



सत्यमेव जयते  
Government of India

# ANNUAL REPORT 2018



**All India Institute of Hygiene & Public Health, Kolkata**

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स्वास्थ्य एवं परिवार कल्याण मंत्री  
भारत सरकार  
Minister of Health & Family Welfare  
Government of India

## Message



I am very pleased to learn that All India Institute of Hygiene and Public Health, Kolkata is celebrating its 87th foundation day on 11th January, 2019 by marking the event with a theme "**One Health for Emerging and Re-emerging Diseases**"

All India Institute of Hygiene and Public Health, Kolkata is an apex institution established in 1932. As the first school of Public Health in South East Asia region, it has made notable contributions towards the public health. As the role of public health is directly linked with human life and the fact that many indicators of our development goals are directly linked with public health, the role of the Institute is ever expanding.

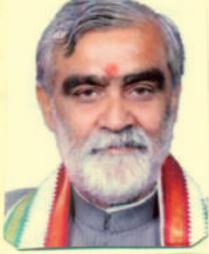
I wish all the success to the Institute and congratulate the faculty, the staff and the students who have contributed significantly to its growth.

(Jagat Prakash Nadda)

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**अश्विनी कुमार चौबे**  
Ashwini Kumar Choubey



सत्यमेव जयते

सर्वेसन्तु निरामया



स्वास्थ्य एवं परिवार कल्याण राज्य मंत्री  
भारत सरकार  
MINISTER OF STATE FOR  
HEALTH & FAMILY WELFARE  
GOVERNMENT OF INDIA

### MESSAGE

It gives me pleasure to know that All India Institute of Hygiene and Public Health, Kolkata is celebrating its 87th Foundation Day on 11th January, 2019 with the theme “One Health for Emerging and Re-emerging Diseases”.

The Institute is known as a premier institute of public health, the first of its kind, not only in India but also in the entire South-East also. Since its inception, the Institute has been contributing to human resource development in the field of public health through multi-disciplinary approach to ensure quality service to the community on public health issues.

The Institute had the vision to include Master in Veterinary Public Health as one of the regular courses in its curriculum long back. The fact that 6 out of every 10 infectious diseases in humans are spread from animals, reinforce the choice made by the Institute. Today, One Health is also focusing on the same fact.

I wish the celebration a great success and thank the faculty, the staff, the students and others associated with the Institute for their hard works and valuable contributions in addressing various issues of public health.

New Delhi  
Dec, 2018.

(Ashwini Kumar Choubey)

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अनुप्रिया पटेल  
Anupriya Patel



I/3203835/2018  
स्वास्थ्य एवं परिवार कल्याण राज्य मंत्री  
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Health & Family Welfare  
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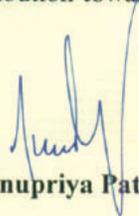
### MESSAGE

It is great to learn that All India Institute of Hygiene & Public Health, Kolkata, established on 30th December, 1932 as one of premier Institute in the field of Public Health is going to celebrate its 87th Foundation Day on 11th January, 2019 and also going to release Annual Report 2018 as part of its celebration. This annual event is supposed to set the tone for the New Year.

It gives me immense satisfaction to note that the Institute, keeping with its tradition, has decided to focus on “**One Health for Emerging and Re-emerging Diseases**”. I hope that this will facilitate ‘One Health’ in action.

I hope that All India Institute of Hygiene & Public Health, Kolkata will continue to play its role in capacity building in the field of public health to the satisfaction of one and all.

On this occasion, I wish all success to the Institute and applaud the faculty, staff members and students for their valuable contribution towards the public health.

  
(Anupriya Patel)

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प्रीति सूदन  
सचिव

PREETI SUDAN  
Secretary



भारत सरकार  
स्वास्थ्य एवं परिवार कल्याण विभाग  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय  
Government of India  
Department of Health and Family Welfare  
Ministry of Health & Family Welfare

Dated 7<sup>th</sup> January, 2019

## Message

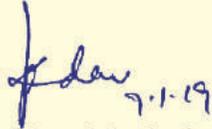


It gives me immense pleasure to learn that All India Institute of Hygiene & Public Health, Kolkata, a premier Institute in the field of public health, is going to celebrate its 87<sup>th</sup> Foundation Day on 11<sup>th</sup> January, 2019 and release the Annual Report of the Institute for the year 2018.

I am also happy to know that the Institute has selected "**One Health for Emerging and Re-Emerging Diseases**" as the theme of the scientific session of the Foundation Day of the Institute. This is befitting to the role of the AIH&PH, Kolkata, which has been playing a pivotal role in imparting teaching, training and research in public health in India through a multidisciplinary approach. I am confident that the deliberation will benefit one and all.

I hope the Institute will continue to be the leader and pursue excellence in human resource development and innovations in the field of public health.

On this occasion, I convey my best wishes to the faculty, the staff and the students of the Institute and convey my best wishes for a grand success of the function.

  
(Preeti Sudan)

# THE WEST BENGAL UNIVERSITY OF HEALTH SCIENCES



**Prof. (Dr.) Rajendra Pandey**  
Vice-Chancellor

*Memo No. Message/PA-VC/WBUHS/2018-2019/134*

*Date : 13/12/2018*



## Message

I am very pleased to learn that All India Institute of Hygiene and Public Health, Kolkata is celebrating its 87<sup>th</sup> Foundation Day on 11<sup>th</sup> January, 2019 and marking the same with the theme "One Health for emerging and Re-emerging diseases" which is highly relevant.

I am happy to note that the All India Institute of Hygiene and Public Health, Kolkata which is an apex institution established in 1932 to promote public health, has over the years made notable contributions towards public health. As the role of public health is directly linked with human life and the fact that many indicators of our development goals are directly linked with public health, the role of the institute is ever expanding and most relevant.

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

**Prof. (Dr.) Rajendra Pandey**  
Vice Chancellor

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दिनांक/Dated. Dec. 26, 2018.

### MESSAGE

I am very pleased to know that the All India Institute of Hygiene & Public Health, Kolkata is celebrating its 87<sup>th</sup> Foundation Day on 11<sup>th</sup> January, 2019. During the celebration, apart from presentation of the Annual Report 2018, there will be a scientific session on the theme, "One Health emerging and Re-emerging Diseases". This deliberation is not only timely and relevant, but also in tune with the multidisciplinary approach followed by the Institute.

I hope that this esteemed Institute will continue its service towards capacity building in public health manpower and render services in the field of public health in the years to come.

On this occasion, I wish all success to the Institute and congratulate the faculty, staff members and students for their contribution towards the Institute.

  
(Dr. B.D. Athani)

## From the Director's Desk



All India Institute of Hygiene & Public Health, Kolkata is celebrating its 87<sup>th</sup> Foundation Day on 11<sup>th</sup> January, 2019 with the theme, “One Health for Emerging and Re-Emerging Diseases”. For me, this Foundation Day Celebration is special because it covers my first year as Director of the Institute. The command of the Institute was passed on to me on 15<sup>th</sup> November, 2017 with a lot of responsibilities and I have made sincere efforts to resolve many issues with the proactive and willing support of the faculty, the senior officers, the staff and the students of the Institute.

The multidisciplinary approach followed by the Institute is a pre-requisite for the “One Health” being advocated globally under the banner of WHO. I am sure that the deliberations during the “Scientific Session” of the Foundation Day will enable us to carve out the road map for our next endeavor.

One year is a very short time for an Institution like the All India Institute of Hygiene and Public Health, Kolkata. However, during the period, we have made significant achievements, which include the approval of MOH&FW for the introduction of three M.Sc. Courses, namely, M.Sc. in Public Health (Occupational Health), M.Sc. in Public Health (Health Promotion) and M.Sc. in Public Health (Maternal and Child Health) from the session 2019-2021 and introduction of 24X7 Services at our PHCs and the adoption of Rooftop Solar Project.

The dawn of a New Year is an occasion to make some resolutions for the year. My resolution for the year, on behalf of the Institute, is to create a Healthy Working Environment to facilitate better working in different disciplines and the convergence of multiple disciplines to set new milestones.

The Institute performance is the sum total of the contributions made by the faculty, other senior officers, the staff, the students and the communities in our contact. I take this opportunity to thank all of them for their contributions.

*Utpal Kumar Chattopadhyay*

(Dr. U. K. Chattopadhyay)

*'One Health' is an approach to designing and implementing programmes, policies, legislation and research in which multiple sectors communicate and work together to achieve better public health outcomes.*

*- WHO*

## 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 AIH&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 deputed 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*

Budget at a Glance (Rs. in Crore)			
Classification	FY	Classification	FY
	2017-18		2018-19
AIIH&PH (Genl. Comp)	37.04	AIIH&PH (Gen. Comp)	37.74
CCTC, Singur	26.58	CCTC, Singur	28.17
Capital Outlay	03.00	Capital Outlay	02.22
Total	66.62	Total	68.13

## Manpower

Cadre-Wise / Category-Wise Human Resources of AIHH&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	18	5
3.	CHS (Non-Teaching Specialists)	1	0	1
4.	CHS (Public Health Specialists)	7	6 (1 is posted at ROHFW, Guwahati)	1
5.	CHS (General Duty Medical Officers)	30	23 (1 PHS is posted in place of GDMO)	7
6.	Teaching (Non-Medical)	20	1 (on Deputation)	19
7.	ISS	3	1	2
	<b>Total (Group – A)</b>	<b>85</b>	<b>50</b>	<b>35</b>
<b>Group – B</b>				
8.	Gazetted	14	6	8
9.	Non-Gazetted	18	3	15
	<b>Total (Group – B)</b>	<b>32</b>	<b>10</b>	<b>23</b>
<b>Group – C</b>				
10.	MTS	221	147	74
11.	Canteen Staff	8	6	2
12.	Other Group - C	327	214	113
	<b>Total (Group – C)</b>	<b>556</b>	<b>367</b>	<b>189</b>
	<b>Grand Total</b>	<b>673</b>	<b>427</b>	<b>247</b>

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

\*\* As on 30.11.2018

## 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

### *New Courses / Departments*

- To open a Veterinary Public Health Department (VPH) for smooth running of two year degree course (MVPH) under Calcutta University.
- To start three MSc courses in the field of Occupational health, Maternal & Child Health & Health Promotion & Education.
- To open three more P.G. courses namely M.Sc in Medical Entomology, M.Sc in Medical Microbiology & M.Sc in Public Health Nursing.
- To open a Dental clinic with special emphasis on community based dental issues at UHC&TC, Chetla & RHU&TC, Singur.
- To open a Psychiatry Clinic with special reference to the Psychiatric problems among slum people in UHU&TC, Chetla.

### *Aadhaar Enabled Biometric Attendance System (AEBAS)*

- Aadhaar based biometric attendance system for all the officials in AIIH&PH, Kolkata to monitor attendance.

### *Grid Connected Rooftop Solar power projects*

- Roof Top Solar Project on Final Stage at main campus, hostels, BN Campus & UHU&TC, Chetla.

### *UJALA scheme a way to light*

- Under UJALA scheme provision of LED light to most of the units of AIIH&PH, Kolkata.

### *Accessible India Campaign*

- Provision of Toilet for disabled person under Accessible India Plan, Govt. of India is under process for all units of AIIH&PH, Kolkata.

### *Conducting skill based specialised short course/training programmes.*

- In order to strengthen the Public health System, the Institute has conceived the following skill-based Training Programmes to be conducted regularly.
  - ❖ Diabetes Educator : Duration - 3 months
  - ❖ Dietetic Assistant ; Duration - 5 months
  - ❖ General Duty Assistant; Duration - 5 months +
  - ❖ Home Health Aide; Duration - 4 months
  - ❖ Sanitary Inspector; Duration - 9 months.

### *E-Initiatives*

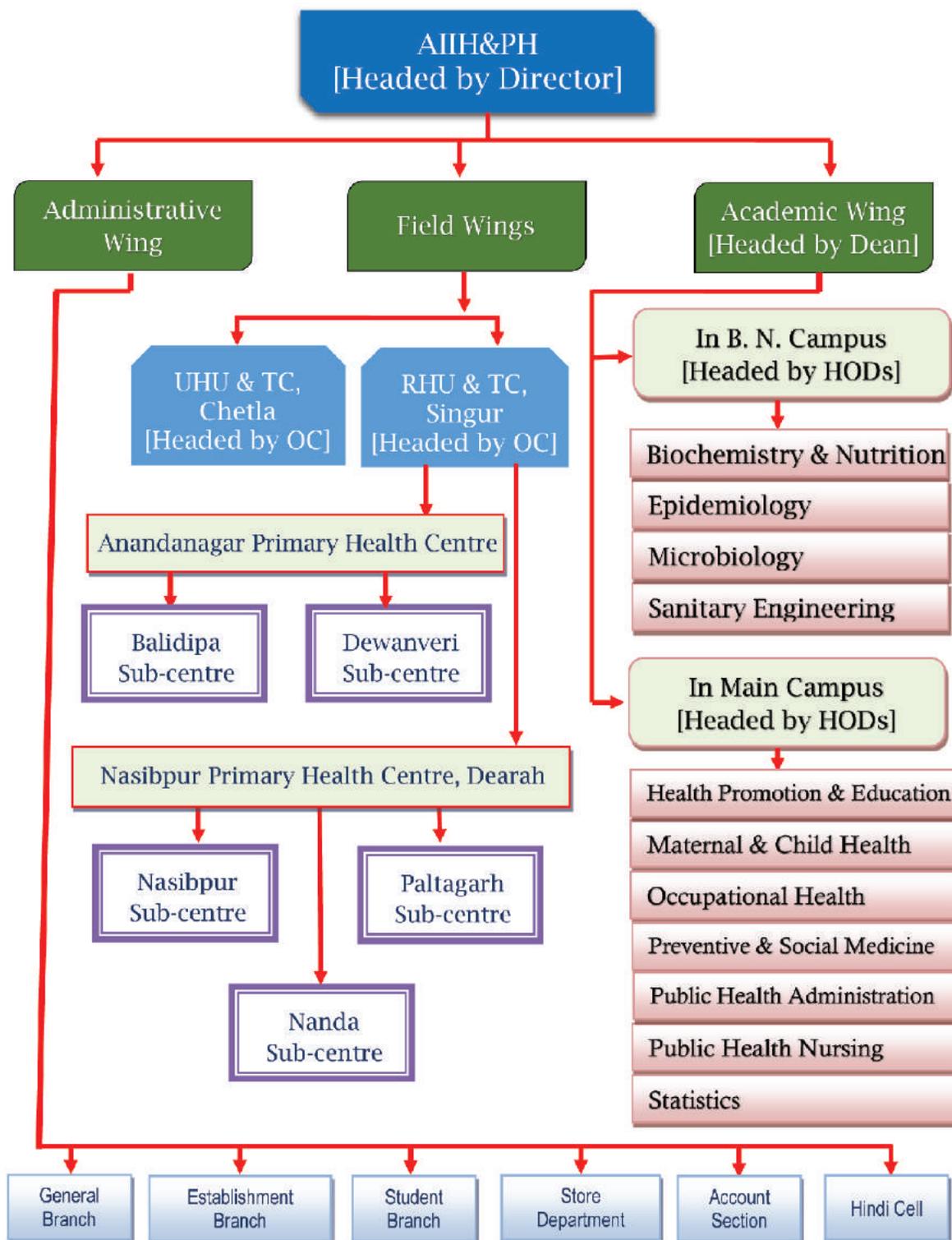
- A Proposal for the introduction of e-office in AIHH&PH, Kolkata has been approved and the implementation is under process.
- In order to digitize the public health services at RHU&TC, Singur, a special drive to digitize the family records of all the 64 villages under the RHU&TC, Singur, initiated earlier, has been completed to facilitate better service/monitoring.
- Inclusion of new MCH Tracking system at UHU&TC, Chetla: The registration of antenatal women is being tracked through a software to provide antenatal check-up and the timely follow-up to address the high risk pregnancies.
- Aadhaar based biometric attendance system for the faculty, under the MCI scheme of Digital Mission Mode Project (DMMP) has been put in place in AIHH&PH, Kolkata, to track attendance and eliminate “Ghost” faculty members by the MCI.
- UHU&TC, Chetla has adopted the system of reporting under Health Management Information System (HMIS).

### *Special Achievements*

- Dr. N.N. Naskar, Director - Professor & Head PHA department had presented paper in National Conference IAPSMCON 2018 in Pune and the paper selected the best paper in particular hall.
- Dr. N.N. Naskar, Director - Professor & Head PHA department was invited as a theme speaker in Green Tech National Occupational Health & Safety Conference in Guwahati in November 2018 and was highly appreciated by the organiser and the participants.
- Prof. Shibani Datta, Professor of PHA department has been selected as the editor of International Journal of Infectious Diseases : Prevention and Control . USA
- The Book authored by Prof. Shibani Datta, Diabetic Research: Some facts and figures is published by the scholars press in Germany in .July 2018.
- “**Behind The Wheel With Pain In The Back: A Qualitative Study Among Urban Taxi Drivers In Kolkata, India**” By Dr. Mousumi Datta, Dr. Gautam Das, Dr. Debashis Dutt, Dr. Arijit Sen Received **Best Poster Presentation** in the International Conference On Recent Advances In Pain ICRA Pain-2018 held In Jammu, India On 28<sup>th</sup>-30<sup>th</sup> September, 2018.
- Dr. Arindam Banerjee MPH Epidemiology resident Received **quiz prize** in World Zoonoses Day quiz arranged by Department Of Microbiology.
- Dr. Shobhit Garg, Dr. Tania Pan, Dr. Munu Mohanta residents of PSM were the 2nd Runner Up team at National level Quiz IAPSMCON 2018.
- Dr Shobhit Garg resident of PSM was awarded P.C.Sen Best Paper Award on ‘Rural Health Practice’ at IPHACON 2018.
- Dr. Swanya Prabha Maharana resident of PSM was awarded SD Gaur Best Paper Award on ‘Environmental Health Practice’ at IPHACON 2018

- Dr. Tania Pan resident of PSM was awarded 2<sup>nd</sup> Prize for poster presentation in Professor Ranadeb Biswas Memorial Poster Competition in State Conference of IAPSMCON (4-5 May 2018)
- Dr. Nivedita Roy Chowdhury resident of PSM was awarded 3<sup>rd</sup> Prize for poster presentation in Professor Ranadeb Biswas Memorial Poster Competition in State Conference of IAPSMCON (4-5 May 2018).
- The team of Dr. Tania Pan and Dr. Soumit Roy was awarded 1<sup>st</sup> Prize at State level PG Quiz Competition held at State Conference of IAPSMCON (4-5 May 2018).
- Dr. Arindam Banerjee MPH Epidemiology resident Received **quiz prize** in World Zoonoses Day quiz arranged by Department Of Microbiology.
- Dr.Sayan Bhattacharyya, Assistant Professor of Microbiology, got 2<sup>nd</sup> Prize in oral Paper in Society of Tropical Medicine Infectious Diseases in India on 22<sup>nd</sup> July 2018 in Paper title “Use of a new method for studying Pathogenic Bacteria in Drinking water and its correlation with Ph of the water” at Gateway Hotel, Kolkata..
- Department of Health Education Trained 46 Front Line Health Workers to become Health Promotion and Education Specialists.
- Dr.Atul Raj, Associate Professor & Head Department of Microbiology was invited as a Judge in Poster session in 27<sup>th</sup> International Conference of Virology (INTER-VIROCON 2018) under the aegis of Indian Virological Society (IVS) on the theme: Global Viral Epidemics: A Challenging Threat from 12<sup>th</sup>-14<sup>th</sup>, November 2018 in PGIMER, Chandigarh.

## 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. U.K. Chattopadhyay		Director	MBBS, MD, Ph.D., MNAMS, FIMSA, FIC(Path).	Head of the Institute
2.	Dr. P.K.Pachori		Additional Director	MBBS,	Head, Administrative Wings of the Institute
3.	Dr. S.B.Chaudhury		Additional Director	M.B.B.S DCH	Head, Administrative Wings of the Institute (E & G)
4.	Shri A. K. Verma		Consultant	M.Sc. in Statistics	Advisor to Director, Planning and IT Support
5.	Dr. Asim Sarkar		CMO (NFSG) and Asst. Prof. (Eq)	M.B.B.S., MS (O&G)	I/C, Store and Asst. Prof. (Eq), Dept. of MCH
6.	Dr. Sourav Chattopadhaya		SMO, DDO	MBBS, DCH	DDO, AIIH&PH (Main Campus) & Clinical Services.

