Introduction*

Health Education is a process which affects changes in health behaviour of people. The training in Health Education at post graduate level is directed to study and understand various factors involved in the process of imparting knowledge and changing attitude and behaviour of the people so as to promote health. It is an integral part of the institute and actively involved in teaching and training activities in the field of health education and promotion; specially the techniques and methods of assessing health needs, educational needs and planning for changing undesirable health behaviour to different post graduate courses run by the institute. Since 1966 the department is conducting a Diploma course in Health Education and has produced more than 1179 trained manpower in Health Promotion and Education.

## *Teaching Activities*

- **Regular Course(s) Conducted:**
  - Diploma in Health Promotion and Education – a one year post graduate course for developing Health Promotion and Education Specialists. The course has an intake capacity of 46 and is affiliated to the West Bengal University of Health Sciences.

## *New Initiatives:*

- Online short training program on “Social and Behaviour change communication” was conducted on 28 June, 2021

## *Faculty*



Dr. C. S Taklikar  
Prof. & HoD  
MBBS, MD (PSM)

E-mail: shekhartaklikar@gmail.com  
Mobile No.: 9230278846  
Area of expertise: Health Promotion,  
Health Education, Nutrition Education.



Dr. Madhumita Dobe,  
Director Professor M.B.B.S.,  
D.C.H., MD, MCH, FIPHA

E-mail: madhumitadobe@gmail.com  
Mobile No.: 9830123754  
Area of expertise: Health Promotion, Health  
Education, Health Communication, Qualitative  
Research and Health Impact Assessment

## *Other Members*

Designation	Number	Activities Performed
Photographer	1 - Vacant	Photography (Retired in Aug-2017)
Stenographer	1	Secretarial Assistance

<b>Designation</b>	<b>Number</b>	<b>Activities Performed</b>
Cine-Technician	2 - Vacant	Arrangement of IEC material, OHP etc. in the classrooms.
MTS	2*	Support Service
*Erstwhile one Carpenter & one Peon.		

### *Publications*

- D Dutta, A Dasgupta, S Roy, CS Taklikar, D Ghosh, B Paul Does infertility affect the quality of life of infertile women? A study in a gynaecology outpatient department of a tertiary care hospital of Kolkata Medical Journal of D.Y Patil Vidyapeeth 2021 DOI: 10.4103/mjdrdypu.mjdrdypu\_8\_20 <https://www.mjdrdypv.org/preprintarticle.asp?id=321279>
- Arista Lahiri, Sweety Suman Jha, Arup Chakraborty, Madhumita Dobe, Abhijit Dey. Role of Threat and Coping Appraisal in Protection Motivation for Adoption of Preventive Behavior during COVID-19 Pandemic, Frontiers in Public Health, section Public Health Education and Promotion.
- Submitted for publication in IJHPH- Dobe M, Sahu M, Taklikar CS, Dutta S, A Study on risk perception, cognitive awareness and emotional responses to identify unmet training needs of frontline Health Workers for COVID-19 containment in selected districts of Odisha, India.

### *Training program*

- Training program on “Office Ergonomics “was conducted for employees of Health Department of Govt. of West Bengal at Swasthya Bhavan on 24 and 31st Aug, 2021
- Training program on “Office Ergonomics “was conducted for employees of Patton International on 16 and 24th Nov, 2021

### *Research Work*

- A Community Based Study on Health Literacy and its Associates among Adults in a Rural Area of Hooghly District, West Bengal.
- A Cross-sectional Study on Health Status and Health Seeking Behavior of School-going Adolescents in a Rural Area of Hooghly District, West Bengal
- A Study on Health Care Utilization & Out of Pocket Expenditure During Covid-19 Pandemic Among Households in an Urban and Rural Area of West Bengal
- A study on respiratory and other occupational morbidities among the railway freight handlers, in a station siding in a selected division of the Eastern Railway
- An interventional study based on health belief model among women of age 30-65 years in a slum in Kolkata regarding perceptions towards cervical cancer screening

- An interventional study on physical activity and healthy diet based on the theory of planned behaviour, among adolescents in a school in Uttar Para, Hooghly.

*Conference/Workshop/Seminars attended)*

- **Dr. M. Dobe**
  - Good Clinical Practice training 2021 at STM, Kolkata
- **Dr. C. S Taklikar**
  - IAPSM Young Leaders' National Conclave 2021 26-27 March
  - Good Clinical Practice training 2021 at STM, Kolkata

*Committees*

- **Dr. C. S Taklikar**
  - Member Secretary/Nodal Officer:**
    - Recruitment committee
    - Head –Social network
    - Hostel canteen committee
    - Board of Studies Non-MCI courses
    - Nodal Officer for AI 50 % Quota PG counselling
    - OBC reservation review committee
    - Publication committee- Foundation Day 2021
  - Member:**
    - Cadre review committee
    - Canteen committee
    - Plastic Hazards committee
    - Hostel Canteen committee
    - DSC & MACP committee
    - Faculty council
    - Scientific committee
    - Academic cell
    - Medical & Public Health Education Unit
    - IJHPH editorial board member
    - BOS of MCI courses
    - Member CBPHEM – Trainings
    - Public Health & Medical Education Unit
    - Institutional Ethics committee
    - Classroom Renovation committee

- **Prof. M. Dobe – Director-Professor**

- Advisor, Technical Advisory Committee (TAC), WBSAP&CS.
- Member of the expert advisory group of IFH.
- Member, Scientific Advisory Committee, NIPER.
- Regional editor for the SEA Region SEEJPH.
- Member, SAC, Fortis Hospitals.
- Member, Institutional Ethics Committee, Institute of Development Studies, Kolkata.
- Member, Advisory Council of the Indian Institute of Public Health, Delhi.

### *EMR*

- Dr. M. Dobe was posted as Central team member to assist State govt. Of Assam in prevention & control of Covid-19 July, 2021

### *Examiners*

- Dr. M. Dobe acted as paper setter and Examiner for DHPE University examination 2021.
- Dr. C.S Taklikar acted as paper setter and Examiner for DHPE University examination 2021.
- Dr. C. S Taklikar acted as paper setter and examiner for Dip. Diet and DHS examination.

### *Achievements*

- Dr. M. Dobe participated in Health Awareness programs conducted by AIR on: Covid 19 infection – prevention and addressing panic 2021
- Dr. M. Dobe acted as Coordinator – multi-centric projects on Community behaviour theme - by Malaria Elimination Research Alliance – India (MERA India), ICMR

*Some Photographs of Our Activities*

**Swachhata Pakhwara 1-14 April, 2021**



*Awareness Program for MTS on solid Waste Management during COVID Pandemic conducted on 13.04.2021*



# MATERNAL & CHILD HEALTH

## *Introduction*

All India Institute of Hygiene & Public Health, Kolkata was established in 1932 with four sections, namely – Public Health Administration, Malariology & Rural Hygiene, Vital statistics & Epidemiology and Biochemistry & Nutrition. Soon after the inception of the institute – the Countess of Dufferin Fund, which had been working for the development of medical care of women & children, felt the need of developing and expanding the preventive & promotive aspects in the field of Public Health and accordingly the fifth section of the Institute in the name of “Maternal & Child Health” was created.

The Department of Maternal and Child Health is concerned with Teaching, Training, and Research and for delivery of Services for Mothers, Children and Adolescents within the framework of general and reproductive health services. Emphasis is given on teaching & training for the delivery of health services through integration of preventive, promotive, clinical and managerial skills. Obstetric and Paediatric wards and Adolescent health clinic of the neighbouring Medical Colleges and the Urban and the Rural Health Centres of AIH&PH, Kolkata are extensively used for the practical / field-based hands-on-training in reproductive and child health, adolescent health and family welfare. The research activities of the department primarily focused on reproductive health, safe motherhood, child growth and development & health problems, adolescent health and various aspects of family welfare.

In 1933, Diploma in Maternity and Child Welfare (DMCW) - postgraduate diploma course was started under “Faculty of Tropical Medicine and Hygiene” to equip women doctors in administrative and other service positions. Later on, in the year 1946 – 47, this post-graduate course was affiliated to University of Calcutta and it was made open to both male & female medical graduates. At present the two-years - post-graduate Diploma in Maternity and Child Welfare (DMCW), a MCI recognized course is affiliated to West Bengal University of Health Sciences (WBUHS). This Post-graduate course equips the medical graduates for administrative, clinical service & teaching positions and also to act as public health specialists and health care providers in different aspects of Maternal and Child Health / Reproductive and Child Health in Govt. health services, teaching or non-teaching hospitals, health care delivery systems, non- government organizations etc. Since inception, a total of 990 doctors have been trained in DMCW.

## *Teaching Activities*

- **Regular Courses Conducted:**
  - The department used to conduct DMCW (Diploma in Maternity and Child Welfare) course for MBBS graduates which is a two years PG Diploma Course affiliated to WBUHS and recognised by MCI. Admission of students to this course has been

stopped since academic session 2013-14 due to some issues with MCI. The matter is still under consideration.

- The department is going to introduce shortly a full time regular new post graduate course in the name of M.Sc. in Public Health (MCH) – a two year non-MCI recognised P.G. course for medical graduates. The admission to this new course will begin as soon as the affiliation from the West Bengal University of Health Science is achieved.

### *Regular Activities*

- Teaching and training on MCH/RCH/Family Welfare/related issues imparted to all categories of public health students of all courses of AIIH&PH.
- Providing supervision and guidance in curricular research studies conducted by students of different post graduate courses.
- Supervising/guiding students for the urban and rural field programs like “Family care program” at UHU&TC, Chetla and “Community Diagnosis Program” at RHUTC, Singur.
- Participating in conducting examinations of different PG courses.
- Conducting Family Planning & Gynaecology Clinic (weekly) at UHU & TC, Chetla.
- Conducting Adolescent Health Clinic (fortnightly) at UHU & TC, Chetla.
- The faculty members of this deptt. are involved in a number of different major administrative committees of this Institute.

### *Faculty*



Dr. A. K. Mallick  
Director-Professor & HOD  
M.B.B.S., M.D.(SPM)

**E-mail:** ashokmallick62@yahoo.co.in  
**Mobile No.:** 9433464500  
**Area of expertise:** Health System Management and leadership, HRD, VBDs, Health Promotion & Education, Health education & BCC, Adolescent health & Demography.



Dr. R. N. Sinha  
Director-Professor  
M.B.B.S., D.C.H.,  
M.D.(S.P.M.)

**Email:** rabindranathsinha57@gmail.com  
**Mobile No.:** 9433101001  
**Area of expertise:** RCH/ MCH, Research Methodology, Nutrition, Adolescent Health



Dr. Madhumita Bhattacharya  
Professor, Paeds (eq)/CMO  
MBBS, DMCW, DCH, MD  
(Pediatrics)

**E-mail:** madhumita57@yahoo.co.in  
**Mobile No.:** 85840 57420  
**Area of expertise:** Community Paediatrics, Child Health & Nutrition, Neonatal Care & Resuscitation, Adolescent Health, School Health.



Dr. Asim Sarkar  
CMO(NFSG),  
Asstt. Professor (Till 26-02-2021)  
MBBS, MS (O&G)

**E-mail:** drasimsarkar@yahoo.co.in  
**Mobile No.:** 97353 32147  
**Area of expertise:** Menstrual abnormalities during adolescence, Infective diseases of children, Ultrasound examination.

### *Other Members*

Designation	Number	Activities Performed
Stenographer	1	Secretarial Assistance
MTS	1	Support Service

### *Publications*

- Saha I, Karmakar N, Sarkar T, Sinha R, Venkataraman RP, Chakraborty T. A Community-based study on modifiable risk factors of hypertension among adults of rural Bengal, India. CHRISMED J Health Res 2020;7:223-9 [Web Publication – 25-01-2021 <https://www.cjhr.org/text.asp?2020/7/3/223/307812>]
- Bhattacharyya M, Roy S, Sarkar A, Sinha R N, Mallick A K. Burden of malnutrition among school-going children in a slum area of Kolkata: A matter of concern. Journal of Family Medicine and Primary Care. August 2021;10(8)
- Roy S, Dasgupta A, Bhattacharyya M, Paul B, Bandyopadhyay S, Pal A et.al. Hazardous practices related to blood borne viral infection transmission among male barbers: A study in a rural area of West Bengal. Indian J Public Health 2021;65(1):22-7.
- Banerjee A, Paul B, Dasgupta A, Bhattacharyya M, Bandyopadhyay L, Ghosh P. Anxiety Levels of Doctors Working in Kolkata during COVID-19 Pandemic: A Cross-sectional Study. Journal of Comprehensive Health 2021;9(1):23-31.
- Banerjee A, Paul B, Dobe M, Bandyopadhyay L, Bhattacharyya M, Sahu M. Determinants of Treatment Adherence Among Patients Living with Noncommunicable Diseases: A Mixed-Method Study in a Rural Area of West Bengal. J Patient Exp. 2021 Sep 7;8:2374.

### *Research Work*

- **Dr. A. K. Mallick, Director Professor acted as guide to the following curricular research study:**
  - An Epidemiological study on double burden of Malnutrition among Mother Child Dyads in a rural area of Hooghly District ( Thesis for MD, CM- 2020-23 session)

- A comparative study on Knowledge, attitude and Practice of college going women regarding common Cancer affecting Females in a rural and urban area of West Bengal. (Thesis for MD, CM- 2020-23 session)
- A Study on eating disorders and comorbidities among Adolescent girls in Kolkata, West Bengal (M.Sc. App. Nutrition Session 2020-2022).
- **Dr. R. N. Sinha, Director Professor acted/acting as supervisor-cum-guide to the following curricular research studies:**
  - “Health Related Quality of life of Women having Polycystic Ovarian Syndrome attending a tertiary care Hospital in Kolkata [M.D. (Com Med) thesis 2020-23].
  - “A Community Based Study on Infant and Young Child Feeding Practices in a Rural Area of Hooghly District, West Bengal.” [M.D. (Com Med) thesis 2020-23].
  - “A Study on Delays and Cancer Related Distress among Breast Cancer Patients Attending a Tertiary Care Hospital, Kolkata, West Bengal” [MD (Com Med) thesis 2019-22]
  - Prevalence and risk factors of Non communicable diseases among Adolescents in India: A review (M.Sc.App Nutrition 2018-20)
  - Assessment of nutritional status and nutrition related knowledge and practices of women of reproductive age group attending Urban Health Unit & Training Centre, Chetla, Kolkata. (M.Sc. App Nutrition 2019-21)
- **Dr. Madhumita Bhattacharyya acted as guide for:**
  - As a guide “A study to assess the prevalence of hypertension and nutritional risk factors and health seeking behaviour among adult in a village of Purba Medinipur ,west Bengal M.Sc. (Applied Nutrition 2021-2022)
  - Co-guide for thesis on “A Study on Urinary Abnormality among School Going Adolescents in a Rural area of Hooghly District, Westbengal”. MD (Community Medicine) 2019-22.
  - Co-guide for thesis on “A Study on Assessment on Developmental Delay and Associated Factors in Tribal Children below 5years of age in an Island of Sunderbans” MD (Community Medicine) 2019-22.
  - Co-guide for thesis “A Cross-sectional study on Health Status and Health Seeking Behaviour of School going Adolescents in a rural Area of Hooghly District, West Bengal. MD (Community Medicine, session 2020-23)
  - Co-guide for thesis on “A Cross-sectional Study on Morbidity Profile of Printing Press Workers in a municipality of North 24 Parganas, West Benagal, MD (Community Medicine, session 2020-23)

- Co-guide for thesis on “A Study on Burden of Malaria Infection and Household Level Risk in Urban and Rural Area of West Bengal MD (Community Medicine, session 2020-23)
- Co-guide for thesis on “A study on morbidity and Health seeking behaviour among the Zari Embroidery workers in a rural Community of Howrah district West Bengal” MD (Community Medicine, session 2020-23)
- **Dr. Asim Sarkar acted as supervisor cum guide for:**
  - Attended Family Planning clinics, conducted lectures, administrative work of stores, attended meeting at Delhi for academic purposes.

### *Membership of Committees*

- **Director-Prof. A.K. Mallick acted as:**
  - Chairman , DPC/MACP committee
  - Chairman, Reservation Cell of the Institute;
  - Chairman, Committee for Written examination for Recruitment
  - Chairman, Committee for implementation of EWS scheme.
  - Chairman, Suggestion Committee for SC, ST & OBC students.
  - Chairman, TEC
  - Member Secretary , Institutional Ethics Committee of AIIH&PH, Kolkata;
  - Member Secretary , Board of Studies for MCI recognized courses of AIIH & PH;
  - Liaison Officer of AIIH&PH, Kolkata;
  - Liaison Officer for PWD of AIIH&PH, Kolkata;
  - Nodal Officer for the Institute for All India Survey on Higher Education (AISHE);
  - Member, Scientific Advisory Committee and Academic Cell, AIIH&PH;
  - Nodal officer for PG Admission of State quota;
  - Member, Faculty Council.
  - Member of several other Committees of the Institute;
  - Additional charge of HOD of the Department of PHN
- **Director-Prof. R. N. Sinha acted as:**
  - Chairman, Annual Foundation Day (2020)– Refreshment Committee
  - Chairman, Swachhata Committee
  - Member, Internal Complaints Committee, AIIH & PH, Kolkata
- **Dr. Madhumita Bhattacharyya acted as**
  - Member- Secretary, Sexual Harassment Committee, AIIH&PH, Kolkata;
  - Chairman of Institute Canteen Committee
  - Member of Hostel Canteen Committee, AIIH&PH, Kolkata;

- Member of Library Committee, AIIH&PH, Kolkata.
- Chairman of e-HRMS Committee
- Nodal officer for Observation of Constitution day
- Nodal officer for observation of communal harmony week and Flag day
- **Dr. Asim Sarkar acted as (Till-26/02/2021)**
  - OSD, Stores, AIIH&PH, Kolkata;
  - Member, Condemnation Committee, AIIH&PH, Kolkata;
  - Member, Vehicle Condemnation Committee, AIIH&PH, Kolkata;
  - Member, Medical Bill Reimbursement Committee, AIIH&PH, Kolkata;
  - Member Secretary, Technical Evaluation Committee, AIIH&PH, Kolkata;
  - Member Secretary, Refreshment Committee, AIIH&PH, Kolkata;
  - GEM Consignee, AIIH&PH, Kolkata;
  - Member of evaluation committee, AIIH&PH, Kolkata.
  - Liaison officer -OBC

### *Guest Lectures Delivered:*

- **Dr. Madhumita Bhattacharyya-**
  - Invited as a speaker on Immunology Day -29.04.2021 to speak about “COVID in Children – it’s immunology and other aspect”
  - Invited for giving lecture(online) on occasion of “celebration of breast feeding week” on 7.8.2021 for CDPOs which was organized by Food & Nutrition Board.
  - Invited as Chief Guest and speaker in a Seminar for “Women’s cancer” on 13 th and 14 th August 2021.
  - Invited as a guest speaker by Ministry of information & Broad casting at Purba Bardhaman in “Poshan Mahh” on 10th September 2021, which was broad casted in Doorodarshan.