7.	Dr. Sanjoy Bhattacharya		Medical Officer	MBBS	CPIO, Legal Cell & Clinical Services.
8.	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.

- **Additional Assignment of the Director**

- Shri Ashwini Kr. Choubey, MoS, MOH&FW visited the Institute on 4.6.2018. Directors of Serology, PHO, APHO, CDL, GMSD were also present. The Director deliberated in short about the history and chronological events of the Institute.
- The Director made critical Appraisal of the CME on “Scientific Publication” in 2<sup>nd</sup> week of July, 2018.
- He became the Paper setter and Examiner of MVPH (CU) and other examinations also.
- The Director met the DGHS and Mr. S.M. Routray, DDG regarding allotment of MCI seats to our Institute.
- On Director’s persuasion establishment of Departmental Library of Epidemiology Deptt. for recognition of MPH(Epid) course by MCI was set up.
- He had attended and presented information in the Review meetings at the DGHS, Nirman Bhawan, 3 times in 2018.
- CME on “Capacity Building of members of Editorial Board” of IJPH was held on 20.7.2018. The Director mentioned regarding upliftment of the Journal, Indian Journal of Public Health (IJPH) of our Institute.
- “World Hepatitis Day” and “ORS Day” were celebrated on 2.8.2018 at UHU&TC, Chetla. Certain important comments were mentioned by the Director on these issues.
- All the Units and the Main Campus observed and participated in “Swachhata Pakwardha” from 15.9.2018 to 2.10.2018 under the direction of the Director.
- Solar Energy system has been installed by NTPC by constant initiatives of the Director.
- Regular surprise visits to the peripheral units of AIHPH, Kolkata were done by the Director.

- Initiative and persuasion for starting 3 M.Sc. courses in Public Health had been augmented by the Director.
- Action for reorganisation of MPH (Epidemiology) course by MCI is being actively followed by him.
- He had delivered a lecture on “CME programme on Immunology” on 1.5.2018.
- In the awareness programme on “Hand Hygiene” the Director delivered the inaugural address on 7.5.2018.
- “National Dengue day” was celebrated on 17.5.2018 and the Director expressed his idea regarding importance of Dengue in humans and its sequelae of the infection in certain cases and what needs to be done.
- “Zoonosis day” was celebrated on 5.8.2018 in the B.N. Campus, Salt. Lake. The Director made the attendees clear the meaning of Zoonoses and number of Zoonotic diseases. He had also highlighted that most of the emerging diseases are zoonotic in origin.
- “Antibiotic Awareness” was observed on 14.11.2018 in the B.N. Campus, Salt Lake. The Director mentioned that over and improper use of different antibiotics has created a situation that many of the antibiotics have already developed resistance. He also highlighted that days are not far when the diagnosis can be made by newly developed techniques within a short time but antibiotics will not be available to treat. Research on the alternative of the antibiotics, is one of main & priority issues of the day – He added.
- Culture and sensitivity facility had started at UHU&TC, Chetla from August, 2018 by the initiative and personal visits of the Director.
- Different bacteriological tests including “Water testing for bacteriological analysis” and “Culture & Sensitivity” of different samples had been extended to the MD, MPH students by the directive of the Director.
- One important CME cum Workshop cum Slide seminar on “Trends in Parasitological Diseases in India” was held recently under the aegis of “Indian Association of Tropical Parasitology (WB).” The Director was “Organizing Chairperson” in that programme. Eminent Scientists from different parts of India e.g., JIPMER, SGPGI, PGI, Tirupati participated in that CME. They had delivered their speech in the relevant field of work. The CME was attended by 350 P.G. Students and big shots of Microbiology like HODs of different Medical Colleges who highlighted the importance of the programme.

## 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.

### *Administrative setup*



Dr. Amalendu Roy  
MBBS  
Additional Director & In-charge  
E-mail: amalendu.roy1958@gmail.com  
aaihphbnc@gmail.com  
Mobile No.: 9051096053

**Area of Expertise:** Clinical Medicine, Administration.

### *Other administrative staff*

Sl. No.	Cadre /Category	Number
1	Head Clerk	1
2	UDC	4
3	LDC	3

Sl. No.	Cadre /Category	Number
4	Drivers	2
5	MTS	7
6	MTS (Safaiwala)	6

## *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 AIH&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 foods for the employees, students & guests.

- **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.

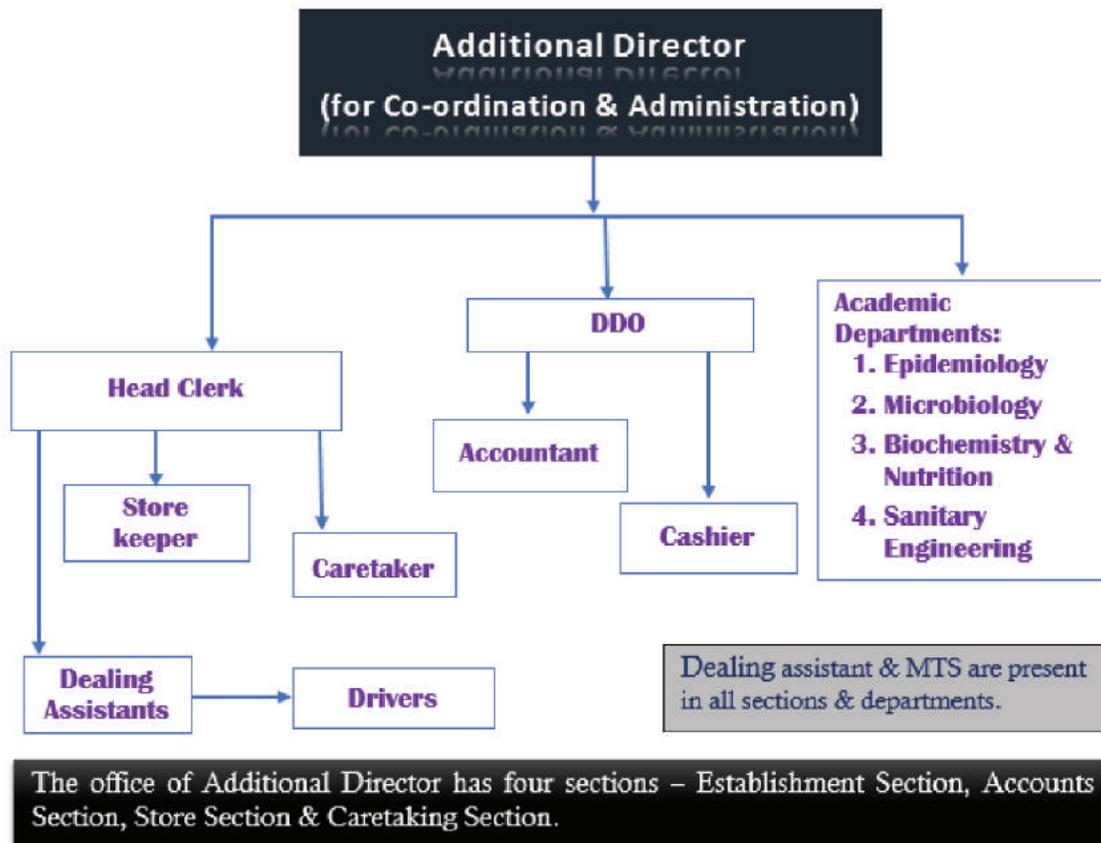
### *New achievement for the infrastructure*

- As per Access India campaign of Govt of India to make public places easily accessible for Divyangs, the floor and stairs of the main building of this campus has been installed with specially designed tiles.
- Process for installation of solar panel has been initiated and at present is at the advance stage of installation in the buildings of this campus.
- Process has been initiated for installation of Local Area Network (LAN) connection with server for provision of connection to all the rooms in this campus.
- Removal of sludge, cleaning and disinfection from the underground and overhead water tank
- Roof treatment of the Main Academic and Administrative building by CPWD (Civil) is in process and will be completed before end of this calendar year.

### *Membership of Committee*

- **Participation of Dr. Amalendu Roy, Additional Director in different committee:**
  - Chairperson, Recruitment Rule Committee
  - Chairperson, Bio Medical Waste Management Committee
  - Chairman, Committee for Utilization of AIHPH quarters
  - Chairman, Cadre review Sub Committee
  - Chairman of different fact finding committees
  - Chairman, High Power Committee for recruitment of PWD (Divyang) personnel
  - Member, Faculty Council
  - Member, Office Council
  - Member, MACP Committee

## Organizational Chart



## Some Important Photographs



**Main Building, Bidhan Nagar Campus**



**Photography of Special Swachhta Drive “Swachhta Hi Sewa” celebrated during 20.09.2018 to 01.10.2018 at Bidhan Nagar Campus**





**“Swachhta Hi Sewa” Abhiyan**



**Pledge Taking on Vigilance Day**

## 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, Director of the Institute is the Chairman of the Council and Dr. Madhumita Dobe, Director-Professor, Dean and HOD (HPE) 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 (AIHPPHKS). 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. Madhumita Dobe, Director-Professor, & HOD, HPE      | Chairman         |
| 2. Dr. Debashis Dutt, HOD, Epidemiology                    | Member Secretary |
| 3. Dr. Aparajita Dasgupta, Director Professor. PSM         | Member           |
| 4. Dr. R.N. Sinha, Professor, MCH                          | Member           |
| 5. Dr. S.C. Mondal, Officer-in-charge, RHU&TC, Singur      | Member           |
| 6. Dr. O. Chattopadhyay, Officer-in-charge, UHU&TC, Chetla | Member           |
| 7. Dr. C.S. Taklikar, Assoc. Prof., HPE                    | Member           |
| 8. Dr. Bobby Paul, Assoc. Professor, HOD, PSM              | Member           |
| 9. Dr. Atul Raj, Assoc. Professor, HOD, Microbiology       | Member           |
| 10. Mrs. Uma Chatterjee, Sister Tutor                      | Member           |

### *Medical & Public Health Education Unit*

- |    |  |                  |
|----|--|------------------|
| 1. | Dr. A. Vajpayee, Director-Prof. and HOD, Occupational Health | Chairman         |
| 2. | Dr. N.N. Naskar, Director-Prof. and HOD, PHA                 | Member Secretary |
| 3. | Dr. Papia Das, Public Health Specialist, UHU&TC, Chtela      | Member           |
| 4. | Dr. Dipankar Dasgupta, CMO, Deptt. of Sanitary Engg.         | Member           |
| 5. | Dr. R.N. Panigrahi Public Health Specialist, RHU&TC, Singur  | Member           |

### *Scientific Advisory Committee*

1.	Dr. A.K. Vajpayee, Director-Prof. and HOD, Occupational Health	Chairman
2.	Prof. D. Dutt, Director-Professor and HOD, Epidemiology	Member Secretary
3.	Dr. A. Dasgupta, Director-Professor, PSM	Member
4.	Prof. A.K. Mallick, Dir-Prof., HOD, MCH	Member
5.	Prof. R.N. Sinha, Dir-Prof., MCH	Member
6.	Prof. Subrata Roy, Biological Anthropology Unit, ISI, Kolkata	Member
7.	Dr.A.K. Chakraborty, Senior Faculty, Statistical Quality Control & Operation Research Division, Indian Statistical Institute, Kolkata	Member
8.	Dr. C.S. Taklikar, Assoc. Prof., Dept. of HPE	Member

### *Library Committee*

- |    |  |                    |
|----|--|--------------------|
| 1. | Dr. A.K. Vajpayee, Director-Prof. and HOD, Occupational Health | Chairman           |
| 2. | Dr. N.N. Naskar, Director-Professor & HOD, PHA                 | Member             |
| 3. | Dr M. Bhattacharyya, SMO & Associate Professor (Eq.), MCH      | Member & In-charge |
| 4. | Sh. S. Baskey, Librarian                                       | Member             |
| 5. | Sh. A. Chaturvedy, Librarian                                   | Member             |

### *Anti-Ragging Committee*

- |    |  |          |
|----|--|----------|
| 1. | Dr. A. Roy, Additional Director, B.N. Campus           | Chairman |
| 2. | Dr. A. Dasgupta, Director-Professor, PSM               | Member   |
| 3. | Dr. N.N. Naskar, Director-Professor and HOD, PHA       | Member   |
| 4. | Mrs. Rehana Khatun, Councillor, Ward No.44, KMC        | Member   |
| 5. | Sh. Sujay Sultan, Sub-Inspector, Jorasanko PS, Kolkata | Member   |

- |    |   |        |
|----|---|--------|
| 6. | Dr. Ketaki Das, P. H. Relations Officer, WBVHA, Kolkata | Member |
| 7. | Sh. Subhrajit Sarkar, SSO, Deptt. of Statistics         | Member |
| 8. | Dr. Amit Banik, Asstt. Professor, Microbiology          | Member |

### *Biomedical Waste Management and Handling Committee*

- |    |   |   |
|----|---|---|
| 1. | Dr. Amalendu Roy, Additional Director           | Chairman & Programme implementation Officer |
| 2. | Dr. Atul Raj, HOD, Microbiology                 | Nodal Officer                               |
| 3. | Officer-in-Charge, RHU&TC, Singur               | Member                                      |
| 4. | Officer-in-Charge, UHU&TC, Chetla               | Member                                      |
| 5. | Dr. R.R. Pati, Dir-Prof., HOD, Bio. & Nutrition | 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, HOD, PSM, AIIHPH, Kolkata.   | Member           |
| 8.  | Dr. Sayan Bhattacharyya, Asstt. 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, HOD, Microbiology     | Chairman          |
| 2. | Dr. Sayan Bhattacharyya, Asst. Prof | Member Secretary  |
| 3. | Dr. Kuladip Jana, CPCSEA member     | Member (Outsider) |
| 4. | Dr. Amit Banik, Asst. Prof          | Member            |
| 5. | Dr. Rohit Raj, Veterinary- Surgeon  | Member (Outsider) |

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

- |    |   |                   |
|----|---|-------------------|
| 1. | Dr. Shibani Dutta, Professor, PHA                   | Presiding Officer |
| 2. | Dr. Madhumita Bhattacharya, Senior Medical Officer  | Member Secretary  |
| 3. | Dr. Shampa Mukherjee (Kundu), SSO, Deptt. of Stat.  | Member            |
| 4. | Smt. Indrani Sinha, Founder Director, SANLAAP India | Outside Member    |

### *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. Md. Kalimuddin, Technician | Chairman         |
| 2. Sh. Martin Hembram, UDC    | Member Secretary |
| 3. Md. Asfaq Ali, LDC         | Member           |
| 4. Sk. Nausad, MTS            | Member           |
| 5. Md. Nizam, MTS             | 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, Asstt. 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. R. R. Pati     | Member           |
| 4. 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. Papia Das             | Member                           |
| 5. Dr. Sanjay Kr. Sandhukhan | Member                           |

### *Swachh Bharat Mission Committee*

- |                                 |             |
|---------------------------------|-------------|
| 1. Dr. Amitabha Dan             | Chairperson |
| 2. Dr. Amit Banik, Asstt. Prof. | Member      |

- |  |        |
|--|--------|
| 3. Dr. Nandini Bhattacharyya, SMO      | Member |
| 4. Dr. Papia Das, PH. Specialist       | Member |
| 5. Dr. R.N. Panigrahi, P.H. Specialist | Member |
| 6. Shri Biswanath Mondal, Supdt.       | Member |

### *Indian Journal of Hygiene and Public Health*

#### **Editorial Board**

Chief Editor:	Dr. R.N. Sinha
Editor:	Dr. Onkarnath Chattopadhyay
Joint Managing Editor:	Dr. Dipak Pal Dr. Sanjoy Kumar Sadhukhan
Asst. Managing Editor:	Dr. Bobby Paul

#### **Members**

Dr. Samir Dasgupta	Mrs. Uma Chatterjee
Dr. Debashis Dutt	Dr. Lina Banerjee
Dr. Nirmal Kumar Mandal	Smt. Sharmila Sanyal
Dr. Rama RanjanPati	Dr. Shibani Dutta
Dr. C.S. Taklikar	Dr. Atul Raj

#### **Advisory Board**

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 Dr. P.K. Sen, Director, NBVDCP  
 Prof. Jayanta Kumar Das, Director, NIHFV, New Delhi  
 Dr. Shanta Dutta, Director, NICED, Kolkata  
 Prof. S.K. Guha, Director, STM, Kolkata  
 Prof. A.K. Verma, Consultant, AIIH&PH, Kolkata.

### *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, Epidemiology.

### *Vigilance Officer*

Dr. D. Pal, Director Professor, Epidemiology.

### *Departmental Canteen Committee*

- |    |                               |                  |
|----|-------------------------------|------------------|
| 1. | Dr. Asim Sarkar, CMO (NFSG)   | Chairman         |
| 2. | Dr. Nandini Bhattacharya, SMO | Member Secretary |
| 3. | Dr. Shamita Mondal, SMO       | Member           |
| 4. | Dr. Sourav Chattopadhyay, SMO | Member           |
| 5. | Sh. P.K. Barman, UDC          | Member           |
| 6. | Sh. Ratty Jacob, LDC          | Member           |
| 7. | Sh. Swapan Acharjee, MTS      | Member           |
| 8. | Sh. Sanjib Debnath, MTS       | Member           |

### *Hostel Committee*

#### **Main Campus**

- |    |                                |                  |
|----|--------------------------------|------------------|
| 1. | Dr. P.K. Pachori, 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. Amalendu Roy, AD                    | Chairman         |
| 2. | Smt. Amrita Bandyopadhyay, Demonstrator | Member Secretary |
| 3. | Dr. Amit Banik, Assistant Professor     | Member           |

#### **RHU & TC, Singur**

- |    |                       |                  |
|----|-----------------------|------------------|
| 1. | Dr. Subhas Mandal, AD | Chairman         |
| 2. | Dr. S. Kalsa, CMO     | Member Secretary |
| 3. | Dr. Sanjib Das, SMO   | Member           |

### *24 X 7 Monitoring Committee*

At RHU & TC

- |    |                       |                                  |
|----|-----------------------|----------------------------------|
| 1. | Dr. Subhas Mandal, AD | Chairman                         |
| 2. | Dr. S. Kalsa, CMO     | Member Secretary & Nodal Officer |
| 3. | Sh. A.N. Biswas       | Member                           |

### *Grievance Officer*

Shri Anupam Deb Barman, SSO

### *TEC Committee*

- |    |                                      |                  |
|----|--------------------------------------|------------------|
| 1. | Dr. A.K. Mallick, Dir-Prof.& HOD MCH | Chairman         |
| 2. | Dr. Asim Sarkar, CMO (NFSG)          | Member Secretary |
| 3. | Dr. Amitabha Dan, PH Specialist      | Member           |
| 4. | Dr. Sayan Bhattacharya, Asst. Prof.  | Member           |
| 5. | Sh. M.N. Viswarkarman, Hindi Officer | Member           |
| 6. | Sh. A.K. Verma, Consultant           | Member           |

### *Condemnation Committee*

- |    |                               |                  |
|----|-------------------------------|------------------|
| 1. | Dr. S.B. Chowdhuri, AD        | Chairman         |
| 2. | Dr. Asim Sarkar, CMO (NFSG)   | Member Secretary |
| 3. | Dr. Nandini Bhattacharya, SMO | Member           |
| 4. | Dr. Deepa Shaw, SMO           | Member           |
| 5. | Dr. Snigdha Basu              | Member           |

## हिन्दी अनुभाग



मनीन्द्र नाथ विश्वकर्मा (एम ए - हिन्दी,  
समाजशास्त्र)  
सहायक निदेशक (राजभाषा)  
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### हिन्दी कक्ष

- (क) 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 एवम 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।
- (ख) 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। कनिष्ठ हिन्दी अनुवादक के रिक्त पद को भरने की समस्त औपचारिकाये पूरी कर ली गई हैं। अन्य 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।
- (ग) संस्थान के अधिकारियों एवम कर्मचारियों की हिन्दी में काम करने की झिझक को दूर करने हेतु इस वर्ष दिनांक 08/08/18 से 10/08/18 तक हिन्दी कार्यशाला का आयोजन किया गया था जिसमें करीब 15 कर्मचारियों ने अंश ग्रहण किया था।

(घ)हिन्दी कक्ष से जन स्वास्थ्य नामक वार्षिक पत्रिका प्रकाशित की जाती है । 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 28/10/2018 को किया गया । आयुध निर्माण बोर्ड के सहायक निदेशक श्री संजय त्रिपाठी मुख्य अतिथि के रूप में आमंत्रित थे । कार्यक्रम की अध्यक्षता संस्थान के निदेशक डॉ यू के चट्टोपाध्याय ने किया । हिन्दी पखवाड़ा के दौरान टिप्पणी एवं प्रारूपण, निबंध प्रतियोगिता, सुलेख व श्रुति लेखन, साधारण ज्ञान प्रतियोगिता, कविता पाठ, सम्भाषन एवं कथा वाचन आदि प्रतियोगिताएं आयोजित की गईं । प्रतियोगिताएं हिन्दी भाषी एवं हिन्दीतर दोनों के लिए आयोजित की गई थीं। विजेताओं को मुख्य अतिथि के कर-कमलों द्वारा पुरस्कृत किया गया । हिन्दीतर प्रतियोगियों में सर्वश्रेष्ठ प्रदर्शन श्रीमती छाया चंद क रहा जिन्होंने कुल छह पुरस्कार जीते । दूसरा स्थान श्री चिरंजीत मुखोपाध्याय एवं श्रीमती मिताली मुखर्जी का रहा जिन्होंने कुल पांच-पांच पुरस्कार जीते, तीसरा स्थान श्री तापस सरकार का रहा जिन्होंने कुल चार पुरस्कार जीते । श्रीमती मौसुमी मण्डल एवं श्री अरुण कुमार दास ने तीन-तीन पुरस्कार जीते । जबकि के गांगुली और प्रलय कुमार गांगुली ने दो-दो पुरस्कार जीते । हिन्दी भाषी प्रतियोगियों में श्री अभिषेक चतुर्वेदी प्रथम स्थान पर रहें । द्वितीय स्थान पर श्री राजकुमार रहे एवं तृतीय स्थान पर श्री राजकिशोर मल्लिक रहे । अन्य प्रतिभागियों को सांत्वना पुरस्कार प्रदान किया गया ।

(ङ)इस वर्ष दिनांक 10 मार्च 2018 को ज्ञान भवन ऑडिटोरियम, गाँधी मैदान,पटना-800001 में आयोजित की गई पूर्व एवं पूर्वोत्तर क्षेत्रों का संयुक्त राजभाषा सम्मेलन एवं पुरस्कार वितरण समारोह में संस्थान के सहायक निदेशक(राजभाषा), श्री मनीन्द्र नाथ विश्वकर्मा ने अंश ग्रहण किया ।

(च)संस्थान में व्यवहृत होने वाले अधिकांश कंप्यूटरों में यूनिकोड 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*

- **Regular Courses Conducted:**

Name of the Course: M.Sc. in Applied Nutrition

Affiliated University: The West Bengal University of Health Sciences

Coordination Department: Biochemistry and Nutrition

Annual Intake: 20

MCI recognition: No

Admission procedure: Through Common Entrance Examination conducted by The West Bengal University of Health Sciences

Name of the Course: Diploma in Dietetics

Affiliated University: The West Bengal University of Health Sciences

Coordination Department: Biochemistry and Nutrition.

Annual Intake: 31

MCI recognition: No

Admission procedure: Through Common Entrance Examination conducted by the West Bengal University of Health Sciences

- **No. of Students year wise:**

➤ M.Sc. 1st year: 19 (2018-20 batch)

➤ M.Sc. 2nd year: 19 (2017-19 batch)

➤ Diploma Dietetics: 20 (2018-19 batch) admitted.

## Faculty



Dr. Rama Ranjan Pati  
Director Professor & HOD  
M.B.B.S. & MD

E-mail: ranjanpati3101@yahoo.co.in

Mobile No.: 99033 69733

Area of expertise: Nutrition Education, Public Health, Community Nutrition.



Dr. Snigdha Basu  
Senior Medical Officer

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Mobile No.: 94322 00136

Area of expertise: Public Health.



Sh. Basanta Kumar Roy  
Demonstrator,  
M.Sc. (Physiology)

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Area of expertise: Community Nutrition, Nutritional Assessment & Surveys.



Smt. Amrita  
Bandopadhyay  
Demonstrator  
M.Sc.(Physiology)

E-mail: amritabandyo@gmail.com

Mobile No.: 98302 84233

Area of expertise: Dietetics, Clinical Nutrition.

## Other Members

Designation	Number	Activities performed
Laboratory Technician	7	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
MTS	1	Support Service

## Research Work

- **M. Sc. (Applied Nutrition) Dissertation research completed:**
  - Nutritional assessment of 6 – 59 months children of Sahorwa VDC, Hahottari, Nepal -
  - Study on awareness & practices of university faculties regarding the use of nutritional information & food levels.
  - A study on nutritional awareness & nutritional status of ASHA workers in Domjur block of Howrah district.
  - A study to assess nutritional status and physical activity level among auto-rickshaw drivers of age group of 18-55years (male) in Garia, Kolkata.

- KAP study of health hazards associated with consumption of junk food in AIHH & PH students (Department of Biochemistry & Nutrition).
- Nutritional assessment & dietary practices of farmers in a rural village of Singur.
- A KAP study on knowledge & practices of cooking & hygiene among Anganwadi Workers and Helpers of Burdwan Municipality ICDS.
- A study to assess knowledge & practice on menstrual hygiene of Class – IX students of a school in Purba Bardhaman district, West Bengal.
- A study on the modifiable behavioural risk factors associated with the prevalence of obesity on women (20 – 35 years) in Hatipara, Kolkata.
- A study to generate awareness of importance of body mass index as a nutritional status assessment among students of Class - IX & XI of a girls high school in Asansol, West Bengal.
- A study to assess nutritional status, nutritional knowledge & associated factors among adolescent girls of selected orphanages in Kolkata.
- A study on eating disorders & its associated factors among females of selected colleges, Kolkata.
- A study to assess the IQ level among adolescent girls in a urban school of North Kolkata & its association with nutritional status.
- A study on assessment of nutritional status & dietary practices of brick field female workers (19 – 45 years) in rural area of Hooghly.
- A status on nutritional knowledge & practice related to non-communicable disease among loco-pilots of Howrah station.
- A study on nutritional status & status of personal hygiene among the fishermen residing in Barrackpore - I block (Panpur), North 24 Paraganas.
- A study to assess the nutritional status & food habits of mentally retarded children of Manovikas Kendra (EM Bypass, Ruby).
- Prevalence of malnutrition & its association with household food security & other factors among children of age 12 – 59 months in an urban slum of Kolkata.
- A study on infant & young child feeding practices & its relation to nutritional status of children between 6 – 23 months in an urban community in Kolkata.
- A study on knowledge, attitude and practice of food safety among the food handlers in the restaurants under Kalyani area, district – Nadia, state – West Bengal.

### *Conference/Seminars/Workshop Attended*

- Smt. Amrita Bandyopadhyay attended a seminar on depression on 10.03.2018 organized by Society of Nutrition and Dietetics and was a judge for the poster session.
- Dr. R.R. Pati and Smt. Amrita Bandopadhyay attended seminar on therapeutic diet on 19.12.2017 in Haldia Institute of Health Sciences.

### *Membership of Committees*

- **Participation of Dr. Rama Ranjan Pati in different Committees:**
  - Member, Plastic Hazards Committee;
  - Member, Budget Committee;
  - Member, E-journal of AIHH & PH, Kolkata.

- **Participation of Dr Snigdha Basu in different Committees**
  - Member, Condemnation Committee;
  - In-charge, Stores, Bidhan Nagar Campus.
- **Participation of Sh. B.K. Roy in different Committees:**
  - Member, Recruitment Committee;
  - Member Secretary, Local Purchase Committee;
  - Event Officer for arrangements for conferences and Seminar in the Bidhan Nagar campus of AIHH&PH.
- **Participation of Smt. A. Bandyopadhyay in different Committees:**
  - Hostel Warden of Bidhan Nagar campus of AIHH & PH;
  - Member, Canteen Committee.

### *Examiners*

- **Dr. Rama Ranjan Pati, Director-Prof. & HOD acted as**
  - Paper setter and Examiner of M. Sc. (A.N) Part I Examination conducted by WBUHS;
  - Paper setter and Examiner of Diploma Dietetics Examination conducted by WBUHS;
  - Paper setter and Examiner of M. Sc. (A.N) Part II conducted by WBUHS.
- **Sh. Basanta Roy, Demonstrator acted as**
  - Paper setter and Examiner of M. Sc. (A.N) Part I Examination conducted by WBUHS;
  - Paper setter and Examiner of Diploma Dietetics Examination conducted by WBUHS;
  - Paper setter and Examiner of M. Sc. (A.N) Part II conducted by WBUHS.
  - Moderator, Community Nutrition at Rastraguru Surendranath Nath College, Barrackpore.
- **Smt. A. Bandyopadhyay, Demonstrator acted as**
  - Paper setter and Examiner of M. Sc. (A.N) Part I Examination conducted by WBUHS;
  - Paper setter and Examiner of Diploma Dietetics Examination conducted by WBUHS;
  - Paper setter and Examiner of M. Sc. (A.N) Part II conducted by WBUHS.

### *Field Activities/Programme*

- Students of Diploma in Dietetics participated in Field Training Programme with objective to get training regarding assessment of Nutritional Status of Population by Diet Survey, Anthropometry and Clinical Assessment during 05.03.2018 to 16.03.2018 at Singur Field Practice Area.
- Students of M.Sc. (A.N), 2nd year participated in Field Training Programme with objective to get training regarding assessment of Nutritional Status of Population by Diet Survey, Anthropometry and Clinical Assessment from 12.02.2018 to 23.02.2018 at Singur Field Practice Area.
- The Department of Biochemistry & Nutrition conducted a training programme on “Laboratory Monitoring of Iodine Content of Iodized Salt and Urinary Iodine Excretion” for Laboratory Technician and Technical Officer of Tamil Nadu from 23<sup>rd</sup> to 25<sup>th</sup> May, 2018.

*Photograph of Our Activity*



**Students examining the school children at RHU&TC, Singur.**

## 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 in 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 tubewells 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 AIHH&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 is conducting one year PGDPHM course sponsored by the National Health Mission, Govt. of India.
- The department has introduced three years MPH (Epidemiology) course from 2016.

- **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.

- **Short Courses/Trainings Conducted:**

- Department conducted “Workshop on Scientific Writing “ 21to 23Feb , 2018 at Bidhan Nagar Campus, AIHH&PH Kolkata.
- Department conducted Training programme on “Basic Epidemiology and Bio-statistics” on and from 24-28th September, 2018 for Post Graduate Medical , Nursing students and Medical Officers at the AIHH&PH, Bidhan Nagar Campus, Salt Lake. Dr Dipak Pal, Director-Professor, acted as Course Co-ordinator.

### *New Initiatives*

The department has introduced three years MPH (Epidemiology) course from year 2016 permitted by GOI. This year 6 Students have joined for the Course.

### *Collaborations*

- Department is conducting IDSP Training in collaboration with CSU IDSP.
- Department is conducting PGDPHM Course in collaboration with other partner Institutes like PFHI, JIPMER etc.

## Faculty



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

E-mail: dutta29@gmail.com

Mobile No.: 9433193137

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



Dr. G. K. Pandey  
Director Professor  
M.D.  
(superannuated on 31st July 2018)

E-mail: drgkpandey@rediffmail.com

Mobile No.: 9330511592

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



Dr. Sampa Mitra  
Director Professor  
MD (PSM)

E-mail: sampamitra2003@yahoo.co.in

Mobile: 9432266929

Area of Expertise: PSM, Epidemiology, Geriatric & Adolescent Health, HIV/AIDS, Maternal & Child Health, Child Labour.



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.



Dr. Amitabha Dan, Public  
Health Specialist, Grade-I  
M.B.B.S , D.I.H , Master  
in Applied Epidemiology  
Field Epidemiologist

Mobile no: 7044544489

E mail: dan.amitabha@gmail.com

Area of Expertise: Occupational Health, Epidemiology, International Health.



Sh. Suprakas Hazra  
Demonstrator  
M.Sc. (Statistics)

Mobile No.: 9433215913

E-mail: hazrasuprakas@yahoo.com

Area of Expertise: Biostatistics, Research Methods.

## Other Members

Designation	Number	Activities Performed
Stenographer	1	Secretarial Assistant
DEO	1	Data Entry etc.
Lab. Technician	1	Collection of Lab samples in the field
MTS	2	Supportive Service

## Publications

- Soumyadip Chatterji, Sudeshna Mallik, Dipak Pal, Dushyant Lahre, Sayan Chakraborty, Manab Kumar Ghosh, Arindam Naskar, Rajendra Pandey and Bibhuti Saha "A cross-sectional study on renal involvement among HIV-infected patients attending a tertiary

care hospital in Kolkata” Transactions of The Royal Society of Tropical Medicine and Hygiene, Volume 112, Issue 6, 1 June 2018, Pages 294–299.

- Dan A et al. Profile of Indians died abroad: Analysis of secondary data on human remains arrived at point of entry in Mumbai: International journal of community medicine and public health, Vol 5, August 2018.
- Mousumi Datta, Gautam Das, Debashis Dutt, Arijit Sen “Behind The Wheel With Pain In The Back: A Qualitative Study Among Urban Taxi Drivers In Kolkata, India” In proceedings of International Conference On Recent Advances In PainICRA Pain-2018
- Dan A et al. Immunisation coverage evaluation by secondary data analysis at Rural Health Unit and Training Centre, Sigur in Hooghly District of West Bengal. Indian Journal of Hygiene and Public Health, Vol3.Issue 1,2017.
- Utsa Basu, Dipak Pal, Debashis Dutt, G.K. Pandey “Therapeutic Vitamin D improves HbA1c and Clinical Outcome in Frozen Shoulder in Type 2 Diabetes Mellitus”- case report . Indian Journal of Hygiene and Public Health, Vol.3 (1) June, 2017, P.37–43uploaded in the website of Journal<http://www.ijhph.co.in/> in the month of July, 2018.
- Kaushik Adhikari, Debashis Dutt, Sampa Mitra, G.K. Pandey. S Hazra. Behavioral Factors Associated with Diarrhea among Adults over 18 Years of Age in Rural Area of West Bengal: In Proceedings of 62nd Annual National Conference of Indian Public Health Association 2018.
- Utsa Basu, Dipak Pal, Debashis Dutt, Girish Kumar Pandey, S Hazra Hypertension and its Risk Factors among Adults in A Rural Community of West Bengal., In: Proceedings of 62nd Annual National Conference of Indian Public Health Association 2018.
- Mainak Ranjan Baksi, Dipak Pal, Debashis Dutt, G.K. Pandey, Sampa Mitra, Supraka s Hazra. Ocular Morbidity among Children in a School of Kolkata: In Proceedings of 62nd Annual National Conference of Indian Public Health Association 2018
- Shinne Arnebya Marak Malaria Case Load at Urban Health Centre, Kolkata- Database Study (2014-2017). In Proceedings of 62nd Annual National Conference of Indian Public Health Association 2018.

### *Research Work*

- **Dr. Debashis Dutt acted as a guide in thesis work on:**

- Stigma and its Association with Quality of Life among People Living with HIV/AIDS (PLHA) Attending ART Center in a Tertiary Care Institute in Kolkata by: Dr. Kaushik Adhikari. MPH (Epidemiology) PGT, session - 2016-19.
- A study on health related quality of life among rheumatoid arthritis patients attending an outpatient department in a tertiary care hospital, Kolkata by: Dr.Moumita Mandal, MD (Community Medicine) PGT, session - 2017-20.
- Prevalence of chronic pain and its impact on quality of life: a cross-sectional study in a rural population of West Bengal, India. By Dr. Mousumi Datta MPH, (Epidemiology) PGT, session - 2017-20.

- 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.
- 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.
- Household Food Security and its association with nutritional status of children attending Anganwadicentres in an urban slum in Kolkata by: Moulina Das, M.Sc. in Applied Nutrition. Session 2017-19.
- **Dr. G.K. Pandey acted as a guide in thesis work on:**
  - Kitchen hygiene and health hazards in selected locality of Kolkata by Susmita Roy M.Sc. (Applied Nutrition) Session 2016-18.
- **Dr. Sampa Mitra acted as a guide in thesis work on:**
  - Profile of Multi Drug Resistant Tuberculosis patients attending RNTCP in Hugli dist. West Bengal, by Dr B Chakraborty PGDPHM Student 2017-18 batch.
  - "Nutritional status of auto-drivers in the city of Kolkata" by Poulami Basu, M.Sc. (Applied Nutrition) session 2016-18.
- **Dr. Dipak Pal acted as a guide in thesis work on:**
  - An epidemiological study on injuries among children in a slum of Kolkata, West Bengal – Dr Ayon Ghosh, MD (Community Medicine) PGT, Session - 2015-18.
  - An epidemiological study on unintended pregnancy and abortion among currently married women on reproductive age in a rural area of West Bengal – Dr Nivedita Roy Choudhury, MD (Community Medicine) PGT, Session - 2016-19.
  - A cross-sectional study to assess utilisation of maternal and child health care services under RMNCH+A programme in Slums of Kolkata, West Bengal - Dr. Sayanti Bandyopadhyay, MD (Community Medicine) PGT, Session - 2017-20.
  - Prevalence of depression among elderly population & associated factors in a slum, Kolkata, W.B - Dr. Mainak Ranjan Baksi, MPH (Epidemiology) PGT, Session - 2016-19.
  - Stress and its determinants and coping strategy among coal miners of Eastern Coalfields by Dr. Arindam Banerjee, MPH (Epidemiology) PGT, Session - 2017-20.
  - A cross sectional study to assess frailty and quality of life among elderly population residing in rural area of Singur, West Bengal -Dr. Sauryadripta Ghose, MD (Community Medicine) PGT, Session - 2018-21.
  - An epidemiological study on cognitive impairment among elderly population residing in a rural area of Hooghly district of West Bengal - Dr. Arunima Datta, MPH (Epidemiology) PGT, Session - 2018-21.

- **Sh. Suprakas Hazra acted as Co guide in thesis work on:**
  - Study on diabetes mellitus and its' risk factors among adult males of a slum of Kolkata by Dr. Utsa Basu, MPH (Epidemiology) student of 2015-18 batch.
  - Prevalence of depression among elderly population and associated factors in a slum Kolkata by Dr. Mainak Ranjan Bakshi, MPH(Epidemiology) Student of 2015-18 batch.
  - Assessment of nutritional status among farmers in a rural area of Singur, Hooghly by Shilpa Pore, M.Sc. (Applied Nutrition) Student of 2016-18 batch.
  - Assessment of nutritional status among adolescent girls living in orphanages of Kolkata by Kaustavi Roy, M.Sc. (Applied Nutrition) student of 2016-18 batch.
  - Assessment of nutritional status among mentally retarded children in Kolkata by Nidhi Jaiswal, M.Sc. (Applied Nutrition) student of 2016-18 batch.

### *Short Studies completed till date*

- Therapeutic vitamin D improves HbA1c and clinical outcome in frozen shoulder in Type 2 Diabetes Mellitus -Case Report.
- Behavioural factors associated with diarrhoea among adults over 18 years of age in a Rural area of West Bengal
- Tobacco Abuse among School Going Adolescents in A School of North 24 Parganas, West Bengal
- Injuries (Unintentional and violence related) among girls studying in rural School, Singur.
- Hypertension and its risk factors among adults in a rural community of Singur Block, Hooghly District
- Assessment of oral health status, knowledge and practice among students of a secondary school in Kheyadaha, South 24 Parganas , West Bengal
- Assessment of self-care practices among hypertensive patients-a clinic based study in Singur.
- Prevalence of ocular morbidity in school children in Chetla, Kolkata, West Bengal.

### *Participation in Research Studies*

Dr D Dutt ( Dir.-Prof. & Head), participated as an expert in Community Medicine and Medical Education in study of "Strengths, weaknesses, and suggestions for improvement in post-graduate assessment in Community Medicine in India: a Delphi study" conducted by Dr Amol Dongre , Sri ManakulaVinayagar Medical College and Hospital, Pondicherry under the Keele University in the UK. (May – July 2018).

### *Conference/Seminars/Workshop Attended*

- **Dr. D Dutt, Director Professor & Head**
  - Participated in 45th National and joint State Conference of IAPSM & IPHA, held in Kashibai Navale Medical College & General Hospital, Pune from 9th to 11th March 2018.
- **Dr. Sampa Mitra, Director Professor**
  - Dr. Sampa Mitra, Director Professor attended 62nd Annual National Conference of Indian Public Health Association 2018.
- **Dr. Dipak Pal, Director Professor**
  - Attended the 45th Annual National Conference of IAPSM held in Kashibai Navale Medical College & General Hospital, Pune from 9th to 11th March 2018.
- **Sh. S Hazra, Demonstrator**
  - Attended the 45th Annual National Conference of IAPSM held in Kashibai Navale Medical College & General Hospital, Pune from 9th to 11th March 2018.