### *Examiners*

- **Dr. A. K. Mallick, Director-Professor, acted as**
  - Paper Setter for DHPE examination under WBUHS.
  - Examiner, DHPE examination, WBUHS
- **Dr. R. N. Sinha, Director- Professor, acted as-**
  - Examiner of MD Community Medicine of WBUHS at AIIH & PH, Kolkata(July- August 2021)
  - MCQ Paper Setter for DHPE admission test 2021 of WBUHS [June 2021]
  - External Examiner of the viva voce on Ph.D thesis of Calcutta University “Efficacy of Allium ampeloprasum (Garlic) in Counteracting Different

Environmental & Oxidative Stress in Male Albino Rat”. [17-03-2021] at Dept. of Home Science, University of Calcutta

- External Examiner of the viva voce on Ph. D (Sc.) thesis of Calcutta University “Studies on the physiological and nutritional effects of kadam (neolamarckiacadamba) - an underutilized fruit on the experimental animals and its sensory evaluation on human subjects” [09-09-2021] at Dept. of Home Science, University of Calcutta
- Centre-in-Charge for conducting Diploma in Dietetics (August, 2021) theoretical examination of WBUHS at AIIH & PH, Kolkata [12.08.2021 to 16.08.2021]

### *Training received*

- Dr. A. K. Mallick attended training workshop on Good Clinical Practices on 03/11/2021 at School of Tropical Medicine, Kolkata
- Dr. R. N. Sinha attended training workshop on Good Clinical Practices on 03/11/2021 at School of Tropical Medicine, Kolkata
- Dr M Bhattacharyya attended GCP training Workshop on 03/11/2021 at School of Tropical medicine

### *Training conducted by the Department:*

- The department conducted short training courses for newly recruited ASHA workers, working under RHUTC, Singur on Mothers’ Absolute Affection (MAA) on 23/7/2021
- The department conducted short training course on Menstrual Hygiene Management for ASHAs at RHU&TC, Singur on 30/07/2021

### *Achievements*

- Prof. R.N. Sinha is acting as Associate Editor of Indian Journal of Public Health.
- Prof. R. N. Sinha is acting as Chief Editor of Journal of Comprehensive Health
- Dr. Madhumita Bhattacharyya - Invited as Expert of TEC Committee, DBT, Ministry of Science & Technology Govt of India, to evaluate research proposals on Maternal & Child Health on 28th and 29th July 2021 on-line which was held at New Delhi.

### *EMR duties:*

- Dr.A.K. Mallick performed EMR duties as a member of the Central team in West Bengal to Monitor, Supervise & Support the State Health Department for COVID -19 Pandemic during 26-19th October, 2020.

- Dr. R. N. Sinha, as member of Central Health Team, was deputed to Sikkim to assist the health department in review of public health measures and clinical management for Covid-19 in the state. [20-12-2020 to 25-12-2020]
- Dr. R. N. Sinha, as member of Central Health Team, was deputed to Amritsar district of Punjab to assist the district health department in review of public health measures and clinical management for Covid-19 in the district [08-04-2021 to 13-04-2021]
- Dr. R.N Sinha, as member of Central Health Team, was deployed to Tripura to assist the state in prevention and management of COVID-19 in the state [04-07-21 to 10-07-2021].

### *Other Activities:*

- Dr Madhumita Bhattacharyya is executive member of IMA, Behala branch.
- Dr. Madhumita Bhattacharyya is conducting Adolescent clinic at UHU&TC

### *Additional Responsibility:*

- Dr. Madhumita Bhattacharyya acted as Purchaser Stores and acting as Chairperson of Scrutiny Committee for staff recruitment.

### *Some Photographs of Our Activities*



Figure 8: Central Team of EMR for West Bengal



Figure 9: Training programme for ASHA on Menstrual Hygiene management



Figure 10: Faculty and participants of the MAA training programme at RHU&TC, Singur



Figure 11: Dr R. N. Sinha & Dr. Bhupen Barman, Assoc. Prof. Medicine, NEIGRHIMS visiting Covid Diagnostic Lab- Viral Research & Diagnostic Laboratory of STNM Hospital , Sikkim



Figure 12: Dr. R. N. Sinha & Dr. A. N. Aggarwal, Prof. & HoD, Pulmonary Medicine, PGIMER, Chandigarh visiting Fortis Hospital, Amritsar Covid Care facility



*Figure 13: Dr. R. N. Sinha & Dr. Ranganath TG, Asst. Prof., Pulmonary Medicine, AIIMS - Raipur visiting Covid care facilities of Tripura*



# MICROBIOLOGY

## *Introduction*

The Department of Microbiology of All India Institute of Hygiene & Public Health, Kolkata is involved in the study of fundamental Microbiological problems relating to infectious diseases and with hygiene and public health.

It is probably the First Institute/College having a separate independent Microbiology Section/department in India. It was established in the year 1932 during the British Era. Professor K.V. Krishnan was the First Head of the Department of Microbiology department. The department of Microbiology is engaged in routine work, research, academic activities like teaching, seminars and webinars as well as patient care.

The department is involved in teaching and training of the subject Microbiology to mainly all courses governed by this Institute. Our Department runs a 2-year Post graduate course Master of Veterinary Public Health (MVPH) under the University of Calcutta. The department is involved in research activities including the supervision of dissertation work of the P.G. students of the department and other departments. Routine culture and susceptibility testing from clinical samples and the non clinical samples is carried out routinely. The department is a recognized centre for testing the bacteriological quality of drinking water. The department is also a recognized centre for “Yellow Fever Vaccination” to the travellers visiting to Yellow Fever disease affected countries.

## *Teaching Activities*

- **Regular Courses Conducted:**

- The department runs a PG course namely Master of Veterinary Public Health (MVPH) under the University of Calcutta.

- **Short Courses / Trainings Conducted:**

- The department had participated in different Training Programme conducted by the other departments of the Institute.

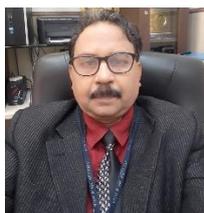
- **Regular Activities**

- Involved in taking the theoretical classes of all the courses governed by the Institute. The department is also involved in taking practical classes of the different courses allotted to the department.
- Classes for Core course and MSc Applied Nutrition (Food Microbiology) were conducted via online mode and offline from 16th November 2021. MVPH online exams were conducted in October 2021 for 2019 batch.
- **Yellow fever vaccination:** About 1147 clients going to Yellow fever and polio endemic countries were administered Yellow fever vaccine in BN campus. Polio disease were also given to those travelling by ship or to Wild Poliovirus disease

endemic countries like Ethiopia, Nigeria, etc. Dr. Atul Raj was nodal person for Yellow fever vaccination centre.

- **Water bacteriology:** Total of 139 water samples were processed during this period for coliforms. The samples came mainly from Port Health Organization, Airport Health Organization and South Eastern Railway.
- **Culture & Sensitivity:** Many samples were processed for Culture and susceptibility testing received in the laboratory.

## *Faculty*



Dr. UK Chattopadhyay  
Dir. Prof.  
HOD, Microbiology

**Area of expertise:** Diarrhoeagenic agents



Dr. Atul Raj  
Associate Professor  
MBBS, MD (Microbiology)

**E-mail:** dratul09@gmail.com  
**Mobile No.:** 91632 27575 / 033-2335 3232  
**Area of expertise:** Bacteriology



Dr. Amit Banik  
Associate Professor  
MBBS, MD(Microbiology),  
DNB, MNAMS

**E-mail:** dramitbanik@gmail.com  
**Mobile No.:** 94021 95476 / 033-2335 9858  
**Area of expertise:** Bacteriology



Dr. Sayan Bhattacharyya  
Associate Professor  
MBBS, MD (Microbiology)

**E-mail:** sayanda7@outlook.com  
**Mobile No.:** 94324 88669  
**Area of expertise:** Bacteriology, public health microbiology and Mycology.

## *Publications*

- Bhattacharyya S, Kumar M, Singh S, Sengupta A, Sarfraz A, Kumar A, et al. Surgical site infections: A review. IP International Journal of Medical Microbiology and Tropical Diseases 2021;7(3):124-128.
- Bhattacharyya Sayan, Ghosal Bhattacharyya Satarupa. Congenital Infections and Dental and Oral Involvement. Interventions Ped Dentistry Open Access J 2021. DOI: 10.32474/IPDOAJ.2021.06.000242.
- Sayan Bhattacharyya, Amit Banik, Atul Raj / Air Sampling in Wards and Hospitals: What we Know and What we do not. IJHI 2020;2(1):9–11.
- Neon Ghosh, Sayan Bhattacharyya, Rama Ranjan Pati, Atul Raj and Amit Banik. Study of Colonization of Pathogenic Bacteria on Raw Eggshells

- Chourasiya R, Bhattacharyya S, Dighe P, Banik A, Raj A. Pathogenic bacteria and parasites of human importance from cow dung. *MOJ Biol Med.* 2021;6(1):37–38.
- Pinky Singh, Sayan Bhattacharya, Deepak Pal, Atul Raj, Amit Banik, U.K. Chattopadhyay. Study of Asymptomatic Bacteriuria among Pregnant Women Attending Antenatal Clinic at Anandanagar Health Centre under, Singur Block, India. *Global Journal of Pathology and Microbiology*, 2020, 8, 12-18.
- Suresh Kumar B, Raj A, Banik A, Batabyal S, Chattopadhyay UK, et al. Isolation, purification and immunobiochemical characterization of goat hydatid cyst fluid antigen *Entomol Zool Studies* 8(6).

### *CME or webinars held:*

World Immunology day was observed in online mode on 29<sup>th</sup> April 2021 from 11:30 and to 1:50 pm via Google meet under guidance of Indian Immunology Society (IIS).

### *Research Activities*

A total of 8 MVPH students were guided in their thesis in varied subjects ranging from epidemiology and lab diagnosis of Brucellosis, Prevalence of parasites and pathogenic bacteria in cow dung, air flora of animal establishments, study of drinking water of poultry and cattle, study of pathogenic bacteria and fungi in fish and others. Some of their works were published also. Below is tabular list of the theses work the MVPH students carried out.

<b>Student name</b>	<b>Thesis topic</b>	<b>Section</b>	<b>Presented in Conferences</b>
Dr. Ruchi	Study of pathogenic bacteria and parasites in Cow dung	Bacteriology and Parasitology	Presented online in IATP WB chapter web conference, March 2021
Dr. Prashil Dighe	Study of Fungi and bacteria in ambient air of chicken and fish shops and animal facilities	Bacteriology and Mycology	Presented online in SIHAM 2021
Dr. Arti Chaurasiya	Isolation and Identification of pathogenic bacteria and fungi in fish scales	Bacteriology and Mycology	---
Dr. S Ashok Kumar	Study of drinking water of poultry shops and cattle yards	Water Bacteriology	---
Dr. Ruhul Amin Sheikh	Milk Ring test and Rose Bengal Plate test for identification of <i>Brucella abortus</i> infection in single cow herds, organized and unorganized farms in West Bengal	Bacteriology	---
Dr. Nidhi Sharma	Seroprevalence of bovine Brucellosis in city of Kolkata and its periphery	Bacteriology	---

Student name	Thesis topic	Section	Presented in Conferences
Dr. Mahalakshmi V	Preparation and characterization of chemically treated <i>Salmonella</i> Typhimurium ghost antigen	Bacteriology	--
Dr. Dhairyia Thorat	Study of anaerobic bacteria in milk and milk products	Bacteriology	Presented online in GISICON 2021 (Annual conference of Gastrointestinal Infection Society of India)

Other than this the Faculty were also engaged in internal research like study of bacterial and fungal colonization on inner and outer surfaces of masks.

### *Public Health awareness drives and conference speech:*

- Dr. Sayan Bhattacharyya spoke to general public related to COVID-19 prevention and awareness in Haringhata block, Nadia District on 15.3 2021.
- Dr. Sayan Bhattacharyya spoke on several web platforms and international web conferences hosted by Medpipertechnologies, URF, Research Circle and others, as invited speaker on subjects like newer aspects in management of COVID 19, safety of street food from microbiological point of view and underestimated bacterial infections in COVID-19 patients and diagnosis of pneumonia.
- Dr Sayan Bhattacharyya spoke on Leprosy as invited speaker at web meeting of STMIDI on 25th April 2021.

### *Swachhta activity*

- Dr. Sayan Bhattacharyya and other faculty conducted Swachhhta Pakhwada from 01.04.21 to 15.04.21 in BN Campus; there were many activities like cleaning drive, quiz and presentations regarding cleanliness and hygiene and a related workshop for laboratory people.

### *Teacher's training*

- Dr Amit Banik attended Training of trainers at NIHFW, Delhi under IDSP Programme from 22 – 26 February 2021.

### *Others*

- Dr. Sayan Bhattacharyya and Dr. Amit Banik won 3 awards each in various categories in Hindi Diwas during Hindi Pakhwada, held on 28th October 2021.

## *Emergency medical Relief*

- Dr. Amit Banik went on EMR duty for the COVID-19 management from 26.03.2021 to 02.04.2021 in Chhattisgarh.

## *Observation of days*

- World Immunology Day with theme of “COVID19 and Immunology.” was celebrated on 29th April 2021 in B.N.Campus online mode with staff and college students.

## *Some Photographs of Our Activities*

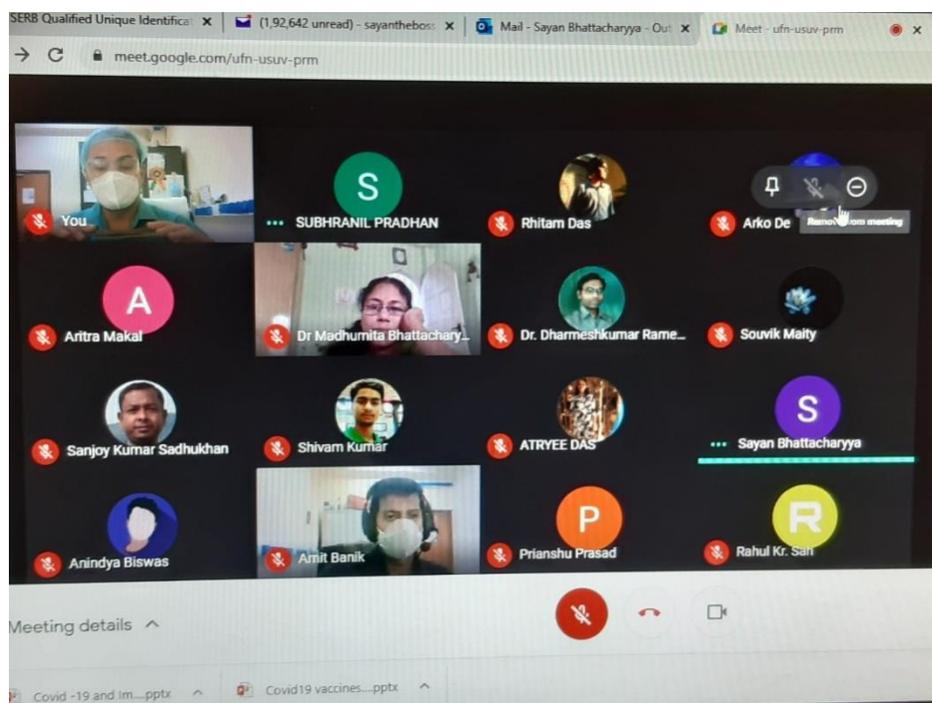


Figure 14: Webinar on World Immunology day, 29.4.2021



Figure 15: Swachhta activity in hostel



Figure 16: Yellow fever vaccination registration room, Department of Microbiology

# OCCUPATIONAL HEALTH

## *Introduction*

After independence scarcity of trained manpower in the field of Occupational and Industrial Health was felt. To fill in this vacuum the Department was established in the year 1949 and DIH (Diploma in Industrial Health) was started in the Institute in the year 1951. Since then AIIH&PH has been continuously supplying well trained, knowledgeable and competent medical officers to Indian industries.

Today medical doctors with DIH qualifications from AIIH&PH are doing excellent work in innumerable industries: large and small, public and private, coal, cement, mines, oil exploration, paint, ports, air-ports, mines, nuclear establishments, railways etc. Our students get excellent jobs in various industries in this country.

## *Teaching Activities*

Faculty of this department is continuously involved in teaching and field training of students of all regular courses conducted by the Institute (viz.- M.D., D.H.S., D.H.P.E., M.P.H., D.P.H.M., Dip.-Diet. and M.Sc.-Applied Nutrition courses)

Staff members from this department are included in various academic and administrative committees of this Institute.

## *New Initiatives*

Proposal to launch a new course- Associate Fellow Industrial Health (AFIH) under DGFASLI sent to DGHS for approval

## *Faculty*



Dr. C. S Taklikar  
Prof. & HoD (Additional  
Charge)  
MBBS, MD PSM

**E-mail:** shekhartaklikar@gmail.com  
**Mobile No.:** 9230278846  
**Area of expertise:** Ergonomics, Physical hazards,  
Occupational Lung Diseases.



Dr. Alok Vajpayee  
Director-Professor  
MD (PSM)

**E-mail:** dralokvajpayee@hotmail.com  
**Mobile No.:** 9836042391  
**Area of expertise:** Epidemiology, Occupational  
Health.