### *Membership of Committees*

- **Dr. D. Dutt, Dir.-Professor & Head:**
  - Member Academic Council, International. Inst. of Population Studies, Mumbai;
  - Member of Centre of Excellence in HIV Care, School of Tropical Medicine, Kolkata;
  - Member secretary, Scientific Advisory Committee, AIIH&PH, Kolkata;
  - Chairman, Screening Committee, AIIH&PH, Kolkata;
  - Chairman, Committee on appointment on compassionate ground, AIIH&PH, Kolkata;
  - Member, Academic Cell, AIIH&PH, Kolkata;
  - Member Faculty Council, AIIH&PH, Kolkata;
  - Co-opted Member, Purchase Committee, AIIH&PH, Kolkata;
  - Member, Editorial Board of Indian Journal of Hygiene & Public Health, Kolkata;
  - Member, Budget Planning and Monitoring Committee;
  - Member, Board of Studies, Post Graduate Medical Courses, AIIH&PH, Kolkata;
  - Member, DPC for Post of Research Assistant, AIIH&PH Kolkata.
- **Dr. G. K. Pandey, Director Professor:**
  - Chairman, Plastic Hazards Committee, AIIH&PH, Kolkata.
- **Dr. D. Pal, Director-Professor:**
  - 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;
- Joint Managing Editor, Indian Journal of Hygiene & Public Health, Kolkata;
- Member, Training Cell, AIIH&PH, Kolkata;
- Member, Board of Studies, Post graduate Medical Courses, AIIH&PH, Kolkata.
- **A Dan, Public Health Specialist**
  - Chairman of Swachh Bharat Committee, AIIH&PH, Kolkata.
  - Member, Tender evaluation committee, AIIH&PH, Kolkata.
  - Member, Project management team, AIIH&PH, Kolkata.
  - Member, Enquiry committee, AIIH&PH, Kolkata.
- **Sh. S Hazra, Demonstrator:**
  - Member of the “Institutional Ethics Committee,” AIIH&PH, Kolkata.
  - Member of Board of Studies Non-Medical Courses, AIIH&PH, Kolkata.

### *Guest Lectures Delivered:*

- **Dr D. Dutt, Dir. Prof. & Head.**
  - Delivered a guest lecture on “Swachh Bharat Program and Role of Health and Hygiene” for Swachhta Pakhwada Programme on 16th May at POWERGRID, ER-II Kolkata.
  - Delivered a lecture on “Health Program Evaluation” on 28.11.2018 in a short course “Orientation course on Public Health for Medical Graduates” organized by Dept. of PHA, AIIH&PH, Kolkata.
- **Dr. Dipak Pal, Director-Professor**
  - Delivered a lecture on “Introduction & Basic methods of Epidemiology” on 26.11.2018 in a short course “Orientation course on Public Health for Medical Graduates” organized by Dept. of PHA, AIIH&PH, Kolkata.
- **Sh. S. Hazra, Demonstrator**
  - Delivered a lecture on “30 Cluster Sampling” on 27.12.18 in “Orientation course on Public Health for Medical Graduates” organized by Dept. of PHA, AIIH&PH, Kolkata.

### *Examiners:*

- **Dr. Debashis Dutt, Director Professor & Head acted as**
  - External Expert for MPH Examination conducted by Inst. of Public Health (IPH) Kalyani, on March 29<sup>th</sup> 2018.
  - Adjudicator for two MPH Dissertations of IPH Kalyani in March 2018.

- Convener and Internal Examiner for PGDPHM Final Examination at AIHH&PH, Kolkata in August- September, 2018.
- Internal Examiner for DHS Final Examination conducted by AIHH&PH, Kolkata in Dec 2018.
- Paper Setter for MSc Applied Nutrition Examination conducted by AIHH&PH, Kolkata in 2018.
- Paper Setter and Examiner for MPH Examination conducted by Inst. of Public Health (IPH) Kalyani in Sept 2018
- **Dr. Dipak Pal, Director-Professor acted as:**
  - External Examiner for MD (Community Medicine), Final examinations, 2018 of Tripura University held at Agartala Govt. Medical College, Agartala on 23.04.2018 and 24.04.2018.
  - Adjudicator of dissertation of MD (Community Medicine) of the West Bengal University of Health Sciences in the month of January, 2018.
  - Internal Examiner, PGDPHM Final Examination at AIHH&PH, Kolkata in August-September, 2018.
- **Sh. Suprakas Hazra, Demonstrator acted as**
  - Moderator, PGDPHM Examination, conducted by West Bengal University of Health Sciences.
  - Paper setter and examiner for M.Sc. (Applied Nutrition) Examination.

### *EMR Duty*

- Dr A Dan, Public Health Specialist conducted Post flood EMR duty in Kerala from 15.09.18 to 01.10.18

### *Field Activities/Programmes Undertaken:*

- MPH (Epidemiology) students of the session 2016-19 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.
- MPH (Epidemiology) students of session 2016-19 and 2017-20 conducted Epidemic investigation in the service area of RHU&TC, Singur.
- Dept coordinated Community Diagnosis Survey, Risk Factors of Non Communicable Diseases, and Immunization Coverage Evaluation Survey by 30 Cluster Technique at Singur, Hooghly.

### *Meetings attended*

- **Dr D Dutt, Dir. Prof and Head:**
  - Attended meeting on continuation of PGDPHM Course at Nirman Bhavan, New Delhi on 26<sup>th</sup> March 2018
  - Attended meeting of Centre of Excellence (COE) for HIV/AIDS, at School of Tropical Medicine, Kolkata on 1st August-2018
  - Attended Meeting of Arsenic Task Force at Conference Room of Public Health Engg. Dept, 7th Floor, New Secretariat Building, I. K. S. Roy Road, Kolkata. on 19 Sept 2018

### *Achievements*

- **Awards / Prizes**
  - Paper entitled “Behind The Wheel With Pain In The Back: A Qualitative Study Among Urban Taxi Drivers In Kolkata, India” by the following authors’: Dr. Mousumi Datta, Dr Gautam Das, Dr Debashis Dutt, Dr Arijit Sen received the award for the Best Poster in the International Conference On Recent Advances In Pain ( ICRA Pain) 2018 held in Jammu, India from 28th-30thSeptember, 2018

### *Administrative Responsibilities*

- Dr D Dutt is acting as Welfare officer of AIIH&PH Kolkata.
- Dr D Dutt is holding additional charge of Dept. of Sanitary Engineering
- Dr. Dipak Pal is acting as Vigilance Officer of AIIH&PH, Kolkata and Office of the Asst. Drugs Controller (I), Kolkata.
- Sh. S. Hazra acted as nodal officer for a Fortnight Pakhwada from 01/04/2018 to 15/04/2018 at Bidhannagar Campus, Salt Lake.

### *Swachchh Bharat Mission Activities*

Apart from undertaking special Swachhata drive in the Department, this Department had organized a seminar on Swachchh Bharat Mission and Swaccwata hi Seva for the Participants for the Short course on Basic Epidemiology and Biostatistics on 28.9.18.

MPH Epidemiology Residents organized several group discussions on Swachh Bharat Mission in the Field Practice areas of RHUTC Singur and UHUTC Chetla.

## *Some Photographs of Our Activities*



**“Workshop on Scientific Writing” 21 to 23 Feb, 2018, BN Campus, AIH&PH, Kolkata**



**Training programme on “Basic Epidemiology and Bio-statistics” 24-28th September, 2018  
AIH&PH Bidhan Nagar Campus, Kolkata.**



**Community Diagnosis Programme at Singur**



**Community Diagnosis Programme at Singur**



**Health Talk on Swachh Bharat Mission and Swachhata hi Seva in the Field Practice areas of UHUTC Chetla**



**Health Talk on Swachh Bharat Mission and Swachhata hi Seva in the Field Practice area**

## 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 1090 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.
- **Short course(s) / Training(s) conducted**
  - First Responder Training for Panchayat Members of Nasibpur Gram panchayat -15th December, 2017.
  - First Responder Training for community leaders and members of Chetla slum area - 4th April, 2018.
  - Training Workshop on “Universal health coverage” for improvement in service utilization of UH U & TC, Chetla - 5th April, 2018.

### *New Initiatives*

- **Skilled Based Course:** First batch of Diabetes Educator course successfully completed the course. (26<sup>th</sup> March to 8<sup>th</sup> June, 2018)
  - Proposal for starting new post graduate degree course - M.Sc. in Public Health (Health Promotion) is approved the MOHFW affiliation with the WBUHS under process.

### *Faculty*



Dr. Madhumita Dobe,  
Director Professor & Head  
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



Dr. C. S Taklikar  
Associate Professor  
M.B.B.S., M.D

**E-mail:** shekhartaklikar@gmail.com

**Mobile No.:** 9230278846

**Area of Expertise:** Health Promotion, Health Education, Nutrition Education.

## Assessment



Dr. Ketaki Sharma  
SMO  
MBBS, DMCW

E-mail: dr.ketakisharma@yahoo.in  
Mobile No.: 9433937875  
Area of Expertise: Health Promotion, Health Education, Nutrition Education.

## Other Members

Designation	Number	Activities Performed
Photographer	1 - Vacant	Photography (Retired in Aug-2017)
Stenographer	1	Secretarial Assistance
Cine-Technician	2 - Vacant	Arrangement of IEC material, OHP etc. in the classrooms.
Museum Curator	1	Looked after different aids and models kept in the museum.
Artist	0	-
Museum Assistant	1	Assisted the students in preparing their IEC Material.
MTS	2*	Support Service
*Erstwhile one Carpenter & one Peon.		

## Research Work

- **Dr. M. Dobe guided the following Curricular Research studies:**
  - 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 Uttarpara, Hooghly.
  - A study on Estimation of Palliative Care Need in Elderly Population in an Urban Slum of Kolkata.
  - A study on the modifiable behavioural risk factors associated with the prevalence of obesity on women (20-35 years) in Hatipara, Kolkata.
- **Dr. C. S. Taklikar co-guided the following Curricular Research studies:**
  - 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 Uttarpara, Hooghly.
  - A study on Estimation of Palliative Care Need in Elderly Population in an Urban Slum of Kolkata.
  - A study on Eating Disorder and its associated factors among females of selected colleges of Kolkata.

### *Conference/Workshop/Seminars attended*

- **Dr. M. Dobe, Director-Professor & Head**
  - Participated as panellist in the “National Thought Leadership Forum on Public Health Care during October 5<sup>th</sup> to 6<sup>th</sup> 2018” at Delhi, organized by Indian Express.
  - National Nutritional Week 2018 on 07.09.2018 by UNICEF.
  - IPHA National Annual Conference at KGMC, Lucknow.
- **Dr. Ketaki Sharma, SMO**
  - Participated in training program on “Basic epidemiology and Biostatistics” from 24<sup>th</sup> – 28<sup>th</sup> Sep, 2018.

### *Membership of Committees*

- **Participation of Dr. Madhumita Dobe in different Committees:**
  - Dean AIHH&PH.
  - Chief Editor Journal of Hygiene & Public Health – e journal of AIHH&PH.
  - Nominated Honorary Director of the West Bengal Chapter of Global Society for Health Promotion & Education affiliated to the International Union for Health Promotion.
  - Reviewer/Referee for: Journal of Indian Medical Association, Applied Nutrition and Indian Journal of Public Health.
  - Member, Editorial Board, Journal of Public Health Policy, Macmillan Publishers Ltd.
  - Member of the Advisory Council of the Indian Institute of Public Health, Delhi.
  - Member SAC, Fortis Hospitals.
  - Member Institutional Ethics Committee IDSK.
- **Participation of Dr. C. S Taklikar in different Committees:**
  - Member Secretary Recruitment Committee.
  - Member Secretary BOS for Non MCI recognized courses.
  - Member SAC.
  - Member Plastic Hazards committee.
  - Member Academic cell.
  - Vice-President, Recreation Club.
  - Member, Canteen Committee
- **Participation of Dr. Ketaki Sharma, SMO.**
  - Member purchase committee.

### *Guest Lectures Delivered*

- **Dr. M. Dobe, Director-Professor & Head**
  - Participated in The National Thought Leadership Forum on Public Healthcare – as Resource person in panel discussion on “Addressing the Quality Paradox in Public Health” held on 6th October New Delhi.
  - Acted as Speaker - UNICEF - Media sensitization workshop on 6th Sept, 2018, Kolkata
  - Participated in talk show at All India Radio and Doordarshan.
    - Talk-1 AIR: 11th October 2018: National Family Welfare Fortnight ‘Contraception is not a woman's responsibility alone; it must involve men as well’

- Talk-2 AIR: Global Handwashing Day: 15th October 2018.
- Talk-3 AIR: World Polio Day: 24th October 2018.
- Talk-4 DD: Swachh Bharat on 20.09.2018.
- Acted as Moderator – Panel discussion on Young people & mental health in a changing world on 11.10.18
- WASH & Nutrition-Personal hygiene and Environmental sanitation Impact on Nutritional status by Dr. Madhumita Dobe at ToT organized by Food and Nutrition Board(ER) - 15th March, 2018.
- Need of Elderly Care & Creation of Elderly Care Workere at Community Level for Elderly Care with the involvement of NGOs & Participation of Community at WBVHA 17<sup>th</sup> November, 2018.
- Role of Nutrition education – Media sensitization workshop organized by UNICEF during National Nutrition Week.
- Resource Person – Capacity Building for Analytical Work and Policy Dialogue / Advocacy – organized by WBVHA
- **Dr. C.S. Taklikar, Associate Professor**
  - Dr. C. S Taklikar, Asso. Prof acted as Judge in Regional National Science Congress Competition on 28.09.2018 held at Kendrya Vidyalaya, Ballygunge, Kolkata.
  - WASH & Nutrition-Personal hygiene and Environmental sanitation Impact on Nutritional status by Dr. Madhumita Dobe at ToT organized by Food and Nutrition Board(ER)by Dr. C. S Taklikar - 16th March, 2018.

### *Examiners*

- **Dr. M. Dobe, Director Professor& Head, acted as**
  - DHPE examination Convener/ Paper setter/ Moderator conducted by WBUHS.
  - Ph.D. Examiner PHIMER, Chandigarh
  - M.D. Examiner, WBUHS
  - Examiner DHS Final University Exam.
- **Dr. C.S.Taklikar, Associate Professor, acted as**
  - Examiner/Paper setter of DHPE, M.Sc. (A.N), Dip. Diet and DHS conducted by WBUHS.

### *Field Activities/Programme*

- Health Promotion and Education programme on Infant and Young Child feeding practices - 01st Dec, 2017 conducted at Nashipur.
- Study on Open defecation status of Nasipur Gram-panchayat of Singur block, Hooghlt District, west Bengal
- Health Promotion and Education programme on NCD risk factors at Nasipur Gram Panchayat - 1<sup>st</sup> March, 2018
- Health Promotion and Education programme on Tuberculosis at UHU&TC, Chetla - 3<sup>rd</sup> March, 2018
- Health Promotion and Education programme on Vector borne diseases UHU&TC, Chetla - 8th March, 2018.
- Health Promotion and Education programme on Cancer at Nasipur Sub-centre - 28th Feb, 2018.

## *Achievements*

- Trained 46 Front Line Health Workers to become Health Promotion and Education Specialists.
- Trained 10 candidates as Diabetic Educator.

## *Other Activities*

- National Dengue Day was observed on 16<sup>th</sup> May, 2018. Dr. Dwaipayan Mojumdar, Medical Officer-NVBDCP, KMC deliberated and shared his experience regarding Dengue prevention and control in KMC area.
- Health Promotion and Education programme on Diabetes prevention and control was conducted at Khasla High School, Dunlop on 31.05.2018.
- Health Promotion and Education program regarding “Oral Health and Hygiene” was conducted on 05.07.2018 among primary and secondary School children of Muttylal Seal Free School.
- Health Promotion and Education program regarding “Beat Plastic Pollution” was conducted on 06.07.2018 among primary and secondary School children of Muttylal Seal Free School.
- Health Promotion and Education program regarding “Tobacco or Health choice is yours” was conducted on 28.09.2018 among secondary School children of Muttylal Seal Free School.
- Health Promotion and Education program regarding “Mental Health and School children” was conducted on 10.10.2018 among secondary School children of Muttylal Seal Free School.
- Fulbright-Nehru distinguished Chair Dr. Karen Kayser delivered lecture/talk on "Facing Cancer: The dance of coping" in the Auditorium main campus - 10<sup>th</sup> April, 2018.
- Dr. C.S. Taklikar was posted at Sagar District in Madhya Pradesh for EMR duty for ZIKA Prevention and Control.
- **Swachh Bharat & Swachhta Hi Seva Campaign:**
  - Swachhta awareness drive was conducted among Shop owners at Singur on 19.09.2018 by the DHPE students.
  - Swachhta awareness drive was conducted among govt. quarter dwellers of RHUTC, Singur campus on 23.09.2018 by the DHPE students.
  - Swachhta hi Seva drive was conducted on 28.09.2018 in Muttylal Seal School among Primary and Secondary school children by cleaning the premises of the school and education on waste disposal and personal hygiene.
  - Painting competition on “Swachh Bharat Abhiyan” theme was conducted on 09.10.2018 among school children of Motilal Seal School and prize distribution was done on 10.10.2018.
  - Personal Hygiene and Hand Washing at Pagladanga School - 8<sup>th</sup> April, 2018-12-07
  - Swachh Bharat-Solid waste Management at Pagladanga slum area - 1<sup>st</sup> April, 2018.

## *Some Photographs of Our Activities*



**Observation of National Dengue Day on 16<sup>th</sup> May, 2018 Dr. M Dobe, Dir-Prof Dean and HOD interviewing Dr. Dwaipayan Mojumdar, Medical Officer-NVBDCP, KMC.**



**Health Promotion and Education programme on Diabetes prevention and control at Khalsa High School, Dunlop on 31.05.2018**



**Health Promotion and Education programme on Diabetes prevention and control at Khasla High School, Dunlop on 31.05.2018**



**Swachhta Hi Seva campaign at Singur by DHPE students on 19.09.2018**



**Swacchta awareness among hotel owners in Singur on 19.09.2018.**



**“Swachhta Hi Seva” campaign at Muttylal Seal Free School on 28.09.2018**

## 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 AIHH&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 AIHH&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.

## New initiatives

- The department has been recognized as the Regional training Centre for training on RCH/ NUHM/Public Health for the North Eastern States of India.

## Faculty



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

**E-mail:** ashokmallick62@yahoo.co.in

**Mobile No.:** 94334 64500

**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.)

**E-mail:** rabindranathsinha57@gmail.com

**Mobile No.:** 94331 01001

**Area of expertise:** RCH/ MCH, Research Methodology, Nutrition, Adolescent Health.



Dr. R. N. Chaudhuri  
Director-Professor  
(Director up to 15.11.2017)  
MBBS, D.M.C.W,  
M.D.(SPM)

**E-mail:** rnchaudhuri@yahoo.in

**Mobile No.:** 98314 17720

**Area of expertise:** MCH, Occupational Health, Reproductive Health.



Dr. Madhumita Bhattacharya  
SMO & Equated Associate  
Professor  
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), Assistant Professor  
 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

- Sanjoy Chauhan, S. Unisa, B. Joshi, R. Kulkarni, A. Singh, T.S. Subhramonium, R.N. Chaudhuri et al – “Capacity Assessment of District Health System in India on Services for Prevention and Management of Infertility”, Jan-March 2018, vol. 3, issue 1, Indian Journal of Community Medicine.
- Rabindra Nath Siniha, Bobby Paul, ‘Menstrual Hygiene Management’ in Indian Journal of Public Health, April-June 2018, volume 62, Issue 2.
- N Karmakar, K Nag, I Saha, R Parthaqsarathi, M Patra, R.N.Sinha ‘Awareness, treatment and control of hypertension among adult population in a rural community of Singur Block, Hooghly District, West Bengal’. J Edu Health Promot 2018 Octfober; vol 7 :134
- R.N. Sinha, ‘WHO and UNICEF issue new ten-steos guidance to promote breastfeeding in health facilities’, Indian Journal of Hygiene and Public Health (Public Health Update), vol.3 issue I , June 2017 (published in 2018)
- Madhumita Bhattacharyya, Rabindra Nath Sinha, Asim Sarkar, Ashok Kr. Mallick, Asit Kr. Panda: “Effect on weight after Albendazole therapy among the primary school children in a slum of Kolkata”-published in National Journal of Community Medicine vol 9 issue 2 February 2018, page 106 to 109.
- Madhumita Bhattacharyya: Public Health Update on “Litchi, a sweet fruit is responsible for Child Death Encephalopathy” in the online journal of Hygiene & Public Health, published in June 2018.