Dr. Nandini Bhattacharyya  
Chief Medical Officer  
MBBS, DIH

**E-mail:** nbhattacharyya640@gmail.com  
**Mobile No.:** 9143036926  
**Area of expertise:** Occupational Health

### *Other Members*

<b>Designation</b>	<b>Number</b>	<b>Activities Performed</b>
Stenographer	1	Secretarial Assistance
MTS	1	Support Service

### *Research Work*

- A Study on Nutritional Status and its Correlates among the Elderly in a rural area of Hooghly District, West Bengal
- An Epidemiological study on Double Burden of Malnutrition among Mother-Child Dyads in a Rural Area of Singur, Hooghly District, West Bengal

### *Membership of Committees*

- **Dr. Nandini Bhattacharyya**
  - Act as Ladies Hostel Warden and Library-in-charge
  - Nodal officer of Swachhta monitoring cell
  - Member-Secretary of Preventive vigilance committee, Canteen committee and Computer committee.
  - Member of another eleven committee including Internal complaint committee (Sexual harassment) etc.

### *E.M.R. Duty*

- Dr. Nandini Bhattacharyya performed EMR duty to Balod district, Chhattisgarh from 08/04/2021 to 13/04/21 to provide services and consultancy for Covid 19 outbreak.

### *Swachhata initiatives*

Training on “Sanitary Issues Faced by The Multipurpose Workers as Occupational Hazards” for MTS staff conducted 6<sup>th</sup> April 2021 at main campus, AIIH&PH.

*Photograph of Our Activity*





# PREVENTIVE AND SOCIAL MEDICINE

## *Introduction*

The Department of Preventive and Social Medicine was established in 1973 with the objective of developing skilled and motivated workforce in the public health services including training of trainers and course facilitators for planning, organization and evaluation of national health programmes. Thus, ever since the days of its foundation, the department has been addressing a wide range of issues on Public Health by its multi-disciplinary functions in the form of research, education and training interventions.

## *Teaching Activities*

- **Regular Courses Conducted:**

- MD (CM) Three-year full-time course recognized by NMC and affiliated to WBUHS.

Intake capacity of the MD (CM) course - 20 seats

- Classes taken for other courses i.e. DHPE, DHS, MVPH & SHI.

## *Other Regular Activities*

Seminars/ Short Study presentation/ Journal Club/Focus Group Discussion/ Field Activities/Family Care presentations etc. are undertaken as part of curricular activities by MD (CM) students.

## *New Initiatives*

- Booklet on COVID 19 information in English and Bengali for ASHA workers and health professionals was published by the Department and e-Booklet is available in [www.aiihph.gov.in](http://www.aiihph.gov.in)
- Information Booklet on Diabetes for Health Care Providers in English and Bengali was published by the Department and e-Booklet is available in [www.aiihph.gov.in](http://www.aiihph.gov.in)

## *Faculty*



Dr. Ranjan Das  
Director Professor & HOD  
MBBS, MD (CM), CEpid

**E-mail:** [ranjandas1986@gmail.com](mailto:ranjandas1986@gmail.com)

**Mobile No.:** 9311188920

**Area of expertise:** Applied Nutrition, Biostatistics, Epidemiology & Research Methodology.



Dr. Lina Bandyopadhyay  
Advisor Public Health (SAG)  
Professor (Eq)  
MBBS, DPH, MD (CM)

**Email:** sulins81@gmail.com  
**Mobile No.:** 9830020149  
**Area of expertise:** Public Health



Dr. Bobby Paul  
Associate Professor  
MBBS, DCH, MD (CM)

**E-mail:** drbobbypaul@gmail.com  
**Mobile No.:** 9830046821  
**Area of expertise:** Bioethics, Non communicable diseases and Research methodology



Dr. Madhumita Bhattacharya  
Professor (eq)/CMO  
MBBS, DMCW, DCH, MD  
(Pediatrics)  
(On deputation in PSM dept)

**E-mail:** madhumita57@yahoo.co.in  
**Mobile No.:** 85840 57420  
**Area of expertise:** Child Health



Dr. Monalisha Sahu  
Asst. Professor  
MBBS, MD (CM)

**E-mail:** drmonalisha@outlook.com  
**Mobile No.:** 9873927966  
**Area of expertise:** Mother and Child Health, Biostatistics.

### *Other Members*

Post/Category	Number	Activities performed
Stenographer	1	Secretarial Assistance
Museum Curator	1	Museum-Curator
MTS	1	Support Service

### *Publications*

1. Jha SS, Dasgupta A, Paul B, Ghosh P, Biswas A. Attitude and perception of gender equity among students and teachers of a rural school in West Bengal: A mixed method approach. J Edu Health Promot Dec 2020; 9: 330
2. Roy S, Dasgupta A, Bhattacharyya M, Paul B, Bandyopadhyay S, Pal A et.al. Hazardous practices related to blood borne viral infection transmission among male barbers: A study in a rural area of West Bengal. Indian J Public Health 2021;65(1):22-7.
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18. Sahu M, Das A, Chattopadhyay B, Paul B, Bhattacharya M. Revised Socio-economic Status Scales for The Year 2021: Updation Based on Latest Base Year Series 2016. DY Patil Health Sci 2021;9: 22-6.

### *Research Work*

- **Thesis work completed by MD (CM) students:**

1. A Study on Cognitive Impairment among Adults Aged 55 Years and Above in a Rural Area of Hooghly District, West Bengal
2. A Study on Urinary Abnormalities among School Going Adolescents in a Rural Area of Hooghly District, West Bengal
3. A Study on Respiratory and Other Occupational Morbidities among Railway Freight Handlers in a Siding in a Selected Division of the Eastern Railway
4. A Study on Delays & Distress among Breast Cancer Patients Attending a Tertiary Care Hospital, Kolkata, West Bengal
5. A Study on Behavior Change Communication Interventions for Prevention and Control of Anemia among Pregnant and Lactating Women in a Block of South-24 Parganas
6. A Study on Tuberculosis Related Stigma and Associated Factors among Registered Tuberculosis Patients under National Tuberculosis Elimination Programme in a Rural Area of West Bengal
7. A Study on Growth and Development of under 5 Children in an Island of the Sundarbans, West Bengal

- **On-going Thesis Work:**

1. Health Related Quality of Life in Women with Polycystic Ovary Syndrome Attending a Tertiary Care Hospital in Kolkata, West Bengal
2. A Comparative Study on Knowledge, Attitude and Practice regarding Common Cancers in Women among The Female Students in A Rural and An Urban College of West Bengal
3. A Cross-sectional Study on Health Status and Health Seeking Behaviour of School-going Adolescents in a Rural Area of Hooghly District, West Bengal
4. A Study on Nutritional Status and its Correlates among the Elderly in a rural area of Hooghly District, West Bengal
5. An Epidemiological study on Double Burden of Malnutrition among Mother-Child Dyads in a Rural Area of Singur, Hooghly District, West Bengal

6. A study on morbidity pattern and health seeking behaviour among Zari embroidery workers in a rural community of Howrah district, West Bengal.
  7. A cross-sectional study on quality of life in patients of coronary artery disease attending OPD in S.S.K.M Hospital, Kolkata
  8. A case control study on the risk factors of MDR TB and quality of life among adult patients attending a district tuberculosis centre in Kolkata, West Bengal
  9. A Cross-sectional Study on Morbidity Profile of Printing Press Workers in Madhyamgram Municipality area of North 24 Parganas
  10. A Cross Sectional Study on Quality of Life and Associated Coping Behaviour of Oral Cancer Patients Attending a Tertiary Care Hospital, Kolkata
  11. A Case Control Study on factors of Maternal Near Miss at a Tertiary Level Hospital, Kolkata
  12. A Study on Epidemiology of Common Non-Communicable Diseases among People Living with HIV Attending a Tertiary Care Hospital in West Bengal (END HIV)
  13. A Cross sectional Study on Health Literacy and Its Associates Among Adults, in Rural Area of Hooghly district, West Bengal
  14. A Cross-Sectional Study on Out of Pocket Health Expenditure during Covid 19 Pandemic in an Urban And Rural Block of West Bengal
  15. A Study on Well Being and Morbidity Profile of Elderly Persons Residing in Selected Old Age homes of Kolkata
  16. A Study on Burden of Malaria Infection and Associated Household Level Risks in an Urban and a Rural Area of West Bengal
  17. A Community-based study on Infant and young child feeding practices in a rural area of Hooghly district, West Bengal
  18. A Study on Inpatient experience and Quality Standards in Gynecology & Obstetrics department of a Sub-Divisional Hospital, West Bengal
- **Short Studies:**
    - December 2020 to November 2021: 27 short studies were completed during this period
      1. Determinants of Treatment Adherence among Patients Living with Non-communicable Diseases: A Mixed-method Study in a Rural Area of Hooghly District, West Bengal
      2. Utilization of Adolescent Reproductive and Sexual Health Services: A Mixed-method study in a Rural Area of West Bengal
      3. Nutritional Status and Intra-household Food Distribution among Reproductive Age-group Women in Hooghly District, West Bengal: A Mixed-Methods Approach
      4. Compliance Status of Isoniazid Prophylaxis Therapy among Eligible Contacts of Sputum Positive Pulmonary Tuberculosis Patients in a Rural Area of West Bengal.

5. Knowledge Assessment of Obstetric Danger Signs among Pregnant Women in a Rural area, West Bengal: A community-based study
6. Change Readiness and its Influencers among Alcohol Consumers visiting a Rural Health Centre, West Bengal
7. Revised Socioeconomic Status Scales for the year 2021: Updation based on Latest Base Year Series 2016
8. Need Assessment for Education-Support in self-management of Long-Term Skin Conditions among patients of an Urban Health Center, Chetla, Kolkata
9. Experience, Perceived benefits, and barriers of online medical education-a qualitative study among teachers and students
10. Awareness Regarding Gestational Diabetes Mellitus among Antenatal Women: A Mixed-method Study in Rural West Bengal
11. Fracture Risk and its Associates among Residents of Selected Old Age Homes in Kolkata, West Bengal
12. Pattern of Self-referrals to a Tertiary Care Hospital in Eastern India: A Cross-sectional Study
13. A Study on Cardiovascular Risk Factors among Perimenopausal women in a rural area of West Bengal
14. Contraceptive Usage Pattern in context of Woman Empowerment among Married Woman of Reproductive Age Group: A Mixed Method Study in a Rural Area of Singur, West Bengal
15. Prevalence of falls among older adults and elderly in rural community of Howrah district West Bengal
16. Pattern of substance use among older adults and elderly: a community based study in rural area of Singur
17. Risk assessment of Non Communicable Diseases among tribal adults forty years and above in a rural block of Birbhum , West Bengal
18. Burden of Urinary Tract Infections among Older Adults and Elderly: A Community-based Cross-sectional Study in Rural West Bengal
19. Determinants of Fear of Child birth among Postnatal Tribal women in a rural block of Birbhum, West Bengal: A cross sectional study
20. A Descriptive Study on Child and Youth Resilience among residents of an Orphanage in Kolkata, West Bengal
21. Women's Empowerment and its Association with Child Health and Nutrition (WECHANT): A Cross-sectional Study in a Rural Population of West Bengal
22. Optimal Breastfeeding Practices Among Mothers with Children Aged 0-23 months of age in Tribal Area of Sundarbans, West Bengal
23. A Mixed Method Study on Pattern and Predictors of Plastic Pollution in an Urban Block of West Bengal

24. A Cross Sectional Study on Period Poverty among adult tribal women in Birbhum district, West Bengal
25. Male Involvement in Family Planning in a Rural Community of West Bengal
26. A study on Knowledge and practice on Antibiotic use among patients attending OPD of Urban health centre, Chetla, Kolkata
27. A Study on Self-care practices among hypertensive patients during Covid-19 pandemic in a Sub-Divisional Hospital, West Bengal

### *Guidance of Research Work by Faculty*

- Dr. Lina Bandyopadhyay: Co-guide of 1 ongoing MD (CM) thesis work, Guide of 1 MSc Applied Nutrition Dissertation
- Dr. Bobby Paul: Guide of 3 and Co-guide of 4 ongoing MD (CM) thesis work, Guide of 1 MSc Applied Nutrition Dissertation
- Dr. Madhumita Bhattacharya: Co-guide of 5 ongoing MD (CM) thesis work, Guide of 2 MSc Applied Nutrition Dissertation
- Dr. Monalisha Sahu: Co-guide of 4 ongoing MD (CM) thesis work

### *Conference/Seminars/Workshop Attended*

- Dr B Paul, Dr L Bandyopadhyay attended Annual National Conference of Indian Public Health Association IPHACON virtually (September 23-26, 2021) at JIPMER, Puducherry
- Dr B Paul and Dr L Bandyopadhyay attended Annual National Conference of Indian Association of Preventive and Social Medicine IAPSMCON (Virtual) (March 19-21, 2021) at PGIMER Chandigarh
- Dr B Paul attended Pre- conference Workshop on Mixed Methods Research conducted by IAPSMCON 2021, Pre-conference workshop on Social Epidemiology at EFICON 2021 and EFICON Conference 2021 (virtual) at AIIMS Jodhpur
- Dr M Sahu attended webinar on Professionalism -Revisiting character based approach towards Medical Education on July28, 2021
- Dr M Sahu attended three days International Reviewers Workshop conducted by IESRF from 22nd to 24th October 2021 virtually.
- Dr M Sahu attended Social Media Interventions and Vaccine Hesitancy on 2/11/2021 by International Vaccine Access Centre
- Dr L Bandyopadhyay attended webinar on ToFEI and Tobacco control conducted by DGHS office MOH&FW on 8th Dec 20 and attended launching program of NFLD
- Dr L Bandyopadhyay attended webinar on NFLD organized by PGIMER Chandigarh on April 21

- Dr L Bandyopadhyay attended online workshop on “Health Economics” organized by ICMR ,PHFI and PGIMER ,Chandigarh on 21 May2021
- Prof Ranjan Das, Dr L Bandyopadhyay, Dr B Paul, Dr M Bhattacharya attended workshop on “Good Clinical practise and Regulatory Aspects of Clinical Research in India” organized by STM, Kolkata on 3rd Nov 21

### *Membership of Committees*

- Dr Ranjan Das is Member of Faculty Council and Medical & Public Health Education Unit of AIIHPH & Member Ethics Committee of NIHFW, New Delhi. Member of Faculty Selection Board at Chittaranjan Cancer Institute, Kolkata, CIP, Ranchi & AIIMS Raipur, AIIMS Mangalagiri, AIIMS Patna, etc.
- Dr Lina Bandyopadhyay is Nodal officer & member secretary of Swaccha Bharat committee and SAP.
- Dr. Bobby Paul, is member secretary of Scientific Advisory Committee, member of Institutional Ethics Committee, Committee for Economically Weaker Section, Assistant managing editor of Indian Journal of Hygiene and Public Health, AIIH&PH and Institutional Ethics Committee of IPGMER and SSKM Hospital, D N De Homeopathic Medical College, Mahesh Bhattacharya Homeopathic Medical College, Govt. of WB
- Dr. M Bhattacharya is Nodal Officer of e-HRMS Committee, chairperson of Canteen Committee, Member Secretary of Sexual Harassment Committee, Nodal officer of observation of Communal Harmony week & Flag Day and Constitution Day, Purchaser of Store Dept. of AIIHPH
- Dr. M Sahu is member of MIYCN Core Committee of IAPSM, Editorial Board Member for South Eastern European Journal of Public Health, Assistant Nodal Officer for institutional committee on Digital Mission Mode Project I, Medical Council of India

### *Examiner*

- **Dr. R Das** was
  - Examiner for PG Certificate Course in Epidemiology at NIHFW, New Delhi
  - Designated Examiner & Paper Setter for PhD in Public Health, Faculty of Medicine, Institute of Medical Sciences, BHU, Varanasi (UP).
- **Dr. B. Paul** was
  - Convenor and Examiner of MD (Community Medicine) Examination 2021 conducted by WBUHS Kolkata.

- External examiner of Final Professional Part 1 MBBS Examination (Supplementary) at College of Medicine and JNM Hospital, Kalyani, Nadia from 5th to 8th April 2021
- Paper setter for DHS Entrance Examination and DHS Examination (Paper 1) conducted by WBUHS Kolkata.
- **Dr. M. Sahu was**
  - Paper setter for DHPE Entrance Examination conducted by WBUHS Kolkata.

### *Training Received*

- Dr R Das was trained on Financial & Budgetary Management of Centrally sponsored Schemes at Dte. GHS, MoHFW, Govt. of India and on Ethical Handling of Biomedical Research at School of Tropical Medicine, Govt. of West Bengal.
- Dr L Bandyopadhyay completed training on “Basic Course in Biomedical Research” offered by ICMR-National Institute of Epidemiology (ICMR-NIE), Chennai on SWAYAM
- Dr B Paul attended TOT training on IDSP from 22nd Feb to 26th Feb 2021 at NIHF New Delhi and online training on Systematic review organized by Centre of Excellence PGI Chandigarh on 9th Aug 2021
- Dr M Sahu completed training on “Basic Course in Biomedical Research” offered by ICMR-National Institute of Epidemiology (ICMR-NIE), Chennai on SWAYAM.

### *Field Activities/Programme*

- Junior Residents were involved as external monitors in monitoring IPPI Programme at high risk migratory (e.g., Slums with migration) and settled areas as well as monitoring mobile populations (e.g., Ferry ghats, markets) organized by National Polio Surveillance Project (Kolkata unit), WHO in three different phases on 20.01.2020 to 21.01.2020, 27.06.2021 to 29.06.2021 and 26.09.2021 to 28.09.2021
- Organized Swachh Bharat awareness programme among 70 residents of Ishwar Shankalpa (night shelter for homeless women) on 01/04/21
- Organized Awareness drive regarding Swachh Bharat for 50 children of pavement dwellers at Kolkata on 12/04/21
- Conducted Sensitization Programme on 80 ASHA workers on COVID 19 management on 23/06/21, 07/07/21, 14/07/21
- Conducted Sensitization Programme on 17 Rural Medical Practitioners on COVID 19 management at RHUTC, Singur on 12/07/21
- Conducted training of ANM students on Diabetes Mellitus, on 16/11/21 in the occasion of world diabetes day 2021

- Junior residents were posted in Telemedicine duty for COVID 19 pandemic in IPGMER, Kolkata and NRS Medical College, Kolkata under Department of Health and Family Welfare, Government of West Bengal.
- Observation of World Diabetes Day- Modular training programme involving 17 Nursing students was done on 16th November 2021 at HC Memorial Health School, Singur, Hooghly

\*All programmes were conducted maintaining strict COVID protocol.