### Research Work

- **Dr. A. K. Mallick, Director Professor acted as a guide to the following curricular research study:**
  - A Study on Nutritional Status & Knowledge, Attitude and Practice Food Safety among the Food Handlers in the restaurants in Kalyani, Nadia, West Bengal. (M.Sc. Applied Nutrition, session 2016-18).

- **Dr. R. N. Sinha, Director Professor acted / acting as supervisor cum guide to the following curricular research studies:**
  - A Study on Unhealthy Cervix and Its' Risk factors among Currently Married Women of Reproductive Age group of a Slum of Kolkata (MD 2016-19).
  - Infant and Young Child Feeding Practices in an Urban Slum of Kolkata (MPH- 2016-19).
  - Morbidity Pattern and Health Care Seeking Behaviour of Elderly in a Rural Area of West Bengal [MD (Community Medicine) thesis 2017-20].
  - A Study to Generate Awareness of Importance of Body Mass Index as a Nutritional Status Assessment Tool among Students of Class IX and XI of A Girls' High School in Asansol, West Bengal, [M.Sc. (Applied Nutrition) Dissertation 2016-18].
  - A study on Menstrual Hygiene Management Practices among Women of Reproductive Age Group and its Perceived Barriers in a Rural Area of Singur Block of Hooghly District, West Bengal [M.D. Community Medicine) thesis 2018-21].
  - An epidemiological study on Preventive and Determinants of Hypertension among Adolescent School Students of Government Higher Secondary Schools in Chetla Area of South Kolkata. (M.P.H. 2018-21).
- **Dr. Madhumita Bhattacharyya acted as guide for:**
  - Short study "Assessment of Nutritional Status and Food Habit of mentally retarded children and adolescents" M.Sc. (Applied Nutrition 2016-17) – submitted in September 2018.
  - Co-guide for thesis work on "Infant & Young Child Feeding Practices in a Slum of Kolkata MPH (Epidemiology), 2016-19.
  - Co-guide for thesis on "a cross sectional study of Morbidity Pattern, Health Seeking Behaviour and Health Care Facilities available for Elderly in a Rural Area of West Bengal , India". MD (Community Medicine) 2017-20.
  - Co-guide for thesis on "A study on knowledge, attitude and practice of Male Barbers regarding Blood-Bone Viral Infections and its factors in a Block of West Bengal." MD (Community Medicine) 2017-20.
- **Dr. Asim Sarkar acted as supervisor cum guide for:**
  - The research on Nutritional status of tribal population by M.Sc. (Applied Nutrition) student.
  - Acted as co-guide of a study on Visual inspection of cervix after application of ascetic acid – by MD Community Medicine student.

### *Conference/Workshop/Seminars attended*

- **Dr. A. K. Mallick, Director Professor**
  - Attended 62nd National Conference of Indian Public Health Association at King George Medical University, Lucknow ( 9th to 11th February 2018)
  - Attended One Day Workshop on "Teaching Kitchen; Next Step in Policy & Sustainability" organized by NNEdPro, Cambridge University in Kolkata on 25th October 2018.

- Delivered lecture in workshop on “Ensuring Focused Interventions on Addressing under nutrition during the first 1000 days of child; Better Child” organized by Food & Nutrition Board, Govt. of India, in Barasat on 7th September 2018.
- Organized two workshops on “Mosquito borne diseases and Common Cancer among Women” in a rural community in collaboration with NSS unit of APC College , New Barrackpore.
- **Dr. R. N. Chaudhuri, Director-Professor**
  - Acted as Chairman for the Scientific Technical Session at the 107th Foundation Day Celebration of National Test House, Kolkata on 31.8.18.
  - Acted as Resource Person in the Workshop on “Capacity Building for Analytical Work and Policy Dialogue / Advocacy”, conducted by West Bengal Voluntary Health Association, Kolkata on 20th to 30th February 2018.
- **Dr. R. N. Sinha, Director Professor**
  - Attended 62nd National Conference of Indian Public Health Association at King George Medical University, Lucknow ( 9th to 11th February 2018)
  - Attended 34th Annual Conference of Indian Association of Preventive and Social Medicine (W.B. Chapter) at College of Medicine & Sagar Dutta Hospital, Kamarhati, Kolkata on 4th May 2018 as member and also acted as a Resources person in a Symposium on Stop Stunting – delivered lecture on ‘Epidemiology of Stunting and Role of Public Health Professionals in Stop Stunting Initiative.
  - Attended Observation of Zoonoses Day Programme at AIHH&PH, conducted by Dept. of Microbiology on 12.07.2018
  - Attended Workshop for Capacity Building of Reviewers and Editors of Indian Journal of Hygiene & Public Health and acted as a resource person (20th July 2018).
  - Observation of World Mental Health Day at AIHH&PH, Kolkata and acted as a Resource Person in a panel discussion on the theme of 2018.
- **Dr. Madhumita Bhattacharyya, SMO & equated Associate Professor**
  - Attended PEDICON (Infectious Disease Chapter) 2018 organized by IAP.
  - Imparted training as state trainer on ‘MAA (Mother’s Absolute Affection) at Medinipore Medical College from 26 to 27 September 2018 for Medical Faculty.
  - Attended BIMACON 2018 organized by IMA, Behala Branch, in May 2018 as Chairperson of the scientific session.
  - Attended TOT organized by Food & Nutrition Board, GOI on child Nutrition as trainer for Anganwadi Workers, CDPOs and Supervisors on three times in 2018.
- **Dr Asim Sarkar, CMO (NFSG) & Assistant Professor (Equated)**
  - Attended training programmes on Menstrual Hygiene & Breast Feeding in schools in the service area of RHU&TC, Singur.

## *Membership of Committees*

- **Director-Prof. A.K. Mallick acted as**
  - Chairman, Reservation Cell of the Institute;
  - Chairman, Decoration Committee for Foundation day celebration of AIIH&PH;
  - Chairman, Tender Evaluation committee of AIIH&PH;
  - 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;
  - 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 DPC, MACP for AIIH & PH& member of several other Committees of the Institute;
  - Member of the interview Board for selection of Dip Diet course 2017-18;
  - Member, Faculty Council.
- **Director-Prof. R. N. Sinha acted as**
  - Member, Faculty Council, AIIH&PH, Kolkata;
  - Member, Academic Cell, AIIH&PH, Kolkata;
  - Member, Scientific Advisory Committee, AIIH&PH, Kolkata;
  - Member, Institute Ethics Committee, AIIH&PH, Kolkata;
  - Member, Board of Studies, AIIH&PH, Kolkata;
  - Joint Managing Editor, Indian Journal of Hygiene & Public Health.
- **Dr. Madhumita Bhattacharyya acted as**
  - Member, Sexual Harassment Committee, AIIH&PH, Kolkata;
  - Member of Hostel Canteen Committee, AIIH&PH, Kolkata;
  - Member of Library Committee, AIIH&PH, Kolkata.
- **Dr. Asim Sarkar acted as**
  - In-charge, 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;

- Chairman, Canteen Committee, AIHH&PH, Kolkata.

### *Guest Lectures Delivered*

- Director-Professor A.K. Mallick delivered lectures as Chief Guest in the celebration of World Health Day 2018 in ICMR-NICED Kolkata on 7th April 2018.
- Director-Professor A.K. Mallick delivered lectures as Panellist in a Panel Discussion on Knowledge Strength in Bhairab Ganguly College, Belghoria.

### *Examiners*

- **Dr. A. K. Mallick, Director-Professor, acted as**
  - Paper Setter in DHPE examination 2018 under WBUHS;
  - External Examiner in Dip-Diet examination 2018 under WBUHS.
- **Dr. R.N. Chaudhuri, Director-Professor, acted as**
  - Paper Setter & Examiner for DHPE University Examination.
- **Dr. R. N. Sinha, Director- Professor, acted as-**
  - Examiner of M.B.B.S. 3rd Prof. Part I Orl & Prac. Exam. 2018 in the subject of Community Medicine at Institute of P.G.Medical Education & Research, SSKM Hospital, Kolkata from 08-01-2018 to 12-01-2018.
  - Examiner of Ph.D.(Sc.) Thesis [“Study of Predisposing Factors and Environmental Effects on Diabetes Mellitus”] of Calcutta University at Vivekananda Institute of Medical Sciences, Kolkata 26th February 2018.
  - Examiner of PhD(Sc.) Thesis [“Molecular and Biochemical Study of Human Cases with different Abnormalities of Oral Pathology Related to Betel Quid”] of Calcutta University at Vivekananda Institute of Medical Sciences, Kolkata on 5th October 2018.
  - External Examiner of B.Sc. Part III (Hons) Practical Examination 2018 of Food and Nutrition (Paper VIII, Unit-II, Module-30) of University of Calcutta on 2nd April 2018.
  - Examiner (viva voce) of MSc (Applied Nutrition) of AIHH&PH – 1st year final – B/N campus
  - Adjudicator of two (2) M.D. (Community Medicine) thesis of WBUHS.
- **Dr. Madhumita Bhattacharya, acted as-**
  - External Examiner for the B.Sc, Hons (Human Development) Exam at J D Birla Institute (affiliated by Jadavpur University) in June 2018.

### *Training received*

- Dr. Madhumita Bhattacharyya received administrative training on e-tendering in July 2018.
- Dr. Asim Sarkar received from NIFM on Purchase Procedure.

### *Training conducted:*

- **Prof. A. K. Mallick**

- Acted as resource person in the Orientation course on Public Health for medical graduates conducted by Dept. of Public Health Administration – delivered lecture on overview of RMNCH+A (28-11-2018).
- Organized and conducted Observation of World Breast Feeding Week at RHU&TC, Singur (7th August 2018).
- Organized two one day training programmes on Menstrual Hygiene in Harishnagar Girls High School and Molla Simla High Madrasa at RHU&TC, Singur.
- Organized one day Orientation Training Programme on Gestational Diabetes Mellitus for Health Workers, Nursing Staffs and ASHA workers & ICDS workers at RHU&TC, Singur.

- **Prof. R. N. Chaudhuri**

- Acted as resource person in the Orientation training on Gestational Diabetes Mellitus at RHU&TC, Singur (6<sup>th</sup> September 2018).
- Acted as resource person in the workshop on “Mosquito borne diseases” and “Common Cancer among Women” in a rural community in collaboration with NSS unit of APC College, New Barrackpore.

- **Prof. R. N. Sinha**

- Acted as resource person in the Observation of World Breast Feeding Week at RHU&TC, Singur (7th August 2018).
- Acted as resource person in the Orientation training on Gestational Diabetes Mellitus at RHU&TC, Singur (6th September 2018).

- **Dr. Asim Sarkar**

- Acted as resource person in the Observation of World Breast Feeding Week at RHU&TC, Singur (7th August 2018).
- Acted as resource person in the Orientation training on Gestational Diabetes Mellitus at RHU&TC, Singur (6th September 2018).
- Acted as resource person in the Menstrual Hygiene Training Programme at RHU&TC, Singur.

### *Field Activities/Programme*

- Dr.R.N.Chaudhuri, Director-Professor acted as resource person for Zika Virus Outbreak – Containment in EMR duty at Bhopal on 2nd to 16th November 2018.
- Interactive Lectures, Demonstrations were held among rural mothers on breast feeding week at UHU&TC, Chetla and at Nasibpur Health Center of RHUTC Singur. Objectives were to generate awareness on Breast feeding, IYCF.

### *Achievements*

- Prof. R.N. Sinha is the Vice President of the Indian Association of Preventive & Social Medicine (W.B. Chapter) for 2018-19.
- Prof. R.N. Sinha is acting as Associate Editor of Indian Journal of Public Health.

### *Other Activities:*

- Prof. R.N. Sinha is acting as a member of the Working Group for 76th Round of NSS Survey on 'Disability, drinking water, sanitation, hygiene & housing condition'.
- Dr. Asim Sarkar is conducting family planning clinic at UHU&TC, Chetla.
- Dr. Asim Sarkar is working as M.O. at OPD & Indoor at RHU&TC, Singur.

### *Additional Responsibility*

- **Dr. Madhumita Bhattacharya**
  - Warden of Ladies Hostel, AIH&PH;
  - Library In-charge.
- **Dr. Asim Sarkar**
  - In-Charge Stores

### *Some Photographs of Our Activities*



**Awareness Programme on Menstrual Hygiene for School Girls at Singur**



**Awareness Programme on Menstrual Hygiene for School Girls at Singur**



**Awareness Programme on Menstrual Hygiene for School Girls at Singur**



**Bed side breast feeding counselling at Hospital.**



**Mothers Absolute Affection (MAA) Training program at Midnapore Medical College**

## MICROBIOLOGY

### *Introduction*

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

It is probably the First Institute/College having a separate Microbiology Section in India. It was established in the year 1932 during British Era. Prof. K.V. Krishnan was the First Head of the Department.

The department is involved in teaching the subject Microbiology to all courses run in the Institute. It runs a 2-year Master degree course under the University of Calcutta - Master of Veterinary Public Health (MVPH). The research activities include the supervision of dissertation work of the P.G. students of the department and of other departments. 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 endemic countries in abroad.

### *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 run by the Institute. The department also takes practical classes of the different courses allotted to the department.
- Yellow Fever Vaccination was given to 1275 International Travelers visiting to Yellow Fever Endemic Countries, by the department.
- 297 water samples were tested for potability by the Water Bacteriology Section of the Department.
- Seminars of different topics on “Zoonoses” are held regularly.
- Media Room: More than 300 culture media of different categories in total had been prepared and utilized during the period of reporting. The Washing Room and Sterilization Room were intimately associated with the preparation of these media.

## Faculty



Dr. Atul Raj  
Associate Professor  
Head of the Department  
MBBS, MD(Microbiology)

**E-mail:** dratul09@gmail.com

**Mobile No.:** 9163227575 / 033-23353232

**Area of expertise:** Bacteriology



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

**E-mail.:** dramitbanik@gmail.com

**Mobile.:** 9402195476 / 033 - 23359858

**Area of expertise:** Bacteriology



Dr. Sayan Bhattacharyya  
Assistant Professor  
MBBS, MD (Microbiology)  
**E-mail:** sayanda7@outlook.com  
**Mobile No.:** 9432488669  
**Area of expertise:** Bacteriology

## Conference/Workshop/Training attended

- Dr. Atul Raj attended and 27<sup>th</sup> International Conference of Virology (INTER-VIROCON 2018) under the aegis of Indian Virological Society (IVS) on the theme: Global Viral Epidemics: A Challenging Threat from 12<sup>th</sup>-14<sup>th</sup>, November 2018 in Chandigarh and acted as a Judge in Poster session of the same.
- Dr. Sayan Bhattacharyya, Assistant Professor, Microbiology attended MICROCON 2018 (42<sup>nd</sup> Annual Conference of the Indian Association of Medical Microbiologists) in NIMHANS, Bengaluru from 30th November to 2nd December 2018. He presented two e-Poster on 30<sup>th</sup> November in the said conference-
  - Occurrence of coliforms other than *Escherichia coli* and other fermenters in drinking water and correlation with pH of water.
  - Evaluation of some new tests for identification of non-fermenting Gram negative.

## Research activities

- Study of pattern and antibiogram of bacterial and fungal flora in hands and mobile phones of Doctors and Staff in a public health institute.
- Study of fungal pathogens and non-tubercular Mycobacteria from drinking water in a public health institute.

## Field Activities/Programme

- Participated in the Community Diagnosis Programme by examination of received Biological samples and to demonstrate and teach different methods adopted for identification the results of the samples to the Core course students at RHU&TC, Singur for a period of one month in Decmeber17-Januray 18

- Entomological survey to demonstrate and teach the different methods of collection of medically important arthropods, their biological behaviour, Spraying operation, Adult and larvae of mosquito -susceptibility testing, identification of different Medically important insects for Core course students at RHU&TC, Singur for a period of one month in December 17- January 18.

### *Other Special Activities Performed:*

- Dr. Amit Banik, Assistant Professor, visited Bengaluru on EMR duty (04th January to 15th January 2018) to assist the State Health Authorities in Avian Influenza Containment measures / Supervision of Surveillance Measures etc.
- Dr. Amit Banik, Assistant Professor, visited Kerala to join EMR duty (31st August to 16th September 2018) to assist the State Health Authorities in Flood affected Ernakulam districts.
- Dr. Sayan Bhattacharyya, Assistant Professor, visited Paradip (District- Jagat Singhpur) Odisha on Emergency medical rescue duty on 23rd February 2018 to assist the State Health Authorities in Avian Influenza Containment measures / Supervision of Surveillance Measures etc.
- Dr. Sayan Bhattacharyya, Assistant Professor, visited Kerala to join EMR duty (15th September to 01st October 2018) to assist the State Health Authorities in Flood affected Malappuram district.
- Dr. Sayan Bhattacharyya, Assistant Professor, got 2nd Prize in oral Paper in Society of Tropical Medicine Infectious Diseases in India on 22<sup>nd</sup> July 2018 in Paper title “Use of a new method for studying Pathogenic Bacteria in Drinking water and its correlation with Ph of the water” at Gateway Hotel, Kolkata.
- Immunology day was celebrated on 1st May 2018 by organizing a CME with a theme of “Life style management” in the auditorium of B.N. Campus.
- An awareness Programme on WHO Hand Hygiene day was organized on 7th May 2018 in the auditorium of B.N. Campus with the slogan of this year campaign is “Its in your Hand – Prevent sepsis in health care” illustrating the important relation between good infection Prevention and control Practices, such as washing Hands and preventing infection.
- National Dengue Day was celebrated on 17th May 2018 in the auditorium of B.N. Campus in which Faculties & students from various Institutes of west Bengal attended the Programme.
- A CME was organized on Zoonoses day on 12th July 2018 in the auditorium of BN campus in which Faculties & students from various Institutes of west Bengal attended the Programm

*Some pictures of our routine activities*



**Yellow fever vaccination**



**Yellow fever vaccination**



**Inauguration of Zoonosis CME**



**Lamp Lighting in National Dengue day inauguration**



**Teaching of PG student in laboratory**

## 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*

- **Short Outreach Training Programmes Conducted**

- Training on occupational health issues related to coal fired thermal power plants at CESC Southern Generating Station, Garden Reach on 02 Nov 2018.

- **Other Regular 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.P.H., 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- M.Sc.-Public Health (Occupational Health) has already been approved by the Ministry of Health and Family Welfare, GOI and WBUHS affiliation is awaiting. If started, this will be the first course in this country in the field of Occupational Health covering both industrial and non-industrial sectors. M.Sc.-Public Health (Occupational Health) will be a two-year, full time, post-graduate medical diploma course open to medical graduates with recognized MBBS qualification.
- Proposal has been sent to the Medical Council of India to include the DIH (Diploma in Industrial Health) course in the Post Graduate Medical education Regulation 2000.

## Faculty



Dr. Alok Vajpayee  
Director-Professor & Head  
MD (PSM)  
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**Area of Expertise:** Epidemiology, Occupational Health.



Mrs. Sharmila Sanyal  
Professor  
M.Sc. (Physiology)

E mail: sanyalsharmila@yahoo.com  
Mobile No. : 8334841000

**Area of Expertise:** Respiratory Physiology and Ergonomics.



Dr. Nandini Bhattacharyya  
Senior Medical Officer  
MBBS, DIH

E mail: nandini\_bhattacharyya@yahoo.co.uk  
Mobile No. : 9143036926

**Area of Expertise:** Occupational Health

## Other Members

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

## Research Work

- Assessment of street food management.

## Conference/Seminars/Workshop Attended

- Dr Alok Vajpayee, Director-Professor and Head invited to deliver talk on – (i) Health hazards of night shift and (ii) Occupational Cancers at Regional Labour Institute, Kolkata on 19 April 2018.
- Prof Sharmila Sanyal attended the meeting of the Steering Committee of KMC for Food Safety Related Programs to facilitate exchange of views and way forward on 11.07.2018 at the Kolkata Municipal Corporation Central Municipal Office, Kolkata.
- Prof Sharmila Sanyal attended the Regional Consultation to sensitize key stake holders on the standards and Methods on Food Safety Requirements for Street Foods (Eastern & North Eastern Region) on 14.05.2018 & 15.05.2018 organized by Foundation for Community Support & WHO at Administrative Training Institute, Salt Lake, Kolkata. Also made a presentation on “An Introduction to Street Foods - Problems and Prospects and Role of Key Stakeholders”.

## *Membership of Committees*

- **Dr. Alok Vajpayee, HOD**

- Chairman, Public Health and Medical Education Unit;
- Chairman, Library Committee;
- Chairman, Vehicle and Vehicle Condemnation Committee;
- Chairman- Weeding out of old records, documents and books committee.
- Chairman, MACP Screening Committee;
- Chairman, Official Language Implementation Committee;
- Chairman, Equated Teaching Status, Committee;
- Member- Scientific Advisory Committee.
- Member- Plastic Hazard Committee.
- Member – Academic Council
- Member – Cadre Review Committee.
- Member, Recruitment Rules Committee for technical staff.
- Member- Boards of Studies (Public Health) of the West Bengal University of Medical Sciences.
- Member – Faculty Council of AIH&PH.

- **Professor Sharmila Sanyal**

- Member Secretary, Academic Cell of the Institute;
- Member, Editorial Board of e-journal, IJHPH of the Institute;
- Member, Board of Studies for non MCI courses;
- Member, Steering Committee of KMC for Food Safety Related Programs.

- **Dr. Nandini Bhattacharyya,**

- Member Secretary, Preventive Vigilance Committee of the Institute;
- Member Secretary, Canteen Committee of the Institute;
- Member, Biometric Attendance Committee of the Institute;
- Member, Condemnation Committee of the Institute;
- Member, Swachhta Monitoring Cell of the Institute;
- Member, Foundation Day Reception and Invitation Committee.

## *Examiners*

- **Prof. Sharmila Sanyal acted as**
  - Examiner for the M.Sc. (Microbiology) - Practical & viva-voce examination conducted by West Bengal State University.
  - Paper Setter for the MSc Applied Nutrition examination conducted by WBUHS.

## *Field Activities/Programmes Undertaken*

- Faculty participated as Supervisor cum Guide to Community Diagnosis Programme by Core Course students undertaken at RHU&TC, Singur for a period of 6 weeks.
- Faculty participated as Supervisor cum Guide to Family Health Care Programme undertaken by the Core Course students at UHU &TC, Chetla for a period of 6 weeks.
- Dr. Nandini Bhattacharyya acted as a nodal officer of Sachhta Hi Seva campaign observed from 15th Sep 2018 to 2nd Oct in the Institute where she was co-ordinator of pledge taking ceremony at main campus of the Institute and the program arranged to provide hands-on training of hand hygiene to poor people of nearby locality, along with distribution of soap among them on the eve of Gandhi Jayanti at the main campus of the Institute.

## *Some Important photographs*



**Swachhta Programme in the Department of Occupational Health on 2nd October 2018**



**Training on Occupational Health Hazards at CESC, Southern Generating Station at Garden Reach, Kolkata on 02-11-2018**



**Training on Occupational Health Hazards at CESC, Southern Generating Station at Garden Reach, Kolkata on 02-11-2018**



**Swachhhta Fortnight organized in the Institute**

## 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 MCI and affiliated to WBUHS.
  - Classes taken for other courses i.e., DPH, DHPE, DHS, PGDPHM, and Skill based courses.
- **Other Regular Activities**
  - Seminars/ Short Study presentation/ Journal Club/Focus Group Discussion/ Field Activities etc. are undertaken as part of curricular activities by MD (CM) students.
  - Family Care Programme is undertaken at the field practice area of UHU&TC, Chetla for Core Course students in the month of August-September every year.
  - Academic Visit to Indira Gandhi Water Works, Palta, Barrackpore (23rd March, 2018), Marine House and Kidderpore Dock (13<sup>th</sup> June 2018) was organized for second year Junior Residents of MD, DPH and MPH course.

### *Faculty*



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

E-mail: drbobbypaul@gmail.com

Mobile No.:9830046821

Area of expertise: Bioethics and Child health



Dr. Lina Bandyopadhyay  
Public Health Specialist Gr.I  
Equated Assistant Professor  
MBBS, DPH, MD(SPM)

E-mail:sulins81@gmail.com

Mobile No.:9830020149

Area of expertise: Public Health and MCH.



Dr. Aparajita Dasgupta  
Director Professor  
M.B.B.S, MD(SPM)

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Mobile No.:9230534102, 8584057352.

Area of expertise: Public Health.



Dr. Shamita Mandal  
S.M.O.(CHS)  
MBBS, DPH

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Mobile No.:9433676907

Area of expertise: Public Health.

## Other Members

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

## Publications

1. Dasgupta A, Sembiah S, Paul B, Ghosh A, Biswas B, Mallik N. A cross sectional study on visual health among women aged 18-59 years residing in a slum of Kolkata, West Bengal. *Indian Journal of Community Health* December 2017; 29(4):363-368
2. Mallick N, Paul B, Garg S, Dasgupta A, Ghosh A, Biswas B. Unmet need of family planning among married women of reproductive age: A clinic based study in rural Bengal *International Journal of Medical Science and Public Health* 2018;7: DOI: 10.5455/ijmsph.2018.1233017122017
3. Saha I, Paul B. War Against Tobacco: Where do we stand? *Indian Journal of Public Health* 2018; 62: 55-7.
4. Biswas B, Naskar NN, Basu R, Dasgupta A, Paul B, Basu K. Knowledge of the caregivers of thalassemic children regarding thalassemia: Across-sectional study in a tertiary care health facility of Eastern India. *Iraqi J Hematol* 2018
5. Dasgupta A, Pal M, Paul B, Bandyopadhyay L. Predictors of smokeless tobacco consumption among women: a community based study in a slum of Kolkata. *Int J Community Med Public Health* 2018;5:1812-6.
6. Mallik N, Pal B, Garg S, Karmakar A, Dasgupta A, Muthu S. Common Ocular Morbidity among Elderly: A Study in a Slum of Kolkata, West Bengal. *Med J D Y Patil Vidyapeeth* 2018; 11: 22-7
7. Dasgupta A, Pal M, Paul B, Bandyopadhyay L. Predictors of smokeless tobacco consumption among women: a community based study in a slum of Kolkata. *Int J Community Med Public Health* 2018;5:1812-6.
8. Roychoudhury N, Dasgupta A, Roy K, Bandyopadhyay L, Mandal S, Paul B. Health status of field level female health personnel: Study in a rural area of West Bengal; *International Journal of Applied Research*; June 2018; 8(6): 77-78
9. Sinha RN, Paul B. Menstrual hygiene management in India: The Concerns. *Indian J Public Health* 2018; 62:71-4
10. Saha I, Islam K, Paul B, Som TK. Tobacco-related morbidity and nicotine dependence: An experience in an urban slum of Burdwan district, West Bengal, India. *J Edu Health Promot* 2018;7:94.
11. Maharana SP, Paul B, Garg S, Dasgupta A, Bandyopadhyay L. Exposure to indoor air pollution and its perceived impact on health of women and their children: A household survey in a slum of Kolkata, India. *Indian J Public Health* 2018;62:182-7

12. Garg S, Dasgupta A, Maharana SP, Paul B, Bandyopadhyay L, Bhattacharya A. Sun exposure and Vitamin D in rural India: A cross-sectional study. *Indian J Public Health* 2018;62:175-81.
13. Sembiah S, Paul B, Dasgupta A, Bandyopadhyay L. Capacity building of private sector workforce for public health services in India: Scope and challenges. *Indian J Community Med* 2018;43:144-7.
14. Augustine A, Dasgupta A, Pal B, Bandyopadhyay L, Mandal S. Study on knowledge and practices of iron and folic acid supplementation among pregnant women. *Indian Journal of Applied Research*. August 2018
15. Banerjee R, Dasgupta A, Burman J\*, Paul B, Bandyopadhyay L, Suman S. Resilience level among adolescent children: a school based study in Kolkata, India. *Int J ContempPediatr*. 2018;5(4):1641-45
16. Roy K, Dasgupta A, Roychoudhury N, Bandyopadhyay L, Mandal S, Paul B. Assessment of under nutrition with composite index of anthropometric failure (CIAF) among under-five children in a rural area of West Bengal, India. *Int J ContempPediatr*. 2018;5:1651-56
17. Dasgupta A, Suman S, Paul B, Banerjee R, Bandyopadhyay L, Mandal S. A school based study on over-nutrition and its determinants in an urban area of Kolkata. *J Comprehensive Health* 2018; 7(1): xxx-xxx
18. Mandal S, Mondal S. Current Scenario of Biomedical Waste Management (BMW) in West Bengal and new BMW rules (2016). *Journal of the Institution of Public Health Engineers, India*. 2018 July ;46(2):32-36
19. Mohanta M, Dasgupta A, PanT, Paul B, Bandyopadhyay L, Mandal S. An epidemiological study on ocular morbidities among school students in an urban area of South 24 Parganas, West Bengal. *International Journal of Community Medicine and Public Health* 2018; 5(8): 3454-58
20. Paul B, Saha I. Evidence to Guidelines: The Roadmap. *Healthline Journal* 2018; 9(1): 6 – 12
21. Dasgupta A, Paul B, Bandyopadhyay L, Mandal S, Banerjee R, Pan T. Prediction of 10 years risk of cardiovascular disease among adults aged 30-49 years residing in South Kolkata, West Bengal. *Int J Community Med Public Health* 2018;5:4532-5.
22. Sembiah S, Burman J, Dasgupta A, Paul B, Banerjee R, Suman S. Perception of married women of reproductive age group toward permanent sterilization in a slum of Kolkata. *Int J Med Sci Public Health* 2018;7(11):895-899.
23. Dasgupta A, Pan T, Paul B, Bandopadhyay L, Mandal S. Quality of life of elderly people in a rural area of West Bengal: A community-based study. *Med J DY Patil Vidyapeeth* 2018;11:527-31.
24. Pan T, Banerjee R, Dasgupta A, Paul B. Vitamin D status among women aged 40 years and above in arural area of West Bengal. A community-based study. *J Family Med Prim Care* 2018;7: 1263-7
25. Paul B, Saha I. Research rating: Some technicalities. *Medical Journal Armed Forces India* November 2018 ; DOI: 10.1016/j.mjafi.2018.09.003

## *Research Work*

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

1. An epidemiological study on bone health status of women aged 40 years and above in a rural area of Singur, West Bengal.
2. An epidemiological study on thyroid dysfunction and its determinants among adult female population residing in a rural area of Singur Block, West Bengal.
3. A community based study on unhealthy cervix and its risk factors among currently married female of reproductive age group of a slum of Kolkata, West Bengal.
4. An epidemiological study on metabolic syndrome and its risk factors among early adults in a ward of Kolkata.
5. A study on fatty liver disease and its determinants in an adult population in a Municipality town of North 24 Parganas, West Bengal.
6. Evaluation of mid-day meal programme with emphasis on food safety measures in upper primary schools of Kolkata.
7. A cross sectional study on determinants of low birth weight among babies delivered in a tertiary care health facility in Kolkata.
8. An epidemiological study on unintended pregnancy and abortion among currently married women of reproductive age group in a rural area of West Bengal.

- **On-going Thesis Work:**

1. A cross-sectional study to assess utilisation of maternal and child health care services under RMNCH+A programme in slums of Kolkata, West Bengal.
2. A study on health related quality of life among rheumatoid arthritis patient attending outpatient department of a tertiary care hospital, Kolkata.
3. A study on knowledge, attitude and practice (KAP) of male barbers regarding blood-borne viral infections and its factor in a block of West Bengal.
4. A study on morbidity pattern and health care seeking behaviour of elderly in a rural community of West Bengal.
5. An epidemiological study on health status of truck drivers in Dankuni area, Hooghly.
6. A study on health status and healthcare seeking behaviour of a scheduled tribe community residing in a municipal area of North 24 Paraganas district in West Bengal.
7. A study on occupational hazards and morbidity profile among garment factory workers in Midnapore district in West Bengal.
8. A study on infertility and quality of life among patients attending gynaecology outpatient department of a tertiary care hospital in Kolkata, West Bengal.

- **Short Studies:**

Thirty four short studies that have been conducted and completed under the guidance of the faculty members are as follows:

1. Study on Feeding Practices and Nutritional Status of Children 0-23 Months of Age Attending Immunization Clinics at Singur, West Bengal.
2. Assessment of Glycaemic Control in Patients with Type 2 Diabetes: a Clinic-Based Study in a Slum of Kolkata.
3. Evaluation of WIFS Programme in Two Rural Schools of Singur: A Mixed Method Study.
4. Pregnancy and Child Care Related Beliefs: A Mixed Method Study in a Rural and Urban Area of West Bengal.
5. A Descriptive Study on Risk Factors of Hypertension Among Females Residing in A Rural Block of West Bengal.
6. A Study on Stress, Anxiety and Their Associated Factors among Lawyers of District Court of Kolkata.
7. Study on Knowledge and Attitude Regarding Induced Abortion among Married Women in an Urban slum Chetla, West Bengal.
8. A Study on Risk Factors of Non Communicable Diseases among Lawyers in Kolkata.
9. Morbidity Pattern and Medication Adherence among Elderly Patients: A Rural Clinic Based Study at Singur, West Bengal
10. A Study on Menstrual Hygiene among Women of Reproductive Age Group in a Slum of Kolkata.
11. Self-Care Practices among Hypertensive Patients: an Urban Clinic Based Study in Kolkata.
12. A Study on Out of Pocket Expenditure of Rural Households in a Rural Area of Singur.
13. A Community Based Study on Menopausal Symptoms and Quality of Life in Postmenopausal Women in a Rural Area of West Bengal.
14. A Study to Assess Nutritional Status of Under-5- Children in a Slum of Kolkata, West Bengal: A Community Based Study.
15. Epidemiological Correlates of Anaemia among Women of Reproductive Age Group in a Slum of Kolkata, WB.
16. A Study on Relationship of Household Food Security with Nutritional Status of Under 5 Children in a Slum of Kolkata.
17. A Study on Morbidity Profile and Associated Factors among Rice Mill Workers in rural block of West Bengal.
18. An Educational Interventional Study on Perception of School Students regarding First Aid Management of some Emergency Conditions in a School of Chetla, West Bengal.
19. A Study on Knowledge and Practices Regarding Handwashing among Mothers of Under-Five Children in Slums of Chetla, West Bengal.

20. A Cross-Sectional Study on Self - Medication Practices among Adults in a Rural Community of West Bengal.
  21. A Study to Assess Health Status and Morbidity Profile of Blind School Students at Two Blind Schools of Kolkata.
  22. Community Perception towards Intensified Pulse Polio Immunization in Post-certification Era: a Mixed-method Study in a High Risk Area of Kolkata, West Bengal.
  23. A Mixed Method Study on Community Perception and Risk Reduction Practices about Dengue, Malaria among Slum Dwellers of Chetla.
  24. A Cross-sectional Study on Perceived Stress and Coping Behaviour among Undergraduate Nursing Students in a District of West Bengal.
  25. A Comparative Study on Environmental Health Risk Perceptions among Adolescent School Children in a Government and a Private School in Kolkata.
  26. A study on frailty and its predictors among elderly in a rural area of West Bengal.
  27. Influence of selected Psychosocial factors on Nutritional status of Adolescent School Children: A cross sectional study in Kolkata.
  28. A study to assess 10 years Cardiovascular Risk using WHO-ISH chart among diabetic and hypertensive patients attending General OPD in a Rural Health Centre of West Bengal.
  29. A study on Nutritional Status of Children below 3 years in a Tribal Area of West Bengal.
  30. A study on Predictors of Planned Duration of Breastfeeding among Postnatal mothers in a Tertiary Care Hospital of Kolkata.
  31. A Study to Assess Body Mass Index and its Association with Child's Eating Behaviour among Primary School Students in a rural Area of West Bengal.
  32. Study to Evaluate Role of Educational Intervention Regarding Tuberculosis among Unregistered Medical Practitioners in a Rural Area of West Bengal.
  33. A Study on Factors Associated with Geriatric Depression in a Slum Area of Kolkata.
  34. A study on Morbidity Pattern and its Associated Factors among Jewellery Workers in a rural Area of West Bengal.
- **Guidance of Research Work by Faculty**
    - Dr. A Dasgupta: Guide of 2 submitted, 2 ongoing and 2 proposed MD(CM) thesis work; 1 submitted and 1 ongoing MPH thesis work.
    - Dr. Lina Bandyopadhyay: Co-guide of 3 submitted, 2 ongoing and 3 proposed MD(CM) thesis work.
    - Dr. Bobby Paul: Co-guide of 2 submitted, and 2 proposed MD(CM) thesis work.

### *Conference/Seminars/Workshop Attended*

- Dr Bobby Paul participated in the “Regional Workshop for Capacity Building on Maternal Death Surveillance and Response and Near Miss Review” held at Guwahati on 8th and 9th February 2018 organized by WHO in technical collaboration with UNICEF and NHSRC.

- Dr S Mandal attended National Conference of Indian Public Health Association IPHACON (9-11 February 2018) at Lucknow
- Dr L Bandyopadhyay, Dr S Mandal and Dr Bobby Paul attended State Conference of Indian Association of Preventive and Social Medicine IAPSMCON (4-5 May 2018) at Sagar Dutta Medical Collage & Hospital, Kolkata
- Dr Aparajita Dasgupta, Dr L Bandyopadhyay, Dr S Mandal and Dr Bobby Paul attended CME programme on 23.06.2018 at Calcutta National Medical College on 'Neglected Tropical Diseases' organised by IPHA.
- Dr Aparajita Dasgupta, Dr S Mandal and Dr Bobby Paul attended CME on Tropical and Infectious diseases on 22nd July 2018 organized by School of Tropical Medicine at Taj Gateway, Kolkata.
- Dr Aparajita Dasgupta, Dr L Bandyopadhyay, Dr S Mandal and Dr Bobby Paul attended CME on Diabetes on 63rd Foundation Day of IPHA at Calcutta National Medical College, Kolkata on 28.09.2018.
- Dr Aparajita Dasgupta attended 9th India Probiotic Symposium at Amity University, Kolkata on 24-25 November 2018.
- Dr A Dasgupta and Dr L Bandyopadhyay attended National Conference of Indian Association of Preventive and Social Medicine IAPSMCON (9 – 11 March 2018) at Pune.

### *Membership of Committees*

- Dr. Bobby Paul, is a member of Academic Cell, Faculty Council, Editorial Board Member of Journal, AIIH&PH and Institutional Ethics Committee of AIIH & PH and IPGMER and SSKM Hospital.
- Dr. Lina Bandyopadhyay is In-Charge of Nutrition Unit and Occupational Health Unit of UHU&TC, Chetla and member of LP Committee, Course Curriculum Committee of GDA and HHA.
- Dr. Shamita Mandal is Chairman of Biometrics Committee, member of Canteen Committee and organizing team member of Vigilance Awareness Day at AIIH&PH.
- Smt Chhaya Chanda is Hony. Secretary of Hygiene Institute Recreation Club, AIIH&PH, Kolkata for the year 2018-19.

### *Examiner*

- **Dr. A. Dasgupta, was**
  - Convener, Examiner and Paper setter for MD (Community Medicine) Examination 2018 (Regular and Supplementary) conducted by WBHUS Kolkata.
  - Moderator for 2 papers of MSW Course of St Xaviers University.

- Question setter of MD(CM) of Sikkim University.
- Adjudicator of 4 Post Graduate Thesis work of MD(CM) students of Srimanta Sankaradeva University of Health Sciences, Guwahati.

### *Training Received*

- Dr. Bobby Paul and Dr Lina Bandyopadhyay received training on “Revised Basic Course on Medical Education” at Calcutta National Medical College from 3rd to 5th September 2018.  
Dr Bobby Paul received training on Leadership, motivation and team building at Institute of Government Accounts and Finance, Kolkata on 11.09.2018.