### *Awards*

<b>Name of award recipient</b>	<b>Award</b>	<b>Event</b>
Dr. Ankush Banerjee	Kalu Ram Memorial Award	National Conference of IAPSM (IAPSMCON 2021) held at PGIMER, Chandigarh (19 <sup>th</sup> -21 <sup>st</sup> March 2021)
Dr. Arpita Das	Implementation Research Grant in Noncommunicable diseases (World NCD federation – IAPSM)	National Conference of IAPSM (IAPSMCON 2021) held at PGIMER, Chandigarh (19 <sup>th</sup> -21 <sup>st</sup> March 2021)
Dr. Ankush Banerjee	1 <sup>st</sup> Prize in Oral Paper Presentation (Theme- Maternal, Child and Adolescent Health)	National Conference of IPHA (IPHACON 2021) held at JIPMER, Puducherry (24 <sup>th</sup> -26 <sup>th</sup> September 2021)
Dr. Sandipta Chakraborty	1 <sup>st</sup> Prize in Oral Paper Presentation (Theme- Public Health Nutrition)	National Conference of IPHA (IPHACON 2021) held at JIPMER, Puducherry (24 <sup>th</sup> -26 <sup>th</sup> September 2021)
Dr. Trina Sengupta	1st Prize in Poster Paper Presentation (Theme- National Health Programs)	National Conference of IPHA (IPHACON 2021) held at JIPMER, Puducherry (24 <sup>th</sup> -26 <sup>th</sup> September 2021)
Dr. Arpita Das	2 <sup>nd</sup> Prize in Oral Paper Presentation (Theme- Noncommunicable diseases)	National Conference of IPHA (IPHACON 2021) held at JIPMER, Puducherry (24 <sup>th</sup> -26 <sup>th</sup> September 2021)
Dr. Biswadip Chattopadhyay	2nd Prize in Poster Paper Presentation (Theme- Miscellaneous)	National Conference of IPHA (IPHACON 2021) held at JIPMER, Puducherry (24 <sup>th</sup> -26 <sup>th</sup> September 2021)
Dr. Ankush Banerjee	1 <sup>st</sup> Prize in Oral Paper Presentation (Theme- Adolescent Health)	National Conference of EFI (EFICON 2021) held at AIIMS, Jodhpur (29-30 <sup>th</sup> October 2021)
Dr. Sandipta Chakraborty and Dr. Trina Sengupta	2 <sup>nd</sup> Runner up in Mindbenders National Quiz 2021	National Conference of EFI (EFICON 2021) held at AIIMS, Jodhpur (29-30 <sup>th</sup> October 2021)

### *Other Special Activities Performed:*

- **Dr R Das**

- Worked as Deputy Director General and Headed the Medical Education Division of DGHS, MoHFW, Govt. of India till 23rd August 2021.
- Was instrumental in drafting District Residency Programme, Reforms in Medical Counselling, Feasibility of conducting night time autopsies in hospitals across India, etc.

- **Dr L Bandyopadhyay**

- Worked as Director, RLTRI, and Regional Director, MOHFW, Raipur, Chattisgarh from 18/11/20 – 23/02/21
- As a team leader of multidisciplinary Central Team for EMR, attended Durg district of Chattisgarh from 08/04/21- 12/04/21
- As a member of multidisciplinary Central Team for EMR, attended Kolkata and 24(N) Pgs district of West Bengal on 25/02/21

- **Dr B Paul**

- Moderator of award paper session in State IAPSMCON virtual conference held on 22nd Dec 2020
- Co-PI of an ICMR funded project titled “Developing a Behaviour Change Communication Strategy to Optimize Cancer Screening under NPCDCS Programme in Northeast India”
- Speaker on Double burden of malnutrition in 11th international conference (online) e NATCONPH 2021 organized by NSHM knowledge campus, Kolkata
- Guest lecturer on Mixed Methods research at Medical College, Kolkata on 29/09/21
- Guest lecturer at D N De Homeopathic Medical College, Govt. of WB on research protocol writing on 11/09/21
- Guest lecturer at Mahesh Bhattacharya Homeopathic Medical College, Govt. of WB on publication technicalities and Research Protocol writing on 22/09/21
- Co-PI of “Prevalence of TB -Diabetes comorbidity and Impact of Diabetes self-care management education on treatment outcomes among tuberculosis patients attending TB clinics of urban health district of Kolkata” funded by State Task Force, NTEP, West Bengal

- **Dr Madhumita Bhattacharyya**

- Invited as expert on online TEC meeting at DBT, Ministry of Science & Technology, New Delhi on 28 and 29 th of July 2021.

- Invited for giving lecture (online) on occasion of “celebration of breast feeding week” on 7.8.2021 for CDPOs which was organized by Food & Nutrition Board.
  - Invited as Chief Guest and speaker in a Seminar for “Women’s cancer” on 13th and 14th August 2021 at RKMSP, Kolkata.
  - Invited as a speaker in National Immunology Day on childhood immunological response of COVID 19 organized by Immunological Society of India in 29th April 2021
  - Invited as a guest speaker by Ministry of Information & Broadcasting at Purba Bardhaman in “Poshan Mahh” on 10th September 2021, which was broad casted in Doorodarshan
- **Dr M Sahu**
    - Guest lecturer on ‘Health, Hygiene and Covid-19 Webinar on for Observance of Swachhta Pakhwada, for Kolkata Port Trust on 16/08/21
    - Guest speaker on Career Options after Medicine at an online event organised by Tejas Group- Education for under-privileged children on July 23 2021.

*Some Photographs of Our Activities*



Figure 17: Sensitization Programme of ASHA workers on COVID 19 management at Singur, West Bengal



Figure 18: Sensitization Programme of Rural Medical Practitioners on COVID 19 management at Singur, West Bengal



Figure 19: Observation of World Diabetes Day on 16th November 2021 at Singur, West Bengal



# PUBLIC HEALTH ADMINISTRATION

## *Introduction*

The Department of Public Health Administration aims to orient the students in public health and principles of management as applied to the field of health. It covers various administrative techniques such as health service research, planning, organization, evaluation, budget, health management, system analysis, operational research, health sector reforms, etc. Besides, providing inputs to all regular courses, the Department conducts the Diploma in Public Health (DPH) course for medical graduates (seats converted to MD Community Medicine from the academic year (2020-2021) and the Post-Graduate Diploma in Public Health Management (PGDPHM).

The department, since its inception, has been involved in various research studies in health care delivery, disease epidemiology, operations research, quality of care, health financing, disease surveillance, Health Information systems, in all areas including remote and tribal areas.

Besides the DPH and the PDGPHM courses, the Department of Public Health Administration is also coordinating the Core course programme of the Institute that includes the DPH, MD (Community Medicine), MPH (Epidemiology) and Master in Veterinary Public Health (MVPH) courses.

## *Teaching Activities*

- **Regular Courses Conducted:**

- Two-year full-time diploma course named Diploma in Public Health (DPH) recognized by MCI & affiliated to WBUHS. The seats have been converted to MD Community Medicine seats from the academic year 2020-2021. The last batch of DPH students completed in 2021
- From the academic year 2019-2020 the Department is coordinating one-year Post-Graduate Diploma in Public Health Management (PGDPHM) course supported by the National Health Mission.
- Besides the DPH and the PDGPHM course, the Department of Public Health Administration is also coordinating the Core course programme
- Faculty take classes for other courses conducted by the institute, i.e., MD (CM), MPH (Epidemiology), DHPE, DHS, MVPH & SHI.

## *Other Regular Activity*

Seminars/ Short Study presentation/ Journal Club/Focus Group Discussion/ Field Activities/Family Care presentations etc. are undertaken as part of curricular activities by the students.

## *New Initiatives*

The 10 DPH seats have been converted to MD Community Medicine seats from the academic year 2020-21 in response to Medical Council of India Amendment Notification No. MCI-18(1)/2018-Med/122294 Dated-12th July, 2018 and Public Notice MOHFW ME-I Dated 04.10.2019.

The Dept has submitted a proposal for starting Master in Public Health (MPH) course for candidates from medical and non-medical backgrounds

## *Collaboration*

The Department collaborates with Centre on Non-Communicable Diseases, ICMR Kolkata, for student visit and research programme.

## *Faculty*



Dr. Debashis Dutt M.D.  
Dean, Director Professor &  
Head

E-mail: [dutta29@gmail.com](mailto:dutta29@gmail.com)

Mobile No.: 9433193137

Area of Expertise: Non Communicable  
Disease Epidemiology, Research methods,  
Programme Evaluation, Surveillance



Dr. N. N. Naskar  
Director-Professor  
M.B.B.S.,MD (SPM )

E-mail: [narendrannaskar@yahoo.com](mailto:narendrannaskar@yahoo.com)

Mobile No.: 94334 39419

Area of expertise: Occupational Health, PHA

## *Other Members*

Designation	Number	Activities Performed
Stenographer	1	Secretarial Assistance.
MTS	1	Support Service.

## *Publications*

### • Published

- Bijit Biswas,\*, Narendra Nath Naskar, Keya Basu, Aparajita Dasgupta, Rivu Basu, Bobby Paul. Malnutrition, Its Attributes, and Impact on Quality of Life: An Epidemiological Study among  $\beta$ -Thalassemia Major Children <https://doi.org/10.4082/kjfm.19.0066> • Korean J Fam Med 2021;42:66-72
- Mandal M, Dasgupta A, Dutt D, Taraphdar P, Ghosh P, Paul B. Quantification of health-related quality of life among patients with rheumatoid arthritis: An institution-based study in Kolkata, West Bengal. J Family Med Prim Care 2020:3970-6

- **Submitted for Publication**

- Banerjee.B, Dutt D, Thambu D et al Chloroquine/hydroxychloroquine prophylaxis for prevention of SARS-CoV-2 infection and Coronavirus Disease-19 (COVID-19): What does current evidence reveal? A Rapid Systematic Review: Submitted for Publication DY Patil Medical Journal.
- Adhikari K, Dutt D et al.."Stigma and its Associated Factors among People Living with HIV/AIDS (PLHA) Attending ART Centre in a Tertiary Care Institute in Kolkata. Submitted to MAMC Journal of Medical Sciences.

- **Review articles in Scientific Journals:**

- Dr D Dutt, reviewed articles for Journal of Aggression, Conflict and Peace Research 2021, UK.

### *Research Work*

- **Dr. Debashis Dutt acted as a guide the following Curricular Research studies**

- A Cross-sectional Study on quality of life and perception regarding cardiac rehabilitation in patients of coronary artery disease in a tertiary care hospital in Kolkata” Dr Satyabrata Maity MD (CM), Session 2020-2023
- Risk factor for MDR Pulmonary Tuberculosis among patient attending Tangra urban health district of kolkata – an unmatched case control study. Subhajoy Maitra MD (CM) Session 2020-2023
- Delay in diagnosis and treatment among newly diagnosed sputum positive Adult Pulmonary Tuberculosis patients attending RNTCP in North 24 Parganas district of West Bengal and its association with treatment outcome. Dr Arnab Ganguly. MPH (Epidemiology) PGT, session - 2018-21.
- An Epidemiological Study on Tuberculosis Related Stigma and Associated Factors among Tuberculosis Patients Receiving DOTS in a Rural Area of West Bengal. Dr C Maity MD (CM) 2019-2022
- Medication adherence, self-care practices and its associated factors among type 2 diabetic patients in a rural area of west bengal Goutham mohan. MPH (epidemiology) SESSION-2019-2022
- A Study on Antenatal Care Practices and Pregnancy Outcome among Women Attending Antenatal Clinics in a Rural Area of Hooghly District, West Bengal" Dr. Nidhi Shree PGT, M.D. (Community Medicine) Session: 2018-2021.
- Health-related quality of life and its associated factors among elderly patients with type 2 diabetes mellitus in Rural field practice area of AIIH&PH, Kolkata: A cross-sectional study.” Sabyasachi Roy. D.P.H. Session-2019-2021
- Association between Obesity and overweight & Sleeping Pattern in adolescents in an urban area of West Bengal. Shabnam G. MSc Applied Nutrition 2021-2022
- Obesity & Sleeping Pattern in Children: A Systematic Review. Papri Raha. MSc Applied Nutrition of 2018-20 (Final Examination held in Aug 2021)

- Dietary diversity and its Relationship with nutritional status Narrative review: Saheli Taraphdar MSc Applied Nutrition 2018-20 (Final Examination held in Aug 2021)
- **Dr. N.N. Naskar acted as guide to the following Curricular Research studies**
  - A Study on Growth and Development of under 5 Children in an Island of the Sundarbans West Bengal Dr. Niladri Pal MD 2019-2022
  - Review Study of Major Factors Associated WITH dental Caries among 1-17 years Old Children in India Sayani Das MSc Nutrition 2018-2020 (Final Examination held in Aug 2021)
  - A study on Prevalence and determinants of Exclusive Breast Feeding among Urban Mother of Chetla, Kolkata West Bengal Dr. Partha Sarathi Das DPH 2019-2021
  - A study on assessment of Nutritional Status among young house wives in a rural slum area of Chandpara West Bengal Ashmita Biswas MSc Nutrition. 2020-2022

### *PhD Thesis*

- Dr D Dutt is Co Guide for study on Assessment of Coping Skill in various crisis situations among the Adolescent population and their association with different Socio- demographic variables: Cross-sectional, nonintervention Study upon school students: Co guide for PHD Thesis by Shibotosh Sen under WBUHS

### *Research Studies*

Dept. of Public Health Administration (in collaboration with Dept. PSM, Maulana Azad Medical College, Centre on Non-Communicable Diseases, ICMR Kolkata), is conducting Systematic Review on “Use of mHealth technology for modification of behavioural risk factors of non-communicable diseases in primary health care settings: Effectiveness and Feasibility in South East Asian Region Countries”. Non funded Systematic Review / Metanalysis ( SR/MA ) project under Centre of Excellence, World NCD Federation

### *Short Studies*

Following Short Studies have been conducted related to COVID 19:

- Systematic review titled “Chloroquine/hydroxychloroquine prophylaxis for prevention of SARS-CoV-2 infection and Coronavirus Disease-19 (COVID-19): What does current evidence reveal? A Rapid Systematic Review”
- Study on Use of Face Mask during Pandemic of Covid in a rural area of Birbhum West Bengal by S Roy, DPH Resident 2019-2021
- Hand washing practices among rural area of Burdwan Dist West Bengal during Covid Pandemic by PS Das, DPH Resident 2019-2021

### *World Health Day Celebration*

The Dept. celebrated World Health Day 2021 “Building a fairer and healthier world” on 7<sup>th</sup> April 2021

### *Conference/Workshop/Seminars/ Panel Discussion attended*

- Prof D Dutt and Prof NN Naskar attended workshop on “Good Clinical practise and Regulatory Aspects of Clinical Research in India” organized by STM, Kolkata on 3rd Nov 21.
- Dr N N Naskar Attended State Conference of India Public Health Association 2021

### *Additional Responsibilities*

- **Dr D Dutt Dir.-Professor & Head is holding charge of**

- Dean, AIIH&PH.Kolkata
- Welfare officer of AIIH&PH Kolkata.

### *Membership of Committees*

- **Participation of Dr. D Dutt in different Committees:**

- Member Centre of Excellence (COE) for HIV/AIDS, at School of Tropical Medicine, Kolkata
- Member Board of Studies (BOS) "Nutrition & Public Health" University of Burdwan
- Member Secretary Faculty Council, AIIH&PH
- Member Secretary Core committee for Foundation day AIIH&PH
- Chairman, Academic Cell
- Chairman, Medical Education and Public Health Unit
- Chairman, Scientific Advisory Committee
- Chairman, Committee on Compassionate Appointment
- Chairman, Screening Committee
- Chairman, Board of Studies Post Graduate Medical Courses
- Co-opted Member, Purchase Committee

- **Participation of Dr. N. N. Naskar in different Committees:**

- Member, Library Committee;
- Member, Anti-ragging Committee of AIIH&PH;
- Stand by member, Academic Cell of Institute.

## *Examiners*

- **Dr. D Dutt, acted as**

- Convenor and Internal Examiner for final DPH Examination August 2021 at AIIH&PH,
- Paper setter and External Examiner for MPH Examination -PGI Chandigarh 2021
- External Expert for MPH Examination -Inst. of Public Health (IPH) Kalyani July 2021
- Moderator and External Examiner for MPH Examination -Inst. of Public Health (IPH) Kalyani 2021
- Adjudication of MPH Dissertations for IPH Kalyani 2021 and KPC Medical College 2021

- **Dr. N. N. Naskar, acted as**

- Examine Acted as External Examiner of Dip Diet Course in University Examination
- Evaluated 2 Dissertation of PG Courses of two Institute

## *Guest Lectures*

- Dr. N.N. Naskar, Participated in National Conference on 01.10.2021 as Speaker organised by DGFASLI Kanpur

## *Meetings attended*

- **Dr D Dutt,**

- Attended meeting of PGDPHM partners for conduction of PGDPHM course
- Attended meeting of Centre of Excellence (COE) for HIV/AIDS, at School of Tropical Medicine, Kolkata
- Attended Several Academic Council, Board of Studies meetings of The West Bengal University of Health Sciences related to academic activities of the Institute

## *Some Photographs of Our Activities*



*Figure 20: World Health Day 2021 7th April, “Building a fairer and healthier world “*



*Figure 21: Core course PGT Visiting Model Block Primary Health Centre in Hooghly Jungipara 2021*



# PUBLIC HEALTH NURSING

## *Introduction:*

The Department of Public Health Nursing was established in 1953 to develop nursing manpower for India and other Asian and African countries for assuming the responsibilities of community health nurses, nursing supervisors, specialist nurses, consultants (nursing), trainers (nursing) and administrators in a wide variety of professional settings in the field of community health nursing. The department conducted a regular course, namely, Certificate of Public Health Nursing (CPHN) from 1953 to 1972. The course was reframed as Diploma in Public Health Nursing (DPHN) from 1972 and continued up to 2004. In 2004-05, it was again reframed as Diploma in Nursing Education and Administration [DNEA (CH)] and continued up to 2012-2013. Thereafter, the course has been discontinued for realignment with the INC guidelines. Till date, the total number of nursing personnel trained by the department, under the regular courses, is 1434.

Besides regular courses, short-term skill development training is also conducted on different current issues of public health importance for the nursing personnel of different categories.

## *Other regular activities*

Coordination of Nursing Field Training Programme of Other Institution at UHU&TC, Chetla and RHU&TC, Singur.

## *Faculty*



Dr. A. K. Mallick  
Director-Professor & In-Charge  
M.B.B.S., D.P.H., M.D.(SPM)

**E-mail:** ashokmallick62@yahoo.co.in  
**Mobile No.:** 9433464500  
**Area of expertise:** RCH/ MCH, Research Methodology, Nutrition, Adolescent Health.



Mrs. Uma Chatterjee  
Sister Tutor,  
Master of Nursing (CHN)

**Email:** uma\_chtrj@yahoo.com  
**Mobile No.:** 9432252554  
**Area of expertise:** Community Health Nursing

**Other Members:** MTS - 1

## *Conference/Seminars/Workshop Attended*

- Attended an training workshop on “Good Clinical Practice , recent amendments to the clinical trial rules and ICMR guidelines on Ethics in Biomedical Human Research” training programme on 03.11.21

### *Membership of Committees*

- Mrs. Uma Chatterjee is Member of Ethics Committee of AIIH&PH;

### *Field Activities/Programmes Undertaken*

- Coordinated field training programme for BSc Nursing 2nd year students and MSc. Nursing 1st year students of College of Nursing , Eastern Command Hospital
- Field training programme for 1st year students of M.Sc Nursing , National Institute of Locomotor Disabilities
- Field training programme for 1st year students of M.Sc Nursing, Govt. College of Nursing, IDBG Hospital, Kolkata.

# SANITARY ENGINEERING

## *Introduction*

The main objective of the department is to create a healthy community through the ways and means to safeguard the environment and protection of the natural ecosystem. The dept. had been involved in various ways with different govt. organisation like PHED, KMDA, in West Bengal in solving the environmental health problems. The dept. had prepared the state of the art report on the arsenic contamination of ground water in west Bengal.

## *Teaching Activities*

The department had been conducting the “Master of Engineering (Public Health & Environmental Engineering)” course and other short courses sponsored by CPHEEO, Ministry of Urban Development, Government of India, Ministry of Drinking Water & Sanitation, Govt. of India, and UNICEF & WHO. The ME (PHEE) course is meant for training basic civil engineering graduates for the specialisation in public health or environmental engineering. The course is affiliated to the West Bengal University of Health Sciences. **The courses are temporarily stopped due to non-availability of regular Engineering faculty members in the department.**

The department has started a *Course on Sanitary Health Inspector, a skill development course of 10 months' duration*, under Prime Minister Skill Development Program with an intake capacity of 20 students per batch. In the session 2019-2020 Two students are continuing the training course and completed by April 2020. The session for 2021-22 will be starting from 01-12-2021; little delayed due to Covid 19 situation

The faculties and officers attached with this department takes regular classes of different courses run by the other departments of the Institute, e.g., MD(CM), MD (MPH-Epidemiology), MVPH, DPHM, DPH, DHPE, DHS, Dip. Diet & M.Sc. Nutrition.

## *Faculty*

There are 11 faculty positions sanctioned (Prof. - 2, Associate Professor - 2, Assistant Professor – 4, ARO Biologist – 1, Demonstrator – 2) but **all posts are lying vacant at present.**

Dr. Sanjay Kumar Sadhukhan Professor and Head, Department of Epidemiology is holding **additional charge (Acting)** of the Head of the Department since 14.08.2019

**Dr. Amit Banik**, Assoc. Professor, Dept. of Microbiology & **Dr. Sanjib Das**, SMO & DDO, BN Campus jointly looks after all academic activities of the dept.



Dr. Amit Banik MD  
Associate Professor  
(Microbiology)  
Co-ordinator: SHI course

**E-mail:** dramitbanik@gmail.com  
**Mobile No.:** 9626711524



Dr. Sanjib Das  
DCH DNB (Ped)  
CMO (NFSG) & DDO  
Asst. Co-ordinator: SHI course

**Email:** drsanjib.das@gmail.com  
**Mobile No.:** 7044328468

### *Other Members:*

Designation	Number	Activities Performed
Chemist **	1	Laboratory analysis work
Technician ##	3	Laboratory analysis work
Draftsman	2	Office work
Lab. Attendant (MTS)	2	Support Service

\*\* Posted in RHU&TC, Singur, works 3 days/week in dept.

## One technician is working full time in Election commission of India

### *Other Special Activities*

- Dr Sanjib Das, SMO, is working as DDO of Bidhan Nagar Campus.
- The Dept. of Sanitary Engineering provides services of water analysis to various Govt. organisation and NGOs.
- In this year, **271** parameters in **38** samples of water including the samples from RHU&TC, Singur has been analysed in the laboratory till date.
- The department is also analysing frequently the potable water samples from different sources of the Institute, e. g., Bidhannagar campus, RHU&TC, Singur, UHU&TC, Chetla and main campus at C.R. Avenue.

# STATISTICS

## *Introduction*

Accurate, comprehensive, high-quality data and statistics are central elements of evidence-based public health policy and therefore the section of Vital Statistics and Epidemiology was established in the beginning in All India Institute of Hygiene & Public Health. The increasing application of the statistical methods in data analysis and research required biostatistics to be separated from the Epidemiology as a separate section, the Section of Statistics.

The Section of Statistics in All India Institute of Hygiene & Public Health came into existence in the year 1945 and it was subsequently renamed as the Department of Statistics (DOS). Due to persistent economic, social and geographical diversity, the huge variety across different states health sectors continues to result in visible disparities in health conditions within India. This variety, therefore, plays an important role in its performance in delivering health services and policies. In addition, a special course viz. Diploma in Health Statistics (DHS) commenced under the Department in the year 1966 with participation of students from India and abroad. Moreover, this Department is engaged in imparting training on Statistics to the students of all postgraduate degree and diploma courses run by the Institute and furthermore, it is supporting statistical surveys, special studies and research activities undertaken by the Institute. Statisticians are the specialists of data evaluation, as it is their expertise that allows them to take complex, mathematical findings of research-related data and translate them into valuable information that is used to make public health decisions by utilising statistical tools to enhance science and bridge the gap between theory and practice.

Moreover, the Department has been working as IT Wing of the Institute and as such taking care of the LAN, WAN, NKN Connectivity, Website Development, Maintenance and Updation of IT facilities, etc.

## *Teaching Activities*

- **Regular Course Conducted by the Department**

Diploma in Health Statistics (DHS)

- Level: Diploma (Post Graduate); Duration: One Year (Full Time)
- Affiliation/Recognition: West Bengal University of Health Sciences
- Intake Capacity: 8

- **Involvement in Courses Conducted by other Departments of This Institute**

Core Course

MD(CM) (Post Graduate Degree), MPH(Post Graduate Degree), DPH (Post Graduate Diploma), MVPH(Post Graduate Degree),

Dip-Diet (Post Graduate Diploma);  
DHPE (Post Graduate Diploma)  
MSc (Applied Nutrition) (Post Graduate Degree)

### *Short Courses/Trainings Conducted*

- The department conducts various short courses and training on the use of statistical methods and application of data handling packages such as Excel, Access, SPSS, Epi-Info etc. for the faculty and students of this institute and other medical researchers. It also conducts training on the use of IT for different user groups on various aspects related of public health and medical research.
- The department conducted a one-day workshop on “Principal Component Analysis” for MD (CM) and MPH students of the Institute on 26.02.2021.

### *Other Important Activities*

- 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/WAN), providing support for the operation of Biometric Attendance System etc. have been taken up by the Department on regular basis.

### *Faculty*



Dr. Bandana Sen, ISS  
Director-Professor & Head  
(up to 12.03.2021)  
M.Sc. (Statistics) & Ph.D.

**E-mail:** bandana.sen25@gov.in  
**Mobile No.:** 9836053887  
**Area of expertise:** Applied Probability, Sample Survey, Design of Experiments, Population Studies and statistical packages.



Smt. Shruti Shukla, ISS  
Professor & Acting Head  
(from 13.03.2021)  
M.Sc (Statistics)

**E-mail:** shruti.shukla@nic.in  
**Mobile No.:** 9830867740  
**Area of expertise:** Economic Statistics (Trade & Industry) & different statistical packages like R, SPSS etc.



Ms. Chandrima Das, ISS  
Assistant Professor  
M.Sc. (Statistics)

**E-mail:** chandrima120@gmail.com  
**Mobile No.:** 9831519527  
**Area of expertise:** Bio-statistics including Epidemiology, Survival Analysis, Clinical Trial etc. & different programming software like R, etc.



Shri Anupam Deb Barman,  
Senior Statistical Officer  
B.A in Economics

**E-mail:** debbarmananupam1@gmail.com  
**Mobile No.:** 94744 57887  
**Area of expertise:** Field Work for Large Scale Sample Survey, Survey Methodology, Statistical Applications, etc.



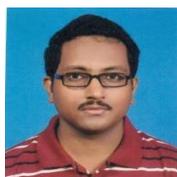
Shri Subhrajit Sarkar,  
Senior Statistical Officer  
M.Sc. in Economics

E-mail: [ssarkar.aiihph@gov.in](mailto:ssarkar.aiihph@gov.in)  
Mobile No.: 94333 05466  
Area of expertise: Field Work for Large Scale Sample Survey, Expertise in Statistical Packages like SPSS, Survey Methodology and IT etc.



Dr. Shampa Mukherjee  
(Kundu),  
Senior Statistical Officer  
Ph.D. (Economics)

E-mail: [shampa\\_kundu@yahoo.co.in](mailto:shampa_kundu@yahoo.co.in)  
Mobile No.: 94335 25849  
Area of expertise: Field Work for Large Scale Sample Survey, Survey Methodology, Health Economics, etc.



Shri Subhojit Ghosh  
Senior Statistical Officer  
M. Com

E-mail: [subhojit.ghosh@gov.in](mailto:subhojit.ghosh@gov.in)  
Mobile No.: 98368 02265  
Area of expertise: Field Work for Large Scale Sample Survey, Survey Methodology, Statistical Applications, etc.

### *Other Members*

Designation	Number	Activities Performed
EDP Staff	2	Electronic Data Processing, IT Support, Field-Support, Documentation, Management of Computer Lab, Software application, Website maintenance, etc.
Stenographer	1	Stenography, Documentation, and Secretarial Service
MTS	1	Support Service

### *Publication*

- Behaviour on Health Issues amidst COVID-19 Lockdown – A Study from Kolkata and neighbouring areas – by Bandana Sen, Shampa Mukherjee (Kundu), Journal of Medical Research and Health Sciences, ISSN (O) 2589-9031 | (P) 2589-9023, Volume 4, Issue 10, 1483-1491 (2021).

### *Research Work*

- Faculties of the Department supported the PG students of all Departments in data handling and statistical analysis of their research project/ thesis.
- Sh. Subhrajit Sarkar, Senior Statistical Officer, acting as co-guide to the following Curricular Research studies by MD(CM) students
  - ✓ A comparative study on household level Malaria Risk Assessment between an urban and a rural area of West Bengal.
  - ✓ An epidemiological study on double-burden of malnutrition among mother-child dyads in a rural area of Hooghly District, West Bengal.

- Dr. Shampa Mukherjee (Kundu), Senior Statistical Officer, acting as co-guide to the following Curricular Research studies
  - ✓ A study to assess the prevalence of hypertension, its associated nutritional risk factors and health seeking behaviour among adults in a village of Purba Medinipur (M Sc Applied Nutrition Dissertation).
  - ✓ A study on wellbeing and morbidity profile of elderly persons residing in selected Old Age Homes of Kolkata (MD Community Medicine Dissertation).
  - ✓ A Study on Health Care Utilization and Out of Pocket Health Expenditure during COVID-19 Pandemic among Households of West Bengal (MD Community Medicine Dissertation).

### *Conference/Seminar/Workshop Attended*

- All faculty members of the department virtually attended a webinar held on the occasion of Statistics Day on 29th June 2021.

### *Examiners*

- Dr. Shampa Mukherjee (Kundu), Senior Statistical Officers, acted as Validator for the Diploma in Health Statistics Entrance examination 2021 conducted by the West Bengal Joint Entrance Board.

### *Additional Responsibility*

- Smt. Shruti Shukla, Professor and HOD (Acting), is acting as –
  - Web-information Manager
- Ms. Chandrima Das, Assistant Professor is acting as the Public Grievance Officer of the Institute.
- Ms. Chandrima Das, Assistant Professor is acting as Chairman of following committees:
  - ❖ Computer Committee
  - ❖ Technical Committee
- Ms. Chandrima Das, Assistant Professor is also acting as Member and rollout officer of e-HRMS Committee of the institute.
- Dr. Shampa Mukherjee (Kundu) is acting as Liaison Officer for Economically Weaker Section and Member, e-Office Committee and Internal Compliance Committee.
- Shri Anupam Deb Barman, Senior Statistical Officer is acting as the Nodal Officer in implementation of e-Office of the Institute as well as Member, e-Office Committee.
- Shri Subhojit Ghosh, Senior Statistical Officer is acting as Warden of Boys' Hostel at the Main Campus of the Institute.
- Shri Subhrajit Sarkar is acting as Member, Anti-Ragging Committee of the Institute.

### *Special Activities*

- Sh. Subhrajit Sarkar, Senior Statistical Officer co-presented a paper with topic “Digital Divide – an Impact of Lockdown in Kolkata and Suburbs” at the 40th Annual Conference of the Centre for Urban Economic Studies, University of Calcutta on 17th March, 2021.
- Under the Swachhata initiative a Sapling Plantation Drive was undertaken by the Officials of the Department of Statistics on 7th and 15th April 2021 in the Main Campus.



## LIBRARY

The AIIH&PH Institute Library is one of the few reference libraries on Public Health Sciences. It has a collection of more than 30156 books, **12** subscribed Journals, few complimentary journals and **9573** Research Papers/Reports/Annuals/Thesis etc.

The Library also provides Reprographic Services for the users. This institute Library has been identified as Regional Medical Library in the Eastern Region by D.G.H.S. and Ministry of Health and Family Welfare.

To promote Hygiene Library and serve the needs of Faculty/Staff and students. It is continued attempt to improve Library services and providing faster access to print and now for online journals too.

### *Resources of the Department:*

- Physical Infrastructure:
  - Reading -- A Big size reading hall along with displayed journals.
  - Computer Infrastructure: 16 PC's for Readers with Internet Connection.
  - Photocopying Facilities available
- Human Resources – 2 Librarian (1 vacant ), 2 LDC (2 vacant), 2 MTS.
- No. of Students year wise: --- Every year all AIIHPH students are entitled to get a Library Card and be the member of Library; hence ALL the student of different courses are LIBRARY students. This year total 98 students have so far applied for Library Card and received it.
- No. of Books in the Library: **30156** books,
- No. of Journals in the Library : **12** subscribed Journals , few complimentary journals
- Research Papers/reports/ in Library : **9573**
- Online Journals accessible: **243+Journals and Cochrane Library Free access.**

### *Initiatives:*

E-Journals (ERMED) subscribed by the AIIHPH Library under NML Consortia. Each journal publication offers free institutional access to thousands of journals through website Ermed.in

## *Staff:*



Abhishek Chaturvedy  
Library Information Asst.  
B.Sc(Hons.), BLISc,  
MLISc, PGDLIM

**E-mail:** abhisheklibrarian @live.in  
abhi.indian4u@gmail.com,

**Mobile No.:** 88209 14033

**Area of expertise:** All Library Housekeeping operations. Handling Library files and Book / Journal Purchase issues, Cataloguing, Classification, Accessioning New Books, Maintenance, ERMED e journals, Referral services to students and faculty.

## *Other staff*

- Mr. Debabrata Mondal and Mr. S.Acharya , MTS.

# HEALTH UNIT & TRAINING CENTRE

## Introduction

Rural Health Unit & Training Centre (RHU & TC), Singur started as Maternity and Child Welfare Unit in 26th March, 1939. RHU&TC, Singur became a part of AIH&PH in 1944-45. Student Hostel, Office Building, P.H. Laboratory and Primary Health Centres of Anandanagar and Nasibpur were established in 1956. Sub-centres at Nasibpur, Paltagarh and Balidipa were also established in 1956. This is the first Rural Health Unit & Training Centre in India which contributed to the “Bhore Committee Report”. This is one of the three field Pilot centres of Primary Health care in India.



- Population. Served : 101,780 (As on 1.4.2020)
- Families :  $\approx$  24,624
- 64 Villages. ( $\approx$  1/3rd of Singur Development Block. 2/3rd - WBHS)
- Total Area: 64.0 Sq. Km.

## Physical Infrastructure Available

- RHU&TC, Singur— Administrative Building, Lecture Hall - 2, Hostel with Canteen-Capacity 90, Public Health Workshop, Transport Section, Classrooms - 2;
- Primary Health Centres – 2; [Anandanagar (PHC) and Nasibpur (PHC)Dearah]
- Health Units/ Subcentre -12 units are working. Health units 1 to 6 is under APHC and Health units 7 to 12is underNPHC.Out of 5 Sub-centre buildings. (4 buildings of

SC, i.e. Nasibpur, Balidipa, Paltagarh and Nanda belong to RHU&TC, Singur & 1 SC building, i.e., Dewanvery belonged to District Health Authority).

- Laboratories – 3(One in RHU&TC & One in each PHCs).