### *Field Activities/Programme*

- Dr B Paul, Dr S Mandal and 2<sup>nd</sup> and 3<sup>rd</sup> year Junior Residents of MD(CM) course attended Training on National Leprosy Eradication Programme conducted by Regional Leprosy Training and Research Institute, Gauripur from 17.01.2018 to 18.01.2018.
- One-day health camp at Alipore Criminal Court Bar Association premises on 16<sup>th</sup> February, 2018 for 130 lawyers was conducted by Junior Residents
- Health Mela was organized on 21st March 2018 in the premises of Ramanath High School at Ananda Nagar village
- Sensitization programme on menstrual hygiene at Urban field practice area, Chetla on 05/04/18
- School Health Camp at a Private Secondary School (Upasana Academy) in Behala, South 24 Pgs was organized and health check-up was done.
- A health check-up camp was organized at a tribal area of Baharampur for under five children on 31<sup>st</sup> May and 1<sup>st</sup> June 2018
- Sensitization programme regarding RNTCP Updates and Notification among the Rural Medical Practitioners was organized on 29.06.2018 at RHU&TC, Singur.
- Junior Residents were involved as external monitors in monitoring IPPI Programme in 3 phases 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
- Health Check-up camp and awareness programme was organised by 2<sup>nd</sup> year JRs on ‘Importance of Healthy Eating Habits of Children for a Future Healthy Life’ among parents of primary school students on 06.07.2018 at Dakshin Damodar Academy, Indas block, Bankura and on 07.07.2018 at Indas High School, Indas, Bankura, West Bengal.
- Sensitization Programme on first aid & home based emergency management was conducted on 12.07.2018 at Kailash Vidyamandir School in Chetla for 215 school students.
- Two health check-up camps with awareness drive on “Importance of Personal Hygiene and Healthy Life Style’ were organized at Calcutta Blind School, Behala, Kolkata on 18<sup>th</sup> July and Lighthouse for the Blind, Tollygunge on 20<sup>th</sup> July for a total of 210 visually challenged

students and FGD among parents of the children was done to elicit their perceived stigma in the society.

- Sensitization Programme on Capacity Building of Field Level Health Personnel on Prevention of Non-Communicable Diseases was organized on 30th and 31st July 2018 at UHU&TC, Chetla for health workers of CINI, a non-government organization (NGO) attended the programme.
- Two Health check-up camps was organised at a Jewellery Factory in Singur on 25.08.2018 and 12.09.2018 for jewellery workers at Dewanbheri, Singur.
- Two health check-up camps were organized on 24.08.2018 and 18.08.2018 at two Rice Mills for Rice mill workers in Indas, Bankura, West Bengal.
- An awareness programme on Hand Hygiene as a part of Swachh Bharat Awareness Mission was conducted at Dharmadas Trust School through videos and demonstration in collaboration with PHA Department and UHU&TC, Chetla on 28.09.2018.
- A Rally for Swachh Bharat Awareness Mission was conducted in Chetla service area on 01.10.2018 from 11 AM to 1 PM with students, staff and faculties in collaboration with PHA Department and UHU&TC, Chetla.
- School Health Programme on “Importance of Balanced Diet and Physical Activity among School children” was conducted at Abhinav Bharati School, Kolkata for 425 school students along with health check-up camp on 03.10.2018.
- Organized Observation of Rashriya Ekta Diwas on 31.10.2018 at Auditorium of Main Campus, AIHPH, Kolkata.
- Observation of World Diabetes Day at RHU&TC Singur among nursing students of HC Memorial Nursing School and nursing staff of RHU&TC Singur was organized on 16.11.2018.

### *Achievements*

#### • Awards

- Dr. Shobhit Garg, Dr. Tania Pan, Dr. Munu Mohanta were the 2nd Runner Up team at National level Quiz IAPSMCON 2018
- Dr Shobhit Garg was awarded PC Sen Best Paper Award on ‘Rural Health Practice’ at IPHACON 2018.
- Dr. Swanyaprabha Maharana was awarded- SD Gaur Best Paper Award on ‘Environmental Health Practice’ at IPHACON 2018
- Dr. Tania Pan was awarded 2<sup>nd</sup> Prize for poster presentation in Professor Ranadeb Biswas Memorial Poster Competition in State Conference of IAPSMCON (4-5 May 2018).
- Dr. Nivedita Roy Chowdhury was awarded 3<sup>rd</sup> Prize for poster presentation in Professor Ranadeb Biswas Memorial Poster Competition in State Conference of IAPSMCON (4-5 May 2018).
- The team of Dr. Tania Pan and Dr Soumit Roy was awarded 1<sup>st</sup> Prize at State level PG Quiz Competition held at State Conference of IAPSMCON (4-5 May 2018).

### *Other Special Activities Performed:*

- **Dr A Dasgupta**

- Secretary, Board of Studies (Community Medicine) at WBUHS.
- Participated as an expert in a workshop of “Experts Group Meeting” on 8th and 9th October 2018 for Standardization of Training Material for Training Course on Management of Public Health Emergencies for District Health Officers” at NIH & FW, New Delhi.

- **Dr Lina Bandyopadhyay**

- Team leader of Central Team of Emergency Medical Response for H5N1 Avian Influenza outbreak in Paradip, Odisha from 24rd February to 6th March 2018.
- Chairperson of e-Poster Session on Health Education and Communication at 45th National Conference of Indian Association of Preventive and Social Medicine IAPSMCON (9 – 11th March 2018) in Pune.
- Participated as facilitator in a sensitization programme titled “Awareness, Prevention and control of Breast, Cervical and Oral Cancer among women” at Bishnupur Block II, South 24 Paraganas on 03.10.2018 conducted by Ram Krishna Sarada Mission, Matribhawan, Kolkata.
- Speaker on ‘Fatty Liver and Public Health Concerns’ in National Conference of AMWI, 2018 on 18.11.2018

- **Dr Bobby Paul**

- Presentation of two lectures, i.e., Operations Research Framework and Ethics in Operations Research in Workshop on Operations Research at Sagore Dutta Medical College, West Bengal on 12th April 2018 organized by IAPSM, West Bengal Chapter.
- Presentation on Publication Technicalities at a CME organized by Bengal Urological Society at Hotel Park Prime on 28th April 2018.
- Conducted interview for appointment of District Level Epidemiologists as a Member of selection Committee of IDSP at Swasthya Bhavan on 27th and 28th June 2018.
- Speaker in Workshop on “Capacity Building of Review of Scientific Publications” on Publication, Reviewer and Journal Metrics at All India Institute of Hygiene and Public Health, Kolkata on 20th July 2018.
- Speaker in CME Programme at All India Institute of Hygiene and Public Health, Kolkata on 3rd August 2018 on “Updates on Maternal Death Surveillance and Response and Maternal Near Miss”.
- Participated in the Regional Consultation on Non-Communicable Diseases (NCDs) for Eastern Region on the theme Meaningful Engagement of People Living with NCDs at Bose Institute, Kolkata, on September 7<sup>th</sup> 2018.

- Delivered speech on Swachh Bharat Abhiyan at Inaugural Ceremony on 28<sup>th</sup> September 2018 and acted as Judge on 29<sup>th</sup> September 2018 at the Regional Level 26<sup>th</sup> National Children Science Congress at Kendriya Vidyalaya, Ballygunge.
- **Dr Shamita Mandal**
  - Presentation of an article titled "New Rules and Strategies to improve BMW Management in West Bengal" in the National Seminar on Waste Management of Local Self Government (Municipality and Panchayat) on 17<sup>th</sup> March 2018, jointly organised by Pally Sangathan Bibhaga, Visva-Bharati & Institution of Public Health Engineers, India in the PSB Community Hall, Palli Siksha Bhavana, Visva-bharati, Sriniketan, West Bengal.

### *Some Photographs of Our Activities*



**Sensitization programme on menstrual hygiene at UHU & TC, Chetla (5<sup>th</sup> April 2018)**



**Junior Resident conducting Pulmonary Function Test at a Health checkup camp at a Jewellery Factory on 25.08.2018 at Dewanbheri, Singur.**



**Final presentation of Family care Programme at UHU&TC, Chetla on 28.09.2018**



**School Health Programme on “Importance of Balanced Diet and Physical Activity among School children” along with health check up camp on 03.10.2018 at Abhinav Bharati School, Kolkata**

## 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 making, health management, system analysis, operational research, health sector reforms, etc. Besides, providing inputs to all regular courses, the Department conducts a Diploma course in Public Health (DPH) for medical graduates that happens to be the oldest of its kind in India. The DPH course was set up in 1932 to develop much needed public health professionals trained in planning, implementation and management of public health programmes for the rapidly expanding health services in the country and abroad.

The department, since its inception, has been involved in various research studies in health system delivery, time motion studies, risks factor studies in all areas including remote tribal areas.

Besides the DPH course, the Department of Public Health Administration is also coordinating the Core course programme of the Institute that includes MD (Community Medicine), MPH (Epidemiology), Diploma in Maternity & Child Welfare (DMCW), Diploma in Industrial Health (DIH) and Master in Veterinary Public Health (MVPH) courses.

Admission to DPH Course is through all India & State Entrance Examination.

### *Career opportunities*

After obtaining DPH, candidates may be absorbed as:

- General Duty Medical Officer in Government service or Government Undertakings;
- Medical Officer in West Bengal Public Health cum Administrative service;
- Public Health Specialist in Central Health Service;
- Public Health Expert in national and international NGOs including WHO, UNICEF etc.;
- A basic teacher (Demonstrator) in Community Medicine in Medical Colleges;
- A Researcher in Govt. aided organizations;

After obtaining DPH Diploma, a candidate may get one year exemption if selected in MD (Community Medicine) in WBUHS.

### *Teaching Activities*

- **Regular Courses Conducted:**

- Two year full time diploma course named Diploma in Public Health (DPH) recognized by MCI & affiliated to WBUHS.

- **Short Courses/Trainings Conducted:**

- Short certificate course on Public Health for Medical Graduates of all system conducted from 26<sup>th</sup> to 30<sup>th</sup> November 2018. Twenty two candidates from all over India participated in the training programme.

### *Other Regular Activity*

- Seminar, Journal club already 11 seminar conducted till November 2018

- **Awareness Programme**

Department of PHA has conducted many awareness programme in rural and urban areas as follows:

- Awareness on personal and oral hygiene among school children in Singur on 08.05.2018
- Awareness on Swacch Bharat Programme among MTS and Safaiwala in Main Campus AIH&PH on 25<sup>th</sup> September 2018
- Awareness about Swacch Bharat Programme among School Children in Dharamdas trust school near RB Avenue on 28.09.2018.

- **Special Programme**

- Debate on topic “Automobile pollution A new Tobacco” on 02.08.2018.
- Discussion on Elimination of Gender Discrimination “Beti Bacho, Beti Parao” on 04.09.2018.

- **Field activities**

Collaborating with Department of Sanitary Engineering:

- Visit to Biomedical Waste Management Plant, Howrah.
- Visit to Water Treatment Plant in Uttar Para, Hooghly.
- Visit to Water Treatment Plant in Kalyani, Nadia.

By department of PHA:

- Visit to ROHC (Occupational Health), Salt Lake.
- Visit to Netaji Subhash Chandra Bose Airport Kolkata

- **Academic field visits**

- Field academic programs (at UHU&TC, Chetla and RHU&TC, Singur);
- Guiding Short study (Supervised Field training);
- PHA actively involved in Community Diagnosis Programme conducted by Department of Epidemiology.

## *New Initiative*

Department of PHA submitted a proposal for conducting regular degree Course MD (Community Health Administration) to Director for Ministry's Approval.

## *Collaboration*

- Collaborative programme initiated with Regional Occupational Health Centre (ROHC) for student visit and research programme.

## *Faculty*



Dr. N. N. Naskar  
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## *Other Members*

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

## *Publications*

### • Published

- Bijit Biswas, **Narendra Nath Naskar**, Rivu Basu, Aparajita Dasgupta, Bobby Paul, Keya Basu Knowledge of the Caregivers of Thalassaemic Children Regarding Thalassaemia: A Cross-sectional Study in a Tertiary Care Health Facility of Eastern India. Iraqi Journal of Haematology Volume 7, Issue 2, July December 2018.
- Anand Kishore, Tania Pan, **Narendra Nath Naskar** Study on knowledge and practice regarding no scalpel vasectomy (NSV) among male members of eligible couples in a rural community of West Bengal, India International Journal of Reproduction, Contraception, Obstetrics and Gynaecology. Int J Reprod Contracept Obstet Gynecol. 2018 Aug;7(8):3294-3298.

- **Sadhukhan SK.** Assessment of the Reasons for Specialization in Public Health among Students of All India Institute of Hygiene & Public Health, Kolkata. *J Comprehensive Health* .2018; 6(1): page no 19-22.
- **Sadhukhan SK.** A Rural Community based study on Morbidity, Health care Utilization and Health Expenditure in Tarakeswar Block, Hoogly District, West Bengal. *J Comprehensive Health* .2018; 6(2): 90-96.
- **Datta S, Lahiri O** - The Current Scenario Of HIV/AIDS In India: *International Journal of Microbiology and Infectious Diseases* .2018;2(2):1-3.
- **Datta S** - Nipah Virus: A threat for India at Present: *Infect Dis Prev Control* 2018, 1:1 DOI: 10.4172/IDPC.1000e101 June 2018.
- **Datta S** - Association of sociodemographic variables with TB HIV co infection among the patients attending a Tertiary Care Hospital in Kolkata, West Bengal, India: Conference proceedings of *Clinical Journal of AIDS Research*. Dec 2017.
- **Datta S** - Current Status of HIV/AIDS In India and the activities of the National AIDS Control Programme. Conference proceeding of *Clinical Journal of AIDS Research*. Dec 2017.

### *Research Work*

- **Dr. N.N. Naskar acted as guide to the following Curricular Research studies**
  - A Cross sectional study on clinic Social Profile and Quality of Life of Thalassaemia Children attending a tertiary care hospital in Kolkata West Bengal (MD Dissertation).
  - An Epidemiological Study on Metabolic Syndrome among adult aged between 18 years to 49 years in a ward of Kolkata (MD Dissertation)
  - An Epidemiological Study on Health Status of Truck Drivers in Dankuni, Hooghly, West Bengal (MD Dissertation).
  - A cross sectional Study on Knowledge Regarding No Scalpel Vasectomy (NSV) among Rural Married Men in West Bengal: A Community Based Study (DPH)
  - A Study of Nutritional Status and Current practice of Personal Hygiene among Fishing community of Barrackpore block area in West Bengal (MSc Nutrition)
  - A study on Drug compliance of Diagnosed TB Patients in a Block of West Bengal (MD)
  - A cross sectional Study on Depression among Students of a Post graduate Public Health Institute in Kolkata (DPH)
- **Dr. S. K. Sadhukhan acted as guide to the following Curricular Research studies:**

**By AIHH&PH Students:**

  - Study on Low Birth Weight and its Determinants in a Tertiary Care Centre, Kolkata.
  - Occupational hazards and morbidity of Garment Factory Workers of East Midnapur district, WB
  - Validation of Indian Diabetic Score in a Rural Community of West Bengal.

- Assessment of Immunization Coverage in a Slum of Kolkata.
- Assessment of KAP on NSV in a rural community of West Bengal.
- A Cross sectional study on Depression among Students of a Post graduate Public Health Institute in Kolkata.
- Nutritional status of post-menopausal women in an urban community of West Bengal.
- A study on Knowledge and Practices of Cooking and Hygiene among Anganwadi Workers and Helpers of Bardhaman Municipality ICDS, Purba Bardhaman District, West Bengal.
- Empowerment and Pain among chronic pain patients in a hospital.
- Morbidity & Nutritional status of Book vendors and food vendors of College Street, Kolkata, West Bengal.

**By Students [MD(CM) students of hospitals of Govt. of West Bengal and UP]/ Officers outside AIHH&PH:**

- Prevalence and risk factors of Intestinal Parasitic Infestation among children aged 6-12 years in a rural community of Bareilly District, Uttar Pradesh.
  - An Epidemiological Study on Malnutrition among School Going Children of Bareilly District, Uttar Pradesh.
  - A Study on Additive Analgesic Effect of Flupirtine Maleate, Tramadol Hydrochloride and Paracetamol for Induced Pain in Mice
  - Study on Risk Factor of NCDs with special focus on CVDs and Diabetes prevailing among the employees in NSCBI Airport Kolkata
  - Medical Comorbidity, Drug Use and Medication Management Perspective among the Geriatric Population and its effect on their quality of life: A study from urban communities of Kolkata.
  - Assessment of Hepatitis in a Rural & Urban community of West Bengal.
- **Dr. Shibani Datta acted as guide to the following Curricular Research studies:**
    - A study on diabetes and its associated factors among the slum population in urban slum of Chetla.
    - A study on Depression and its associated factors among the geriatric population in a rural community of Singur Block, Hooghly District, West Bengal.
    - Study of fatty liver disease and its association in a Municipal Town of North 24 Pgs , West Bengal.
    - A study on prevalence of infertility and its causes in a rural area of West Bengal, India
    - A study on TB and HIV co infection in a Tertiary care facility in Kolkata, India.

### *Conference/Workshop/Seminars attended*

- Professor N N Naskar attended 45<sup>th</sup> Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSM), held in Pune from 8-11<sup>th</sup> March, 2018 (including pre-con CME)
  - Attended Pre-conference CME on “Home Based Detection of Food Adulteration: Hands-on Training”
  - Presented oral paper entitled “A Study on refractive error of school children in Borsul Block Burdwan, West Bengal” and the paper was selected the best paper in the hall.
- Professor N N Naskar attended 34<sup>rd</sup> Annual State Conference of Indian Association of Preventive and Social Medicine (IAPSM), West Bengal Chapter, held at CMSDH, Kamarhati, Kolkata on 4-5<sup>th</sup> May 2018 and chaired one session of paper presentation on Diabetics in Rural area.
- Dr. S. K. Sadhukhan attended 45<sup>th</sup> Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSM), held in Pune from 8-11<sup>th</sup> March, 2018 (including pre-con CME)
  - Attended Pre-conference CME on “Home Based Detection of Food Adulteration: Hands-on Training”
  - Presented oral paper entitled “A Study on Assessment of Mass Drug Administration (MDA) for Elimination of Filariasis in ‘Tribal’ Blocks of Bankura District, West Bengal” in “Vijay Narain Award Session”.
- Prof S Datta attended the 9<sup>th</sup> India Probiotic Symposium held in Amity University, Kolkata 24<sup>th</sup>-25<sup>th</sup> Nov 2018.
- Prof S Datta attended the foundation day of IPHA celebrated at National Medical College on 28<sup>th</sup> Sept 2018 and chaired one scientific session.

### *Project Work & Special Study*

- Dr. S. K. Sadhukhan is conducting ‘Study on Assessment of the Reasons for Specialization in Public Health among Students of All India Institute of Hygiene & Public Health, Kolkata’ (ongoing study).

### *Membership of Committees*

- **Participation of Dr. N. N. Naskar in different Committees:**
  - Member, Library Committee;
  - Member, Anti-ragging Committee of AIHH&PH;
  - Stand by member, Academic Cell of Institute;
  - Standing Member Scientific Advisory Committee.

- **Participation of Dr. S. K. Sadhukhan different Committees:**
  - Member, Document Verification Committee (to verify the documents of newly admitted students of all courses);
  - Member, Screening for Appointment on Compassionate Ground;
  - Member, Vehicle Committee;
  - Member, IT Capacity Building Committee;
  - Member, Training Cell;
  - Member, E-Journal Management Committee;
  - Member, Editorial Board of IJPH&H;
  - Member Secretary, Medical & PH Education Unit;
  - Member Secretary, Reception Committee, Foundation Day Celebration 2018;
  - Member Secretary, Apron Committee.
- **Participation of Dr. S. Dutta in the following committees:**
  - Member of Editorial board of IJPH&H;
  - Alternate CPIO of the Institute;
  - Central Nodal officer of Online Counselling for admission of PG Diploma/Degree Course of All India Quota seats;
  - Member of Committee for articles published in institute E-journal.

### *Examiners*

- **Dr. N. N. Naskar, Professor & Head, acted as**
  - Examiner of DHPE Examinations conducted by WBUHS;
  - Examiner of Dip Diet Examinations conducted by WBUHS;
  - Examiner of DPH Examination conducted by WBUHS.
  - Convener DPH Examination conducted by WBUHS.
- **Dr. S. K. Sadhukhan, Professor, acted as**
  - Paper setter of DPH & M. Sc. (Applied Nutrition) Examinations conducted by WBUHS.
- **Dr. S. Datta, Professor, acted as**
  - Paper setter and examiner for DHS Examinations conducted by WBUHS;
  - Scrutinizer of DPH Final Examinations conducted by WBUHS.