### *Objectives*

- To provide rural field training of various UG, PG and Paramedical courses in Public Health.
- To help in performing Public Health (Field) Research by Students and Experts.
- To provide Primary Health Care in its service area including Public Health Surveillance and Outbreak Management.
- To provide Laboratory Services (Public Health Lab/ Biochemistry Lab) & Sanitary Engineering Services (Construction/Disinfection of Tube wells).
- To implement National Health Program in service area.
- To generate awareness regarding various Health Programs and Health and Hygiene to all the beneficiaries under the service area

### *Teaching activities*

Community exposure including development of skills of Community Diagnosis was provided to PG Students of the institute as per curricular activity of MD(CM), MPH (Epidemiology), M.Sc. (Applied Nutrition), DHPE, MVPH, DPHM, DHS students of the Institute. In addition post graduate and undergraduate nursing and paramedical students from various institutes in the country also participate in public health training in RHUTC Singur.

### *Officers' Profile*



Dr. Asim Sarkar  
CMO(NFSG) and Asst. Prof.  
M.B.B.S., MS (O&G).

E-mail: drasimsarkar@yahoo.co.in  
Mobile No.: 9735332147



Dr. Shamita Mandal  
Chief Medical Officer  
MBBS, DPH

E-mail: shamita777@hotmail.com  
Mobile No.: 89101 97040



Dr. Kausik Das  
Senior Medical Officer  
MBBS

E-mail: dr.kausik81@gmail.com  
Mobile No.: 97337 26059



Dr. Snigdha Basu  
Chief Medical Officer  
MBBS, DMCW

E-mail: [dr.snigdhabasu@gmail.com](mailto:dr.snigdhabasu@gmail.com)  
Mobile No.: 94322 00136



Dr. Ananda Kr Biswas  
Chief Medical Officer  
MBBS

E-mail: [dranandakrbiswas311268@gmail.com](mailto:dranandakrbiswas311268@gmail.com)  
Mobile No.: 94324 16735 / 90078 98395  
A.



Dr. Amalendu Roy  
Senior CMO, SAG  
Ex-Additional Director & Ex-  
Officer In-charge  
M.B.B.S

E-mail: [amalendu.roy1958@gmail.com](mailto:amalendu.roy1958@gmail.com)  
Mobile No.: 9051096053



Dr. Subhash Chandra Mandal  
Senior CMO, SAG, Ex-  
Officer-in-Charge.  
MBBS, DCH.

E-mail: [drscmandal1958@gmail.com](mailto:drscmandal1958@gmail.com)  
Mobile No.: 90381 87589 / 94320 12665



Dr Saurav Ghosh  
Medical Officer  
MBBS

E-mail: [doctorsouravghosh@gmail.com](mailto:doctorsouravghosh@gmail.com)  
Mobile No.: 9831490480  
B.



Dr Soumya Patra  
Medical Officer  
MBBS

E-mail: [soumya2404@gmail.com](mailto:soumya2404@gmail.com)  
Mobile No.: 73629 06306



Dr. Akhilesh Kumar  
Medical Officer  
MBBS, MD.

E-mail: [akhileshrimis@gmail.com](mailto:akhileshrimis@gmail.com)  
Mobile No.: 91101 56584  
C.

### *Activities*

- **Teaching & training activities**

Community/Field exposure including development of skills of Community Diagnosis was provided to PG Students of the institute as per curricular activity of MD(CM), MPH (Epidemiology), M.Sc. (Applied Nutrition), DPH, DHPE, MVPH, DPHM, DHS students of the institute.

## Student Training Programme at RHUTC, Singur

Sl No	Name of the institute	Couse	Year	No. Of students	Period	Duration	Field Area
1.	AIHPH	Core Course	2020-2023	21	1-03-2021 to 19-03-2021	3 weeks	Suvipur village Unit -4
2.	College of Nursing, Command Hospital, Kolkata	B.Sc Nursing M.sc Nursing	1 <sup>st</sup> year, 2 <sup>nd</sup> year, 4 <sup>th</sup> year	73	15-03-2021 to 25-04-2021	6 weeks	Purusottampur village UNIT-4
3.	Govt. College of Nursing ID & BG Hospital	B.Sc Nursing M.sc Nursing	1 <sup>st</sup> year, 2 <sup>nd</sup> year	96	29-03-2021 to 22-05-2021	4 weeks	Ramnagare village UNIT 12
4.	Ailiah University (Dept of Nursing)	B.Sc Nursing	4 <sup>th</sup> year	28	10/03/2021 and 09/04/2021	2 days	Public Health Orientation Training at RHUTC, Singur
5.	Dr H.C. Mukherjee Health School	ANM(R)	Final Year	140	09/04/2021, 05/05/2021, 07/05/2021	One day visit	Public Health Orientation Training at RHUTC, Singur
6.	Dr H.C. Mukherjee Health School	ANM(R)	2 <sup>nd</sup> year and 3 <sup>rd</sup> year	166	18-08-21, 25-08-21, 27-08-21	3 day	Public Health Orientation Training at RHUTC, Singur
7.	National Institute for Locomotor Disabilities, Bon Hooghly, Kolkata	M.Sc (Nursing)	Final year	10	13-09-21 to 22-09-21	10 days	Public Health Orientation Training at RHUTC, Singur
8.	National Institute for Locomotor Disabilities, Bon Hooghly, Kolkata	M.Sc (Nursing)	1 <sup>st</sup> Year	30	20-09-2021	1 day	Health awareness programme on Vector borne diseases at Nasibpur Health centre

## Training Programs Organized For Staffs of RHUTC

Sl.	Name of program	Duration / Dates	No. attended
1.	Training Programme on Orientation for COVID Vaccination at RHUTC, Singur	1 day/08-01-2021	19
2.	Orientation on Covishield vaccine –For all staff at RHUTC, Singur	1 day/14-01-2021	18
3.	Orientation on Covid vaccine –For HCW at NPHC, Dearah	1 day/15/01/2021	9
4.	Orientation on Covid vaccine –For HCW at APHC	1 day/15/01/2021	8
5.	Orientation on Covishield vaccine	1 day/20-01-2021	16
6.	Orientation on IPPI At Paltagarh , Sub centre	1 day/20-01-2021	16
7.	Training regarding COVID Vaccination Programmes for Health workers and PHN	1 day/15-03-2021	20

Sl.	Name of program	Duration / Dates	No. attended
8.	Preparatory Training for SNID, Polio	1 day/27-06-2021	6
9.	ASHA training on COVID vaccination at RHUTC, Singur	1 day/23-06-2021	20
10.	Training on COVID Care /Vaccination at RHUTC, for Informal Health Care Providers	1 Day/12-07-2021	20
11.	ASHA training on COVID vaccination at RHUTC, Singur	1 day/14-07-2021	22
12.	MAA Training for ASHA at RHUTC, Singur	1 day/23-07-2021	14
13	Training on Adolescent Menstrual Hygiene for ASHA at RHUTC,Singur	1 day/30-07-2021	15
14.	Training on Public Health Orientation for M.Sc Nursing Student at RHUTC, Singur	9 day/13-09-2021 to 22-09-2021	10
15	Virtual training For Community through Digital Platform on Non Communicable diseases by Dr. Shamita Mandal	½ hr uploaded On 25/09/2021 through Digital Platform (AV presentation) in Regional language for general Population Of RHUTC, Singur	Community of RHUTC, Singur
16	Training on PCV introduction and implementation in RHUTC Singur service area for PHN, health assistants and health workers.		
17	Training Program on SAANS(Social awareness and action to neutralise Pneumonia successfully) at APHC	1 day training on 26/11/2021	30
18	Training Program on SAANS (Social awareness and action to neutralise Pneumonia successfully) at NPHC	1 day training on 29/11/2021	28

### District Training Programme List:

Sl. No.	Date	Topic
1	07.09.21	sensitization programme on NPCDCS for PHN and DEO
2	22.09.21	Training on Pneumococcal vaccination for PHN
3	10.09.21	District task force meeting on IPPI round September 2021
4	25.11.21	Review training programme on National Leprosy eradication Programme
5	26.11.21	Maternal death review meeting
6	07.09.21	training on Non Communicable disease for PHN
7	26.07.21	training on Non Communicable disease for doctors
8	30.07.21	training on Non Communicable disease for pharmacist and nursing staff
9	06.09.21	Training on Pulse Polio Pogramme for PHN

- Clinical services to the Community

### Patient care services: (Provided through 2 PHCs & 12 Units)

Diseases ( Clinical and or laboratory based)	OPD	Beyond OPD hours (including Emergency)
Diarrhoea	876	48
Soil Transmitted Helminthis (STHs)	229	16
Viral Hepatitis	0	0
ARI	3155	640
Fever	1443	357

Fever with rash	18	0
Dengue Disease	0	6
Malaria		1
Skin diseases	485	153
STD/RTI	52	0
Musculoskeletal	1325	892
Hypertension	4608	469
Diabetes	3176	203
Antenatal & Postnatal	1418 (1101+317)	65
Others (acidity, abdominal pain, dental, gynaecological problem, eye disorder, respiratory problem excluding ARI, TB)	3629	2836
Total	20414	5686

### Maternal and child health services along with Family planning

MCH Services		Performance	
Expected ANC cases : 1176			
Antenatal Cases	Total registered	1101 (94.5%)	
	Registered within 1st Trimester (n=1101)	1078 (97.9%)	
Pregnant Mothers	>4 ANC's	858	
	Hb. level	<11 gm/dl	193 (17.5%)
		<7 gm/dl	Nil
Complete TT immunizations		All mothers (100%)	
Deliveries (for the whole service area including Non-RHU&TC facilities)	Institutional	906	
	Home	0	
Post Natal Visit	Within 48 hrs.	Not applicable	
	48 hrs. – 42 days	737	
Children 12-23 months - fully immunised by one year		1094	
Use of F.P. methods No of Eligible couples 13671	PPIUCD, PA IUCD and interval IUCD (Cu T)	250	
	OCP distributed	7052	
	Condom distributed	8,256	
	Ligation	192	

- **Public Health activities Conducted at RHU&TC, Singur**

- Swachta pakhwara (01st April to 15th April, 2021): spread of Awareness on Swachta among Brickfield Workers of RHU&TC, Singur
- Sanitization programme was conducted in RHU&TC, Singur, Anandnagar PHC, Dearah PHC and all Sub-Centres.
- Hand Washing demonstration, Mask and soap distribution among Brick klin workers.
- Regular sanitization Program by Sanitization department of RHU&TC, Singur: through the year sanitization activities was done at RHU&TC, Singur, PHC, Sub-centres, MCH clinic, Indoor and OPD Clinic, Student Hotels, Public health laboratories, Stores, canteen, Training halls on regular basis to prevent COVID -19 infections.

- **Pandemic COVID 19:**

- Total Number of positive Cases (01/04/21 to 30/11/21): 737
- Total Number of Deaths: 42
- Hospitalization: 178

- **COVID Vaccination :**

- Target population: 61888 in number
- 1st dose covered: 61400 in number

<b>Category of population vaccinated up to 30/11/2021 by staffs of RHUTC, Singur In Target population</b>	<b>Total vaccinated for 1<sup>st</sup> dose</b>	<b>Total vaccinated for 2<sup>nd</sup> dose</b>
General population	31,492	12,336
Brick kiln Vaccination	67	34

- **Activities Done By Our Doctors Health Staffs During Covid-19 Pandemic**

- Regular Surveillance by house to house visit of the community people of our service area through ASHAs& Health Staffs of RHU&TC, Singur since March 2020 till date.
- Contact tracing of Covid19 positive cases and submission of the data to District Health Authority.
- Referral of SARI/ILI cases and their contacts to Hospital (Rural Hospital Singur) for Covid-19 test (RAT/RTPCR).
- Management of Covid-19 positive cases in the community through home isolation, drug treatment and referral to nearest Covid care centres (Safe Home& Hospitals) and home isolation of mild cases.
- Arrangement of Ambulance (102) for picking up the Covid-19 positive patients from house to different Dedicated Covid Hospitals.

- Regular recording and reporting; follow up of the cases and their family members as per format provided by the District Health Authority.
- Participation of Health Staffs in mobile Covid test camps held regularly by the District Administration in different venues under Gram Panchayats of service Area of RHU&TC Singur.
- Virtual meeting and other meeting attendance from to time held by District Health Authority of Hooghly district.
- Preparation and submission of all data related to Covid pandemic to District Health Authority Hooghly by DEOs & PHNS, PHN, Health Staffs under supervision of Doctors.

• **Training Programme on COVID vaccination**

Sl. No	Date	Name of The Training programme on COVID Vaccination	Participants	Number of participants	Venue of the programme
1.	08-01-2021	Training Programme for orientation on COVID vaccination	All doctors, PHNs, PHN, HA, HW of RHU&TC, Singur	19	RHU&TC, Singur
2.	14-01-2021	Orientation on COVISHIELD vaccine	Staffs of RHU&TC, Singur	18	RHU&TC, Singur
3.	15-01-2021	orientation on COVISHIELD vaccine	HCW(s)	9	NPHC, Dearah
4	15-01-2021	orientation on COVISHIELD vaccine	HCW(s)	8	APHC, Anandnagar
5	20-01-2021	orientation on COVISHIELD fact sheet	HCW(s) and ASHA	16	PSC, Paltagarh Subcentre
6	15-03-2021	Training of Health Staffs on Covid vaccination of over 45 years person with comorbidity and over 60 years population under RHU&TC, Singur service area	HCW(s)	24	RHU&TC, Singur
7.	06-04-2021	orientation on COVISHIELD vaccination programme implementation for PHN	PHN	5	RHU&TC, Singur
8.	17-05-2021	Meeting Regarding COVID vaccination programme at APHC/NPHC session of RHU&TC, Singur	Public health staffs of APHC and NPHC	18	RHU&TC, Singur

- Chokher Alo Program (Eye Program)

Total session 4: 12/2/21, 19/2/21, 23/02/21, 25/02/21.

Total Client	1239
Spectacles distribution	674
Cataract cases identified	151
Other case identified and Referred	42

INTENSIFIED MISSION INDRADHANUSH 1 <sup>ST</sup> PHASE 22.2.21 TO 5.3.21															
IMI SESSION FOR THE DAY	NO. OF TARGET CHILDREN (AS PER DUE LIST BASED ON HEAD COUNT)	NO. OF CHILDREN	NO. of Children vaccinated for the first time in life		Fully immunization achieved		BCG	1 <sup>ST</sup> Dose of OPV, PENTA, ARV, fIPV	2 <sup>ND</sup> Dose of OPV, PENTA, ARV, fIPV	3 <sup>RD</sup> Dose of OPV, PENTA, ARV, fIPV	MR1, JE1, Vita OIL 1	DPT, B, OPV B, MR2, JE2, Vit A Oil 2	Completed Immunization achieved	DPTB (5 to 6 Yrs)	No. of ORS Distributed
			0-11 m	12-23 m	0-11m	12-23 m									
10	210	210	9	0	34	108	9	22	14	23	34	108	108	22	25

- Revised National Tuberculosis Control Programme (RNTCP)

Total cases of Tuberculosis	51
No. of active TB cases	21
No. Of TB Case cured	29
MDR Tuberculosis among active case	2
No of death	1
Sputum test Done	127
Cure rate	96.7%
Sputum positive rate	40.1%

- IPPI (Intensive Pulse Polio Immunization ,2021)

No. of Round	3 (Jan , June, September)
Target children	5562 in each round
Children Covered	96.3%

- Village Health Nutrition Day

Session: 302

Attendance: 5850

- **NIPI (National iron Plus Initiative )**

Beneficiaries children (6 month to 5 years ) 4106

- **HIV Screening for antenatal mothers**

No of pregnant women screened for HIV: 1101

No. Of HIV + cases: 0

- **National Leprosy Elimination Programme**

No of case detected: 1 (Multibacillary)

- **Infectious disease surveillance programme (IDSP) Report**

Cases for Syndromic Surveillance	No. of Cases
Fever < 7 days (only Fever )	952
Fever < 7 days (with rash )	6
Cough with or without fever (< 3weeks)	4366
Cough with or without fever (>3weeks)	83
Loose watery stool <2 weeks (with some/much dehydration)	321
Loose watery stool <2 weeks (with no dehydration)	2730

- **Bi-Annual Vit. A Supplementation Programme**

No. of Session: 125

No. of Beneficiary (children aged 9m to 5 years): 3078

- **Non communicable disease Control Programme (NCD), 2021**

Name of the disease	No. of Case Detected this year	Old cases	Total
Diabetes	445	2934	3379
Hypertension	850	4227	5077
Total NCD cases			8456

- **Special Days Observed:**

- Fit India Programme Freedom run and Fit India Movement on 16.9.2021
- Celebration of birthday of Mahatma Gandhi was done on 2.10.2021
- Jana Andolon Campaign for Covid appropriate behaviour was celebrated on 14.10.2021.
- Vigilance Awareness week observation 27.10.2020 to 2.11.21

- **Public Health Laboratory Services**

Total No. of case	10102
Total No. of sample collected	7708
Total patient visited lab	5565

**Type of test done:**

Type of test	Cumulative No. of test	Cumulative no. of positive test
Glucose	2448	1006
Cholestrol	382	112
Uric acid	248	6

**Blood examination report:**

Type of test	Test sample	Test result positive
Blood collected for examination	4429	
Malaria parasite	417	0
VDRL	643	0
HbsAg	645	1
Hb	1225	

**Urine examination report:**

Type of test	Test sample	Test result positive
Urine albumin	743	45
Urine sugar test	756	17
Urine Microscopy	87	11

**Stool examination report:**

Type of test	Test sample	Test result positive
Stool for OPC	647	23

**Sputum examination report:**

Type of test	Test sample	Test result positive
Sputum	127	06 for AFB

Tests	Pathological Lab. & Bio Chemical Lab. RHU&TC, Singur	P.H. Lab. APHC Anandanagar	P.H. Lab. NPHC Dearah	Total
Pathological and Serological (Blood other than MP)	1198	1487	972	3657
Biochemical	1467	891	918	3276
MP	257	94	66	417
Urine	754	417	650	1821
Stool	290	184	173	647

Tests	Pathological Lab. & Bio Chemical Lab. RHU&TC, Singur	P.H. Lab. APHC Anandanagar	P.H. Lab. NPHC Dearah	Total
Sputum Slides	127	0	0	127
Total Tests	3914	3135	3060	10109
Total Patients	2174	1487	1904	5565

- **Sanitary Engineering Section**

Sl. No.	Nature of Work	Total Number
1	No. Of Disinfection of Tube Well & Tube well Platform done	141
2	No. Tube Well Repairing done	09
3	Classes taken on method of chemical Analysis of drinking water	09
4	No. Demonstration given on Environmental Sanitation.	09
5	No. Of Tap cock repairing done	03
6	No. Of Dengue Awareness Survey (No of House Cover)	59
7	No of village covered for giving Awareness to the villagers of the service area during disinfection work about utility of keep the tube well platform clean to avoid source contamination in drinking water	16
8	House Hold Numbering during student Programme (In Days)	06
9	Carpentry Repairing work at office (In Days)	37
11	Sanitization of Vaccination camp after vaccination as per requirement	
12	Regular Maintenance of Demonstration corner during student programme	
13	Routine Sanitization of RHU &TC, Singur and Centres and Sub Centres present under RHU &TC , Singur on weekly and monthly basis .	

- **Demographic Indicators for the Service area (i.e., 64 Villages)**

Indicator	RHU&TC
Crude Birth Rate (per 1000Population)	10.94
Crude Death Rate(per 1000 Population)	10.32
Perinatal Mortality Rate (per 1000 Live births)	10.00
Neonatal Mortality Rate (per 1000 Live births)	5.00
Infant Mortality Rate (per 1000 live births)	12.00
1-4 Yr. Mortality Rate(per 1000 Childs)	Nil
Maternal Mortality Rate (per 100000 live births)	Nil
Contraceptive Use Rate (in %)	69.5%
Tetanus Diphtheria(Td) Immunization: (PW in %)	100%
Immunization Coverage (12-23 Months, in %)	99.5%

*Glimpse of Activities at RHUTC, Singur*









## URBAN HEALTH UNIT & TRAINING CENTRE

The Urban Health unit & Training Centre, Chetla is urban field practice area of All India Institute of Hygiene & Public Health, Kolkata. This Centre established in 1955. This centre is oldest of its kind in South East Asia along with its unique public health practice field. This centre provides community-based learning opportunity and quality teaching / training, not only to the public health students of the Institute but also from other health institutions of India and abroad. This centre offers best possible integrated health care service to the community mostly the slum dwellers, both in the clinical setting and in the community. Total field Practice area of Urban Health Unit & Training Centre is about 3.9 Sq. Km with population 1, 02045 divided predominantly in KMC ward 74 & 82.

### *Functions of Urban Health Unit & Training Centre are as follows*

- Teaching & Training: UHU&TC provides community based learning opportunity in view to generate skilled public health manpower.
- Investigations & Research: Mostly need based operational and health system research.
- Services to the Community: Integrated facility and community based preventive, promotive and curative services.
- Surveillance, Outbreak Investigation & Containment Measures
- In National emergencies as per directives of Government of India.

### **Teaching & Training:**

- ✓ M.D. (PSM) AIIH&PH, Kolkata
- ✓ MVPH, AIIH&PH, Kolkata
- ✓ MPH, AIIH&PH, Kolkata
- ✓ M.Sc. (Applied Nutrition) AIIH&PH, Kolkata
- ✓ M.Sc. (Nursing) from different colleges of Kolkata, WB, and All India
- ✓ PhD (whenever enrolled in teaching Departments of AIIH&PH)
- ✓ DPH, AIIH&PH, Kolkata
- ✓ DHPE, AIIH&PH, Kolkata
- ✓ Dip Diet, AIIH&PH, Kolkata
- ✓ B.Sc.(H) (Nursing) from colleges of Kolkata, WB, and All India
- ✓ GNM from different Nursing schools of Kolkata

## Officers' Profile



Dr. Amitabha Dan  
Advisor(PHS) & Additional  
Director  
M.B.B.S, D.I.H, Master in  
Applied Epidemiology  
(ICMR, Chennai)

E-mail: dan.amitabha@gmail.com  
Mobile No.: 70445 44489



Dr. Ketaki Sharma  
CMO  
MBBS, DMCW

E-mail: dr.ketakisharma1@gmail.com  
Mobile No.: 9433937875



Dr. Rajarshi Chakraborty  
Senior Medical Officer  
M.B.B.S

E-mail: raj700031@gmail.com  
Mobile No.: 983046456



Dr. Bokam Usha Rani  
Medical Officer  
M.B.B.S

E-mail: usharani.b25@gmail.com  
Mobile No.: 76800 27145

## Training Programme Organized

**No of Batches: 13      No of Students: 335**

Sl No	Name Of Programme	Duration/Dates	No. Attended	Institute
1	Field Training Programme of <b>Post Basic B.Sc. Nursing</b> Students	4 Wks. ( 4/1/21-29/1/21)	25	College of Nursing, Medical College Hospital, Kolkata.
2.	Field Training Programme of <b>Post Basic B.Sc. Nursing</b> Students	4 Wks. ( 1/2/21-26/2/21)	25	College of Nursing, Medical College Hospital, Kolkata.
3.	Field Training Programme of <b>B.Sc. Nursing</b> Students	3 Wks. ( 1/3/21-19/3/21)	25	College of Nursing, R G Kar Medical College Hospital, Kolkata.
4.	Field Training Programme of <b>B.Sc. Nursing</b> Students	3 Wks ( 22/3/21 -9/4/21 )	25	College of Nursing, R G Kar Medical College Hospital, Kolkata.
5.	Field Training Programme of <b>B.Sc. Nursing</b> Students	2 Wks ( 19/4/21- 30/4/21 )	23	College Of Nursing, Medical College Hospital, Kolkata.
6.	Field Training Programme of <b>M.Sc. Nursing</b> Students	3 Wks ( 19/4/21 -7/5/21 )	04	College Of Nursing, Medical College Hospital, Kolkata.

Sl No	Name Of Programme	Duration/Dates	No. Attended	Institute
7.	Field Training Programme of A N M (R) Students (2 <sup>nd</sup> yr.)	2 Wks ( 19 /07/21-30/07/21 )	30	ANM Training School. Vidyasagar S G Hospital, Kolkata.
8.	Field Training Programme of A N M (R) Students (2 <sup>nd</sup> yr.)	2 Wks (02/08/21 -13/08/21 )	30	ANM Training School. Vidyasagar S G Hospital, Kolkata.
9.	Field Training Programme of A N M (NUHM) Students	2 Wks (16/08/21 -27/08/21 )	35	ANM Training School. Vidyasagar S G Hospital, Kolkata.
10.	Field Training Programme of A N M (R) Students (1st yr.)	2 Wks (30/08/21- 10/09/21)	30	ANM Training School. Vidyasagar S G Hospital, Kolkata.
11.	Field Training Programme of A N M (R) Students (1st yr.)	2 Wks (13/09/21-24/09/21)	30	ANM Training School. Vidyasagar S G Hospital, Kolkata.
12.	Field Training Programme of B.Sc. Nursing Students	2 Wks(16/11/21-26/11/21)	49	College of Nursing, Medical College Hospital, Kolkata.
13.	Field Training Programme of M.Sc. Nursing Students	2Wks (16/11/21-26/11/21)	04	College of Nursing, Eastern Command Hospital, Kolkata.

- C M E / Orientation Training Programme**

**Total No: 04      Total Participants: 76**

Sl No	Name of the Training Programme	Date of Programme	Number of Participants	Designation
1	CME on Bi- Annual Vitamin A Oil Supplementation Programme & Routine Immunization.	02-06-2021	11	PHNS, PHN, Nurse Sister, A (F).
2	CME on Vaccine Preventable Diseases.	05-08-2021	32	CMO, SMO, MO, JR(PSM), PHNS, PHN, Sister, Nurse & HA (F).
3	Training on COVID VACCINATION.	27-08-2021	17	A.D, CMO. MO, PHNS, PHN, Nurse, Sister, HA(F), HA(M), LabTech, Social Worker, DEO.
4	CME on Pneumococcal Conjugate Vaccine (PCV)	21-09-2021	16	CMO.SMO, MO, PHNS, PHN& HA-F.

- Awareness Programme**

**Total Awareness Programme: 14      Total Participants: 567**

Sl No	Name of the Programme	Date & Place	No & Type of Participants	Organized by
1.	Diabetic Diet	24/01/2021 General OPD UHU&TC, Chetla	06 Community People	B.Sc. Nursing Stds & MCH Section of UHU&TC, Chetla.
2.	Birth Preparedness and readiness	25/01/2021 MCH Clinic UHU&TC, Chetla	08 Eligible Couple & Mother.	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
3.	Method of Cooking, maintaining Nutrition	27/01/2021 MCH Clinic UHU&TC, Chetla	06 ANC/PNC Mother	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
4.	Health Awareness programme on Prevention of Covid-19	29/01/2021 Community Hall of UHU&TC, Chetla.	50 Community People	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
5.	Health Awareness programme on World Cancer Day .	04/02/2021 Occupational Health Clinic & Charka Ghar of UHU&TC, Chetla.	20 Community People	BSc Nursing Stds & OH Section of UHU&TC, Chetla.
6.	Health Awareness programme on Prevention of Covid-19	26/02/2021 86 Pally Club, 2 No Chetla Hat Rd.	60 Community People	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
7.	Health Awareness programme on Mosquito borne Diseases	18/03/2021 Community-45 Chetla Rd, Chetla.	27 Community People	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
8.	Health Awareness programme for Women of Reproductive age on Menstrual Hygiene.	06/04/2021 Community-4/11 A M Lane, Chetla.	50 Eligible Couple Adolescent Girl	MCH Section of UHU&TC, Chetla.
9.	Health Awareness Programme on Hypertension.	08/04/2021 Community-7 S B Lane, Chetla.	32 Community People	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.
10.	Health Awareness Programme for Mother on Kitchen Hygiene & bad effect of Plastic Use.	09/04/2021 Community-107 Alipur Rd, Chetla.	50 Female member & Mother of Community.	MCH Section of UHU&TC, Chetla.
11.	Health Awareness Programme on Personal Hygiene special emphasis on Covid safety.	12/04/2021 Community-50 Alipur Rd, Chetla.	54 Community People.	MCH Section of UHU&TC, Chetla.
12.	Celebration of World Health Day	07/04/2021 Immunization Clinic	25 Mother of under 5 Children	MCH Section of UHU&TC, Chetla.
13.	Awareness Programme & Work shop on Diabetes	16/11/2021 Community hall of UHU&TC, Chetla	151 NCD Patient & Other Community People.	UHU&TC, Chetla.
14.	Dengue Awareness & Prevention Programme	26/11/2021 Community-50 Alipur Rd, Chetla.	28 Community People.	BSc Nursing Stds & MCH Section of UHU&TC, Chetla.

- **Health Education**  
(Given by Nursing Students during their Field Training Programme at UHU&TC, Chetla)

**Total Health Education: 25      Total Participants: 210**

Sl No	Topic of Health Education	Date	No of Participants	Group of Participants	Venue
1.	New-born Care	04/02/2021	06	Antenatal Mother	MCH Clinic
2.	Permanent Method of Family Planning	09/02/2021	06	Eligible Couple	Family Planning Clinic
3.	Food Hygiene	09/02/2021	06	Mother	MCH Clinic
4.	Prevention of Home Accident of Toddler & Pre-school Children	10/02/2021	10	Mother	MCH Clinic
5.	Care of Low Birth Weight Baby	10/02/2021	10	Antenatal Mother	MCH Clinic
6.	Diabetic Diet	15/20/2021	10	Patient of GOPD	GOPD
7.	Prevention of Water borne Diseases	15/02/2021	10	School Children & Mother	School Health Clinic
8.	Prevention of Occupational Hazards	18/02/2021	10	Working Person	GOPD
9.	Prevention of Cancer	18/02/2021	12	OPD Patient	GOPD
10.	Antenatal Diet	18/02/2021	08	Antenatal Mother	MCH Clinic
11.	Play Materials for > Five Yrs Children	22/02/2021	09	Mother	MCH Clinic
12.	Care of Elderly Person	22/02/2021	07	Senior Citizen	GOPD
13.	Prevention & control of Hypertension	23/02/2021	20	Hypertensive Patient	NCD Clinic
14.	Postnatal Diet & Exercise	24/02/2021	21	Postnatal Mother	Immunization Clinic
15.	Complementary Feeding	21/04/2021	05	Postnatal Mother	Immunization Clinic
16.	Importance of Exclusive Breast Feeding	21/04/2021	06	Postnatal Mother	Immunization Clinic
17.	Cough Hygiene	22/04/2021	05	General Patient	GOPD
18.	Prevention of Anaemia among Adolescent Girl	23/04/2021	06	Adolescent Girl/Mother	GOPD
19.	Importance of Personal Hygiene	23/02/2021	05	General Patient	GOPD
20.	Menstrual Hygiene	26/02/2021	03	Adolescent Girl	School Health Clinic
21.	Dental Hygiene	26/02/2021	06	School Children	School Health Clinic
22.	Hand Hygiene	26/02/2021	06	School Children	School Health Clinic

Sl No	Topic of Health Education	Date	No of Participants	Group of Participants	Venue
23.	Prevention & Control of Pneumonia among Children	28/02/2021	05	Mother	Immunization Clinic
24.	Lifestyle Modification to prevent & control Hypertension.	27/04/2021	12	NCD Patient	NCD Clinic
25	Prevention & Control of Worm Infestation	28/04/2021	06	Mother	MCH Clinic

- **OPD Attendance**

### General OPD & Different Special Clinics in UHU&TC, Chetla

Month	General OH CI		Total	MCH OPD				FP CI.	SH CI.	AFHC	TB CI.	MH CI	Emergency Patient	Total OPD Attendance
	Morning	Afternoon		U-A	U-B	U-C	Total							
Dec-20	1747	-	1747	418	418	278	1114	60	80	-	339	5	10	<b>3355</b>
Jan-21	1265	131	1396	319	191	183	693	37	104	-	338	5	9	<b>2582</b>
Feb-21	1289	332	1621	312	184	218	714	53	112	6	390	6	6	<b>2908</b>
Mar-21	1602	358	1960	273	213	205	691	36	144	14	443	5	16	<b>3309</b>
Apr-21	1431	351	1782	233	131	132	496	59	61	0	343	3	7	<b>2751</b>
May-21	1098	98	1196	117	115	39	271	19	32	0	390	4	1	<b>1913</b>
Jun-21	2013	-	2013	435	391	221	1047	0	155	0	384	6	8	<b>3613</b>
Jul-21	2275	-	2275	292	173	164	629	15	142	0	485	6	24	<b>3576</b>
Aug-21	2369	-	2369	334	229	112	675	24	188	0	447	5	35	<b>3743</b>
Sep-21	1915	123	2038	281	170	169	620	0	147	1	413	5	6	<b>3230</b>
Oct-21	1565	245	1810	244	145	152	541	0	107	5	319	5	5	<b>2792</b>
Nov-21	2141	390	2531	247	190	161	598	0	151	16	346	6	5	<b>3653</b>
<b>Total</b>	<b>20710</b>	<b>2028</b>	<b>22738</b>	<b>3505</b>	<b>2550</b>	<b>2034</b>	<b>8089</b>	<b>303</b>	<b>1423</b>	<b>42</b>	<b>4637</b>	<b>61</b>	<b>132</b>	<b>37425</b>

\*\* NCD Cases are included in General OPD. \* G OPD-General OPD \*MCH- Mother & Child Health \*F P CI.- Family Planning Clinic \*S H CI.-School Health Clinic \*AFHC- Adolescent Friendly Health Cl. \*MH CI.- Mental Health Clinic \*NCD- Non Communicable Diseases

- **MCH Activities (December -2020 to November-2021)**

A ANC SERVICES		
1	Total No of ANC Reg.	63
2	ANC Reg. within 1st trimester	63

3	ANC-TT /1	61
4	ANC-TT/2	62
5	ANC-TT/Booster	12
6	ANC-180 IFA Tablet	175
7	ANC-360 Calcium Tablet	175
8	ANC-1 Albendazole Tab > 12 Wks.	13
9	4 or more ANC Check up	117
<b>B</b>	<b>PNC Service</b>	
1	PN Mother -180 IFA Tab	245
2	PN Mother -360 Ca Tab	245
<b>C</b>	<b>FP Services</b>	
1	No of OCP Distributed	391
2	No of Condom pcs Distributed	13014
3	No of Injectable Contraceptive (Antara Prog.)	148
4	No of Centchroman (Wkly ) Pill Distributed	12
5	No of PTK Used	374
<b>D</b>	<b>CHILD IMMUNIZATION</b>	
1	BCG	5
2	Pentavalent-1	170
3	Pentavalent-2	187
4	Pentavalent-3	195
5	OPV-0	1
6	OPV-1	171
7	OPV-2	188
8	OPV-3	195
9	PCV-1	09
10	PCV-2	01
11	PCV-BD	00
12	fIPV-1	170
13	fIPV-2	195
14	Rota Virus Vaccine -1 (RVV-1)	170
15	Rota Virus Vaccine -2 (RVV-2)	187
16	Rota Virus Vaccine -3 (RVV-3)	195
17	MR-1	192
18	JE-1	192
19	Fully Immunized-M (9-11 months)	90
20	Fully Immunized-F (9-11 months)	102
21	Total Fully Immunized (14+15)	192
22	MR-1 (after 1 yr. of age)	04
23	JE-1 (after 1 yr. of age)	04
24	MR-2 (16-24 Months)	208
25	JE-2 (16-24 Months)	247

26	DPT-Booster (16-24 months)	208
27	OPV- Booster (16-24 months)	208
28	DPT-5 Yrs.	229
29	TT/ Td -10 Yrs.	243
30	TT/Td -16 Yrs.	177
31	Immunization Session Planned	47
32	Immunization Session Held	47
33	Vitamin A Dose-1st	192
34	Vitamin A Dose-5th	122
35	Vitamin A Dose-9 th	06
36	No of Child(12-59 months)-Albendazole	546
<b>E</b>	<b>Childhood Diseases-</b>	
32	Pneumonia	319
33	Diarrhoea	178
34	Tuberculosis	00
35	Malaria	00
36	Measles	01
37	AFP	00
38	No of severely underweight Children	00

- **Special Public Health Programme**

- 1. Outreach Session/Urban Health & Nutrition Day (UHND)-**

No. of session held	02
No of Beneficiaries Attended	44

- 2. IDCF (Intensified Diarrhoea Control Fortnight) - From 15.07.2021 to 30/07/2021**

No of under five children covered 263

- 3. World Population Control Fortnight (12.7.2021 to 31.7.2021)**

Method	No of beneficiaries
Oral pill distributed (OCP)	96 cycle
Conventional Contraceptive distributed (CC)	3220 pcs
Injectable Contraceptive (ANTARA)	08 doses
Emergency Contraceptive Pill (ECP)	2

- 4. Intensified Pulse Polio Programme (IPPI) - 2021**

Date	No of Children Vaccinated
31.01.2021 (NID )	53
27.06.2021 (SNID)	68
26.09.2021 (SNID )	49
Total 3 Sessions held	170

## 5. Case Based Measles – Rubella (M-R) Surveillance Done 2021

Number of Cases investigated 01

Number of Blood Sample Collected 01

## 6. New Initiative

PCV (Pneumococcal Conjugate Vaccine) -- 10/11/2021.

### • Total Number of OPD Cases at a Glance during Dec '20 to Nov '21

Month by Disease & Code	Dec'20	Jan'21	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Total	%
<b>Total Registration Patients</b>	1747	1404	1584	1970	1775	1237	2013	2270	2316	2036	1810	2530	<b>22692</b>	
<b>Male</b>	695	596	666	775	747	533	819	958	953	920	803	1085	<b>9550</b>	42.09%
<b>Female</b>	1052	808	918	1195	1028	704	1194	1312	1363	1116	1007	1445	<b>13142</b>	57.91%
<b>Total Treated Patients</b>	1117	940	1025	1446	1557	929	1491	1569	1708	1558	1549	2223	<b>17112</b>	
<b>Male</b>	464	396	415	544	643	391	581	645	716	692	672	965	<b>7124</b>	41.63%
<b>Female</b>	653	544	610	902	914	538	910	924	992	866	877	1258	<b>9988</b>	58.37%
<b>Total Fever Cases</b>	91	22	16	23	77	48	91	161	168	144	225	320	<b>1386</b>	8.10%
<b>Total Injuries</b>	61	57	66	65	73	64	71	68	82	82	73	96	<b>858</b>	5.01%
<b>Total GIT Disorders</b>	83	80	103	143	121	95	121	138	116	107	92	134	<b>1333</b>	7.79%
<b>Total Skin Disorders</b>	129	89	108	188	135	96	167	157	190	155	131	217	<b>1762</b>	10.30%
<b>Total ARI</b>	220	202	242	240	247	128	312	342	371	316	234	337	<b>3191</b>	18.65%
<b>Total other Infections</b>	37	36	33	75	44	31	45	45	49	37	31	49	<b>512</b>	2.99%
<b>Total Deficiency diseases</b>	45	29	28	30	16	10	17	27	26	19	10	23	<b>280</b>	1.64%
<b>Total NCDs</b>	419	369	361	582	459	342	470	468	540	440	490	675	<b>5615</b>	32.81%
<b>Other Reasons</b>	32	56	68	100	385	115	197	163	166	258	263	372	<b>2175</b>	12.71%
<b>Total</b>	<b>1117</b>	<b>940</b>	<b>1025</b>	<b>1446</b>	<b>1557</b>	<b>929</b>	<b>1491</b>	<b>1569</b>	<b>1708</b>	<b>1558</b>	<b>1549</b>	<b>2223</b>	<b>17112</b>	

### • Public Health Laboratory – December 2020 to November 2021

The total number of tests performed by Public Health Laboratory is 8034 break-ups of which is given below. It covers all patients referred by clinics run the centre including Malaria Control Programme, RNTCP. It also covers other field and student programme of UHU & TC, Chetla.

Total Hb%	Male Hb%			Antenatal Female Hb%			Other Female Hb%			TC	DC	ESR	Haematology others
	Hb% 13 gm/dl & above	Hb% below 13 gm/dl	Hb% below 7 gm/dl	Hb% 11 gm/dl & above	Hb% below 11 gm/dl	Hb% below 7 gm/dl	Hb% 12 gm/dl & above	Hb% below 12 gm/dl	Hb% below 7 gm/dl				
799	181	97	00	32	28	00	180	262	19	967	967	520	23

Month	Sputum for AFB diagnosis patient		Sputum for AFB follow-up patient		Total Sputum for AFB slide			Blood Group							
	Total	+ve	Total	+ve	Total	+ve	-ve	A (+)	A (-)	B (+)	B (-)	AB (+)	AB (-)	O (+)	O (-)
December'20 to November'21	122	12	34	7	277	28	249	17	00	34	00	10	00	30	03

hCG			Typhidot	Ra factor	C.R.P.	ASO Titre	HBsAg	HCV	VDRL		Malaria Antigen		Malaria						
Total	+ve	Neg							Total	+ve	Total	+ve	Gen.	Clinic	Total MP Slide	+ve	Neg	MT	
138	50	88	21	15	12	07	57	02	54	00	66	19	1310	00	1310	213	1097	162	51

Blood sugar	Urine sugar	Cholesterol	Triglyceride	HDL	LDL	VLDL	Uric Acid	Urine RE	Urine ME	Stool RE	Stool ME	OPC POS	OBT
1253	306	65	65	65	65	65	83	365	365	39	39	02	00

Total no. of tests: 8034

Total no. of samples: 3723

Total no. of patients: 3416

• TB Unit – December 2020 to November 2021

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	June 21	July 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
<b>1. Total Number of TB Cases :</b>	2	5	3	3	6	3	3	6	2	2	3	3	41
Pulmonary:	1	4	2	3	4	1	3	4	2	2	3	0	29
Extra Pulmonary:	1	1	1	0	1	2	0	2	0	0	0	2	10
MDR	0	0	0	0	1	0	0	0	0	0	0	1	2
<b>2. New Smear Positive :</b>	0	3	1	3	2	1	3	2	1	1	3	0	20
Smear Negative	0	0	0	0	1	0	0	0	1	0	0	0	2
Extra Pulmonary:	1	0	1	0	1	2	0	2	0	0	0	2	9
<b>3. Re-Treatment Cases :</b>	0	2	0	0	1	0	0	1	0	1	0	0	5
Smear Positive :	0	1	0	0	0	0	0	1	0	1	0	0	3
Smear Negative :	0	0	0	0	1	0	0	0	0	0	0	0	1
Extra Pulmonary:	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>4. CBNAAT Positive:</b>	1	0	1	0	0	0	0	1	0	0	0	0	3
<b>5. Category - I :</b>	2	3	3	3	4	3	3	5	2	1	3	2	34
<b>Category -II :</b>	0	2	0	0	1	0	0	1	0	1	0	0	5

		Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	June 21	July 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
	MDR	0	0	0	0	1	0	0	0	0	0	0	1	2
<b>6. Treatment Outcome :</b>		0	2	1	3	1	1	2	2	5	1	3	0	21
Cured case :		0	2	0	3	0	0	1	0	4	1	1	0	12
Treatment completed case :		0	0	1	0	1	1	1	1	1	0	2	0	8
Number of death case :		0	0	0	0	0	0	0	0	0	0	0	0	0
Number of failure case :		0	0	0	0	0	0	0	1	0	0	0	0	1
Number of defaulter case :		0	0	0	0	0	0	0	0	0	0	0	0	0
Number of admission case :		0	0	0	0	0	0	0	0	0	0	0	0	0
Number of referred case:		0	0	1	1	0	0	0	0	0	0	0	0	2
<b>7. Total No. of HIV Positive Case :</b>		0	0	0	1	0	0	0	0	0	0	0	0	1
<b>8. Total No. of MDR Case :</b>		0	0	0	0	1	0	0	0	0	0	0	1	2
<b>9. Total No. of Male Case :</b>		0	3	1	3	4	2	2	4	1	1	2	2	25
<b>10. Total No. of Female Case :</b>		2	2	2	0	1	1	1	2	1	1	1	1	15
<b>11. Total No. of Child Case :</b>		0	0	0	0	0	1	1	0	1	0	0	0	3
<b>12. Total No. of XDR Case :</b>		0	0	0	0	0	0	0	0	0	0	0	0	0

- School Health Awareness Programme**

TOPIC	Date of Observation	No. of Participants	
		Students	Parents
World Aids Day	04.12.2020	12	6
World Leprosy Day	27.01.2021	12	7
World Cancer Day	04.02.2021	14	7
National Deworming Day	10.02.2021	8	6
Reproductive Awareness Day	15.02.2021	7	5
World Oral Health Day	19.03.2021	6	6
World Water Day	22.03.2021	12	7
World Health Origination Day	07.04.2021	13	13
World Malaria Day	28.04.2021	8	8
World Food Safety Day	07.06.2021	9	9
International Yoga Day	21.06.2021	17	6
World Hepatitis Day	28.07.2021	17	9

TOPIC	Date of Observation	No. of Participants	
		Students	Parents
Nutrition Week	01.09.2021	15	9
World Mental Health Day	06.10.2021	11	7
World Obesity Day	08.10.2021	3	3
Global Hand washing Day	18.10.2021	7	7
World Iodine Deficiency Day	25.10.2021	12	7
World Immunization Day	10.11.2021	11	9

### 1. School Health OPD Clinic Report: December 2020 to November 2021

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Annual Report
No of clinic sessions	7	10	11	13	7	6	9	5	8	10	10	12	108
Total boy patient	44	50	49	70	30	16	76	74	104	76	60	80	729
Total girl patient	37	54	63	74	31	16	79	68	84	71	47	71	695
<b>Total diseased student</b>	<b>81</b>	<b>104</b>	<b>112</b>	<b>144</b>	<b>61</b>	<b>32</b>	<b>155</b>	<b>142</b>	<b>188</b>	<b>147</b>	<b>107</b>	<b>151</b>	<b>1424</b>

### 2. Immunisation in School Health Clinic

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
<b>Vaccination-- JE</b>													
Vaccinated Boy Student	0	4	2	3	0	1	3	5	2	0	0	0	20
Vaccinated Girl Student	0	1	3	1	1	0	6	3	4	0	0	0	19
<b>Total</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>
<b>Vaccination- Inj T.D. (10 years).</b>													
Vaccinated Boy Student	9	12	8	11	4	1	13	9	14	10	4	6	101
Vaccinated Girl Student	10	9	11	11	2	1	11	8	11	11	1	6	92
<b>Total</b>	<b>19</b>	<b>21</b>	<b>19</b>	<b>22</b>	<b>6</b>	<b>2</b>	<b>24</b>	<b>17</b>	<b>25</b>	<b>21</b>	<b>5</b>	<b>12</b>	<b>193</b>
<b>Vaccination- Inj T.D. (16 years)</b>													
Vaccinated Boy Student	6	8	2	4	3	1	13	6	6	7	4	2	62
Vaccinated Girl Student	4	6	6	7	4	2	12	8	7	9	6	2	73
<b>Total</b>	<b>10</b>	<b>14</b>	<b>8</b>	<b>11</b>	<b>7</b>	<b>3</b>	<b>25</b>	<b>14</b>	<b>13</b>	<b>16</b>	<b>10</b>	<b>4</b>	<b>135</b>

### 3. Nature of Diseases in School Health Clinic

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
<b>Fever Case</b>													
Boys	6	2	3	7	4	1	14	21	47	14	11	21	151
Girls	1	5	12	7	1	1	17	12	29	15	10	14	124
<b>Total</b>	<b>7</b>	<b>7</b>	<b>15</b>	<b>14</b>	<b>5</b>	<b>2</b>	<b>31</b>	<b>33</b>	<b>76</b>	<b>29</b>	<b>21</b>	<b>35</b>	<b>275</b>
<b>GI Disorder</b>													
Boys	4	2	7	6	2	2	5	3	2	7	2	3	45
Girls	3	5	5	5	1	1	6	2	5	1	1	3	38
<b>Total</b>	<b>7</b>	<b>7</b>	<b>12</b>	<b>11</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>5</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>6</b>	<b>83</b>
<b>Worm Infest/ Expulsion</b>													
Boys	12	12	8	14	3	4	11	14	6	4	5	12	105
Girls	11	9	11	10	5	3	15	7	3	2	7	11	94
<b>Total</b>	<b>23</b>	<b>21</b>	<b>19</b>	<b>24</b>	<b>8</b>	<b>7</b>	<b>26</b>	<b>21</b>	<b>9</b>	<b>6</b>	<b>12</b>	<b>23</b>	<b>199</b>
<b>ARI</b>													
Boys	11	6	5	12	5	3	15	9	15	15	17	19	132

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
Girls	5	11	11	13	4	2	13	9	13	19	16	14	130
Total	16	17	16	25	9	5	28	18	28	34	33	33	262
<b>Skin Disorder</b>													
Boys	4	5	4	9	2	2	9	6	12	17	13	19	102
Girls	5	6	7	11	3	2	12	3	11	4	5	12	81
Total	9	11	11	20	5	4	21	9	23	21	18	31	183
<b>Pediculosis</b>													
Boys	1	3	2	3	1	2	1	2	1	1	5	3	25
Girls	3	4	7	4	2	2	2	3	4	3	7	8	49
Total	4	7	9	7	3	4	3	5	5	4	12	11	74
<b>Injury</b>													
Boys	2	4	4	5	2	2	5	4	7	7	8	2	52
Girls	2	1	1	2	1	0	1	1	2	4	0	1	16
Total	4	5	5	7	3	2	6	5	9	11	8	3	68
<b>Burn</b>													
Boys	0	0	0	0	0	0	0	1	1	0	1	1	4
Girls	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	1	0	1	1	4

• **School Health OPD Clinic Report**

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
<b>Dental Infection/ Caries</b>													
Boy	3	4	1	3	2	2	3	4	6	4	5	9	46
Girl	6	7	7	8	6	3	5	5	11	2	7	12	79
Total	9	11	8	11	8	5	8	9	17	6	12	21	125
<b>Eye Infection/ Problem</b>													
Boy	1	1	1	0	0	0	4	0	2	1	1	0	11
Girl	0	0	1	0	1	0	4	0	1	1	3	2	13
Total	1	1	2	0	1	0	8	0	3	2	4	2	24
<b>Ear Infection/ Otitis Media</b>													
Boy	2	1	1	4	3	0	0	2	6	3	0	1	23
Girl	1	0	1	2	1	0	4	2	0	0	2	2	15
Total	3	1	2	6	4	0	4	4	6	3	2	3	38
<b>General Pain</b>													
Boy	4	3	5	0	0	0	3	1	3	0	1	3	23
Girl	3	8	1	1	1	1	4	1	0	2	0	8	30
Total	7	11	6	1	1	1	7	2	3	2	1	11	53
<b>Head Ache</b>													
Boy	2	3	4	7	4	3	4	1	2	2	1	1	34
Girl	5	9	9	7	1	2	4	2	1	1	3	2	46
Total	7	12	13	14	5	5	8	3	3	3	4	3	80
Gyaeno Prob	4	8	7	4	13	5	7	17	12	3	12	11	103
<b>UTI</b>													
Boy	1	2	0	0	1	1	1	2	8	1	5	5	27
Girl	2	0	7	5	1	0	7	17	1	4	1	4	49
Total	3	2	7	5	2	1	8	19	9	5	6	9	76
<b>Rat/Dog /Insects Bite</b>													
Boys	0	0	0	1	0	0	0	0	0	0	1	1	3
Girls	0	0	1	1	0	2	0	0	1	0	0	0	5
Total	0	0	1	2	0	2	0	0	1	0	1	1	8
<b>Only Lab Test</b>													
Boys	2	0	0	0	0	0	0	0	0	0	0	0	2
Girls	0	2	0	0	0	0	0	2	0	0	0	0	4
Total	2	2	0	0	0	0	0	2	0	0	0	0	6
<b>Case Ref</b>													

Boys	0	0	1	0	0	2	8	4	5	4	6	4	34
Girls	1	0	0	0	0	7	14	17	17	7	9	17	89
Total	1	0	1	0	0	9	22	21	22	11	15	21	123
<b>Other Cases</b>													
Boy	2	4	6	5	2	0	1	1	0	1	6	4	32
Girl	7	7	11	9	1	1	0	1	1	2	9	17	66
Total	9	11	17	14	3	1	1	2	1	3	15	21	98

- **Adolescent Friendly Health Clinic**

	Dec 20	Jan 21	Feb 21	Mar 21	Apr 21	May 21	Jun 21	Jul 21	Aug 21	Sep 21	Oct 21	Nov 21	Total
Counselling		1	1	2	2	1				1	1	2	11
Boy			3	6		0				1	1	9	20
Girl			3	8		1				0	4	7	23
Total Coun. Student		1	7	16	2	2				2	6	18	54

*Some of the photos of our Activity:*



Figure 22: Swachhata Pakwada pledge taking ceremony on 1st April, 2021:



*Figure 23: Swachhata Pakwada awareness campaign in Harendra Nath School:*



*Figure 24: Short training programme on COVID vaccination held on 27th August, 2021*



Figure 25: Flag hoisting ceremony on 15th August 2021



Figure 26: Awareness programme on Diabetes, done on 16th November, 2021:

## OUR STUDENTS

Name of the Course (Session)	No. of Students
MD (Community Medicine), Session 2018 - 2021	09
MD (Community Medicine), Session 2019 - 2022	08
MD (Community Medicine), Session 2020 - 2023	18
M.P.H. (Epidemiology) – 2018 - 2021	06
M.P.H. (Epidemiology) – 2019 - 2022	03
M.P.H. (Epidemiology) – 2020 - 2023	05
M.Sc. in Applied Nutrition, Session 2019 - 2021	17
M.Sc. in Applied Nutrition, Session 2020 - 2022	15
Diploma in Dietetics, Session 2020 - 2021	05
Diploma in Health Promotion and Education, Session 2020 - 2021	22
Master in Veterinary Public Health, Session 2020-22	05
Master in Veterinary Public Health, Session 2021-23	11
Diploma in Health Statistics, Session 2020 - 2021	02
<b>Total</b>	<b>126</b>

\*Admission to MD (CM) and MPH (Epidemiology) is Pending.