## *Training Received / Conducted*

- **Dr. N. N. Naskar, Director Professor & Head**
  - Attended training program “User awareness program on ERMED consortium” in AIIH&PH, Kolkata on 16-05-18 organized by dept. of Library, AIIH&PH
  - Attended workshop on “Critical Review of Scientific Publications” held in AIIH&PH on 20-07-18 organized by IJH&PH, AIIH&PH, Kolkata-73.
- **Dr. S. K. Sadhukhan, Professor**
  - Attended training program “User awareness program on ERMED consortium” in AIIH&PH, Kolkata on 16-05-18 organized by dept. of Library, AIIH&PH;
  - Attended workshop on “Critical Review of Scientific Publications” held in AIIH&PH on 20-07-18 organized by IJH&PH, AIIH&PH, Kolkata-73;
  - Attended “National Workshop on Basics of Health Economics for Medical Professionals” from 17-20th September, 2018 held at Swasthya Bhawan, Salt Lake, Kolkata-91.
- **Dr. S. Datta Professor**
  - Attended training program “User awareness program on ERMED consortium” in AIIH&PH, Kolkata on 16-05-18 organized by dept. of Library, AIIH&PH.
  - Attended workshop on “Critical Review of Scientific Publications” held in AIIH&PH on 20-07-18 organized by IJH&PH, AIIH&PH, Kolkata-73.

## *Other Activities*

- **Dr. N. N. Naskar**
  - Delivered Guest lectures on two times in refreshers course for medical officers in Regional labour Institute Kolkata.
- **Prof. S. K. Sadhukhan**
  - Acted as Resource person (& Convener) for the workshop on “Operations Research in Public Health” held in College of Medicine & Sagar Dutta Hospital, Kolkata on 12-04-2018 in collaboration with IAPSM, West Bengal chapter.
  - Assistant Managing Editor of Indian Journal of Hygiene & Public Health.
  - Nodal Officers:
    - For Digital Mission Mode Project by Medical Council of India (DMPP-MCI) in AIIH&PH, Kolkata.
    - For “National Identification Number (NIN) for Health facilities” project of govt. of India in AIIH&PH, Kolkata.
  - Done EMR duty (as part of Central RRT) in Sehore district, Madhya Pradesh from 02-11-2018 to 16-11-2018 for outbreak of Zika virus infection.
  - Review of Scientific articles – reviewed 12 (twelve) scientific article for various journals (IJPH, IJH&PH, JCH)

- **Dr. S. Datta, Professor**

- Delivered lecture on universal health coverage on world health day in the Institute.
- Delivered a lecture on Awareness regarding gynaecological Health Issues at Bijoykrishna Girls College in Howrah.
- Delivered two lectures on Human Resource Management and Material Management in a short course “Orientation course on Public Health for Medical Graduates” organized by Dept. of PHA, AIHH&PH, Kolkata.
- Nominated as the organising committee member of SCON International Conference of HIV/AIDS to be held in Las Vegas, USA in Dec 2018.
- Nominated as the editor of Journal of Infectious Diseases: Prevention and Control, USA.
- Felicitated as chief guest on the occasion of International Women’s Day at Bijoykrishna Girls College in Howrah.
- Editorial Board Member of the following Journals:
  - International Journal of Community Medicine and Health Care.
  - International Journal of Diabetes Case Reports.
  - Indian Journal of Hygiene and Public Health.
  - International Journal of Infectious Diseases: Prevention and Control.
- Reviewed paper from
  - Microbiology Research Journal International;
  - British Journal of Social Sciences, Education and Behaviour.

### *Achievements:*

- The department of PHA successfully conducted 4th time short all India training course on Orientation course on Public Health for the Medical graduates
- Dr. N N Naskar has presented paper in National Conference IAPSMCON 2018 in Pune and the paper selected the best paper in particular hall.
- Professor N N Naskar also was invited as a theme speaker in Green tech National Occupational Health & Safety Conference in Guwahati in November 2018 and was highly appreciated by the organiser and the participants
- Prof S Datta has been selected as the editor of International Journal of Infectious Diseases : Prevention and Control . USA
- Prof S Datta authored a book Diabetic research some facts and figures which is published by the scholars press Germany .

### *Other Special Activities*

- Department of PHA has conducted awareness programme on Personal & Oral Hygiene for School Children in May 2017.
- The World Health Day 2017 was successfully conducted by Department of PHA in April 2017.
- The department conducted successfully orientation course on Public Health for the Medical Graduate outside the Institute in November 2017.
- Book authored by Prof S Datta Diabetic Research: Some facts and figures is published by the scholars press in Germany, July 2018.

### *Other Special Activities*

- Department of PHA conducted debate and discussion on various issues of National Importance involving Core Course PGT.

### *Some Photographs of Our Activities*



**Professor S Datta is delivering lecture in World Health Day 2018**



**Orientation Course on Public Health: Trainee at Singur for field exercise**



**Orientation Course on Public Health for Medical Graduates 2018**



**Awareness Programme on Personal & Oral Hygiene in Dearah Primary School Singur Hooghly**



**Swachh Bharat Rally in Slum area of Chetla UHUTC**



**Dr. S. K. Sadhukhan in EMR Duty at Sehore District, Madhya Pradesh**



**Prof Shibani Datta is being felicitated on the occasion of International Womens Day**



**Professor N N Naskar presenting paper as Theme Speaker in Genentech Occupational Health & Safety conference Guwahati in November 2018**

## 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 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, 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.

### *Teaching Activities:*

- Department conducted one-day Skill Based First Responder training for students of different courses of the institute and others.
- Faculty acted as resource person for different skill based training courses conducted by other departments of the institute e.g. Sanitary Inspector skill training course, Diabetic Educator skill training course and Dietetic Assistant skill training course.

### *New Initiatives*

- Proposal for M.Sc. Nursing (Community Health Nursing) course has been sent to DGHS, MoH & FW, Govt. of India, which is currently under active consideration.

### *Other activities*

- Organised orientation training on 'Cancer' for ICDS Functionaries and Panchayat members of Singur block of Hooghly district at RHU & TC, Singur (05.02.2018).
- Organized awareness programme on Mental Health through a Panel Discussion on "Young People and Mental Health in a Changing World" on 10th October, 2018 (World Mental Health Day – 10.10.2018).
- Orientation to community health nursing to 1st year M.Sc. nursing students of Regional College of Nursing, Guwahati who visited AIHH & PH, Kolkata on 24.07.2018.
- Developed M.Sc. Nursing (Community Health Nursing) course proposal and sent to DGHS, MoH & FW, Govt. of India, which is currently under active consideration.
- Mrs. Uma Chatterjee, Sister Tutor, validated curricular research tools of a total of six (6) 1st year M.Sc. Nursing students of College of Nursing, NRS Medical College, Kolkata and College of Nursing, SSKM Hospital, Kolkata.

## Faculty



Dr. R. N. Sinha  
Dir. Professor & In-Charge  
M.B.B.S., D.C.H.,  
M.D.(SPM)

E-mail: aiihphmch1931@yahoo.co.in

Mobile No.: 94331 01001

Area of Expertise: RCH/ MCH, Research  
Methodology, Nutrition, Adolescent Health.



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

E-mail : uma\_chtrj@yahoo.com

Mobile No. : 85848 57370

Area of Expertise: Community Health  
Nursing, Teaching.

**Other Members:** Stenographer (shared with dept. of PSM) – 1, MTS – 1.

## Conference/Seminars/Workshop Attended

- **Smt. Uma Chatterjee, Sister Tutor**

- participated in the 62<sup>nd</sup> IPHA annual conference at Lucknow (09 –11 February 2018);
- Attended CME on Zoonoses at BN Campus on 12.07.2018;
- Attended Workshop on Scientific Publication at A.I.I.H. & P.H. on 20.07.2018.

## Membership of Committees

- **Mrs. Uma Chatterjee**

- Member of Certificate Verification Committee of AIIH&PH;
- Member of Ethics Committee of AIIH&PH;
- Member Secretary for Course Committee on Skill Based First Responder course, General Duty Assistant Course and Home Health Aide course of AIIH&PH
- Member, Indian Journal of Hygiene & Public Health
- Member of Foundation Day of AIIH & PH – Refreshment Committee & Decoration Committee.

## Field Activities/Programmes Undertaken

- Mrs. Uma Chatterjee, Sister Tutor coordinated, supervised and guided field training programmes at UHU&TC, Chetla and RHU&TC, Singur for M. Sc. (Nursing) students of University College of Nursing, Faridkot, Punjab; College of Nursing, PGIMER, Chandigarh and College of Nursing, AIIMS (Jodhpur).
- Mrs Uma Chatterjee, Sister Tutor acted as resource person for DHPE students visit to Durbar Mahila Samanwaya Committee, an organisation of about 65,000 sex workers at Kolkata.

## Achievements

- A total of ninety six (96) participants were provided Skill Based First Responder Training on 19.03.2018, 22.03.2018 and 27.03.2018.

## *Some Photographs of Our Activities*



**Orientation Training on "Cancer" for ICDS Functionaries and Panchayat members**



**Skill Based First Responder training**



**Panel Discussion on World Mental Health Day**

## 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, KMW&SA, in West Bengal and PHEDs of different Eastern & north Eastern states and also the NGOs 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. It had also organised awareness and motivation campaigns and worked on community based projects to mitigate Arsenic pollution in West Bengal. The department has prepared a master plan of solid waste management of Howrah district and of New Town, Rajarhat. It had also prepared a master plan of Biomedical Waste Management and solid waste management of Rourkela steel plant.

### *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 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. The first batch of this course has commenced from March 2018. The teaching is done by faculty of this institute as well as guest faculty of repute in the field of sanitation. Apart from teaching in this Institute, educational visits have been conducted for students in various institutions like Uttarpara-Kotrung Municipality, Konnagar Municipality, Public Health Engineering plant for water treatment in Kalyani, Bio Medical Waste management plant etc.

Department contributes to different courses run by the other departments of the Institute, e.g., MD(CM), MPH (Epidemiology), DPHM, DPH, DHPE, DHS, Dip. Diet & M.Sc. Nutrition.

**Field Programmes-** The Department has conducted many visits for practical demonstration purpose of the Sanitary Health Inspector students. The students of the Core Course (MD, DPH, MPH, MVPH) has also joined the Sanitary Health Inspector students in a few visits.

**Swachh Bharat Mission Activities-** Apart from undertaking special Swachhata drive in the Department, this Department had conducted a seminar on Swachh Bharat Mission on 01.10.18. The students of the SHI Course participated in the Seminar along with the faculties of the department

## 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. Debashis Dutt, Director Professor of Public Health and Head, Department of Epidemiology is holding additional charge of the Head of the Department since 29<sup>th</sup> November 2015.



Dr. Debashis Dutt  
Head of the Department  
(Additional Charge)  
MBBS, MD

E-mail: dutta29@gmail.com

Mobile No.: 9433193137

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



Dr. Subodh Ranjan Karmakar,  
Advisor (Public Health)  
MBBS, DPH, MD

E-mail: onkarchatto@gmail.com

Mobile No.: 7439420689

Area of expertise: Preventive & Social Medicine.



Dr Dipankar Dasgupta  
CMO  
MBBS, DLO.

E-mail: dipjal@gmail.com

Mobile No.: 9874969028

Area of expertise: Clinical Medicine, ENT.

## Other Members

Designation	Number	Activities Performed
Research Assistant	1	Laboratory analysis work
Chemist	0	Laboratory analysis work
Technician	1	Laboratory analysis work
Lab. Assistant	1	Assisting in lab work
Draftsman	2	Engg. Drafting
Lab. Attendant (MTS)	2	Support Service
MTS	1	Support Service

## Publications

- Dan Amitabha, Chattopadhyay O, Pasi Achhelal, Dasgupta Dipankar, Barman Lina – Immunisation Coverage Evaluation by Secondary Data Analysis at Rural Health Unit and Training Centre, Singur in Hooghly district of West Bengal- Indian Journal of Hygiene and Public Health- Volume 3 , Issue 1, June 2017.

## Trainings attended

- Dr Dipankar Dasgupta, CMO attended training on Procurement in National Institute of Financial Management, Faridabad from 4th December to 9th December 2017.

- Shri Tapan Rakshit, Research Assistant and Smt. Aparna Banerjee, Technician attended the Training Programme on Testing of Faecal Waste organised by Centre for Science & Environment, India at New Delhi from 18th December to 22<sup>nd</sup> December, 2017.

### *Other Special Activities*

- The Dept. of Sanitary Engineering provides services of water analysis to various Govt. organisation and NGOs.
- In this year, 976 parameters in 142 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.
- Dr Dipankar Dasgupta is working as DDO of Bidhan Nagar Campus.

### *Membership of Committees*

Dr Dipankar Dasgupta has acted as a member of the following committees:

- Medical Education and Public Health Unit;
- Different Fact Finding Committees;
- Enquiry Committee.

### *Conference*

- Dr Subodh Ranjan Karmakar, Advisor (Public Health) attended 62<sup>nd</sup> Annual National Conference of Indian Public Health Association (IPHACON 62) at King George's Medical University in Lucknow, Uttar Pradesh India from 09.02.2018 to 11.02.2018.

### *EMR Duty*

- Dr Subodh Ranjan Karmakar, Advisor (Public Health) attended EMR duty as member Central Rapid response team for Avian influenza at Bangalore, Karnataka from 05.01.18 to 20.01.18
- Dr Subodh Ranjan Karmakar, Advisor (Public Health) attended EMR duty as member Central Rapid response team for Avian influenza at Aleppy District, Kerala for post flood state in Kerala from 05.01.2018 to 20.01.2018.

## *Some Photographs of Our Activities*



**Visit at Waste Treatment Plant under Konnagar Municipality**



**Visit at Solid Waste Management Plant under UttarparaKotrung Municipality**



**Seminar on Swachhh Bharat Mission on 01.10.18.**

## STATISTICS

### *Introduction*

Ever since its inception, the All India Institute of Hygiene and Public Health has been aware of the importance of statistics in the field of public health and as such the section of Vital Statistics and Epidemiology was one of the sections to be established in the beginning. 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). 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. The Department has been engaged in imparting training on statistical tools and methodologies to the students of various postgraduate degree and diploma courses run by the Institute and in supporting statistical surveys, special studies and research activities undertaken by the Institute. DOS has been also assisting the students and researchers of this Institute in planning and designing of surveys on public health and related data analysis. It has been undertaking data processing, tabulation and preparation of reports on its in-house computer systems.

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.

Prof. P.V. Sukhatme, the noted statistician in whose name we have Prof. P.V. Shukhatme Award for “Outstanding and Meritorious Research Work in Statistics” served the Institute in 1939-40. In 1944-45, the first general health survey was conducted in the country by the Institute in 68 villages of West Bengal under its service jurisdiction. Dr. K.K. Mathen, Professor of the Department of Statistics in the Institute made several notable contributions which included the technical report on “sampling methods in morbidity surveys and public health” under the aegis of WHO in 1966 and “development of statistical test for infectious diseases”. Prof. C. Chandrasekaran, the well-known demographer and statistician, served the Institute from 1941 to 1948 and from 1954 to 1958. Chandra-Deming formula jointly developed by him with W. E. Deming in 1949 for estimating the number of vital events by comparing results from two different systems is still used. Prof. Chandrasekaran and Prof. Mathen had developed a deep association with the United Nations, W.H.O., etc. for significant contributions in their field of expertise. The first comprehensive survey instruments for a field survey on public health issues were developed by the Department in 1966.

### *Teaching Activities*

- **Regular Courses Conducted**

- **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

- **Regular Activities**

- Departmental faculty take regular theory and practical classes of the Post Graduate students, e.g., Core Course [comprising MPH (Epidemiology), MD (Community Medicine), DPH, MVPH], PGDPHM, DHPE, MSc (Applied Nutrition), Dip-Diet etc.
- Faculties of the department guide the students of other departments in data handling with statistical applications.

- **Short Courses/Trainings Conducted**

- The department conducts various short courses on the use of statistical methods and application of data handling packages such as Excel, Access, SPSS, etc. It also conducts training on the use of IT for different user groups.
- The department conducted a three-day workshop on 'Basic SPSS and Epi-info' for the students of MPH (Epidemiology) of 2016-2019 and 2017-2020 batches during 8-10 August, 2018.

- **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.

### *New Initiatives*

- **Effort for converting the Department of Statistics in AIH&PH, Kolkata into the Department of Statistics & Health Informatics**

- In view of the latest changes in the field of public health, statistics and information technology, the necessity for revamping the Department of Statistics was felt and accordingly, the proposal for converting the Department of Statistics in AIH&PH, Kolkata into the Department of Statistics & Health Informatics had been submitted. The issue was also taken-up with the higher officers in DGHS as well as MOH&FW and accordingly the Course curriculum for new courses under the Department of Statistics and Health Informatics are to be formulated in consultation with the West Bengal University of Health Sciences.

- **Supplying information and inculcating awareness for Introduction of Standardization of procedures in the Institute**

- The department actively pursued the issue of standardization of different procedures in the area of administration, health services, manpower management, education, etc. and accordingly proper guidance and appropriate assistance were made available through different instruments like discussion with experts, initiation of proposals, etc.

- **Revamping and maintenance of the Website of the Institute**

- In order to increase the interaction of the public and relevant target groups with the website of the Institute, the website needed to be revamped and continuously upgraded

for providing information to all stakeholders related to the AIHH&PH. In line with the instructions of the Ministry of Health & Family Welfare, necessary actions have been taken up. Security audit of the website and the issue of GIGW compliance has been taken up with the appropriate authority.

### Faculty



Shri Amitjyoti Roy, ISS  
Director-Professor & Head  
(From 29.10.2018)  
M. Stat

**E-mail:** amitjray@gmail.com  
**Mobile No.:** 90076 96036  
**Area of expertise:** Large Scale Data Processing, Survey Methodology, Statistical Applications, software packages, programming, etc.



Dr. Bivas Chaudhuri, ISS  
Director-Professor & Head  
(Up to 29.10.2018)  
Ph.D.

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**Area of expertise:** Administration & Management, Field Survey, Sample Survey Methodology, Statistical Application etc.



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

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**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

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**Area of expertise:** Field-Work for Large Scale Sample Survey, Survey Methodology, Statistical Applications, etc.



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

**E-mail:** shampa\_kundu@yahoo.co.in  
**Mobile No.:** 94335 25849  
**Area of expertise:** Field-Work for Large Scale Sample Survey, Survey Methodology, Statistical Applications, etc.



Subhojit Ghosh  
Senior Statistical Officer  
M. Com

**E-mail:** 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	5	Electronic Data Processing, IT Support, Field-Support, Documentation, Management of Computer Lab, Software application, Website maintenance, etc.

Designation	Number	Activities Performed
Stenographer	1	Stenography, Documentation, and Secretarial Service
MTS	2	Support Service

### *Project Work & Special Study*

- The project work of DHS – 2017-18 Students on “A Comparative Assessment of Nutritional Status & Morbidity and their associates between Street Food Vendors & Street Book Vendors of College Street, Kolkata” had been undertaken during January-March, 2018 under the supervision and overall guidance of Prof. B. Chaudhuri, HOD, Statistics. It was presented on 17 July 2018.
- The department has conducted a survey among the slum-dwellers in the urban field practice area of Chetla on the perception of the participant about Swachhta and practice followed thereof – as part of the ‘Swachhta Hi Sewa’ campaign. The programme was conducted during September-October 2018.

### *Conference/Seminar/Workshop Attended*

- Shri S. Sarkar, Senior Statistical Officer attended “Workshop on Big Data Analysis – Basic” conducted by the Institute of Secretarial Management, New Delhi during 18-20 June, 2018.
- Shri A. Roy, Director-Professor and HOD, attended “Conference of Central and State Statistical Organizations (COCSSO)” on “Quality Assessment of Official Statistics” at Dharamshala, Himachal Pradesh during 15-16 November, 2018.

### *Membership of Committees*

- **Prof. Bivas Chaudhuri (till 29.10.2018)**
  - Member, Faculty Council, AIHH&PH, Kolkata;
  - Member, Board of Studies, Non-MCI Courses, AIHH&PH, Kolkata;
  - Member, Scientific Advisory Committee, AIHH&PH, Kolkata;
  - Chairman, Tender Evaluation Committee, AIHH&PH, Kolkata;
  - Chairman, Computer Committee, AIHH&PH, Kolkata;
  - Member Secretary, Training Cell, AIHH&PH, Kolkata.
- **Shri A. Deb Barman, Senior Statistical Officer**
  - Member, Reservation Cell, AIHH&PH, Kolkata and
  - Member, Local Purchase Committee, AIHH&PH, Kolkata.
- **Shri S. Sarkar, Senior Statistical Officer**
  - Member, Computer Committee, AIHH&PH, Kolkata.

### *Guest Lectures Delivered*

- Shri A. Roy, Director-Professor & Head, delivered a lecture on “Technique of Statistical Computing through Survey” in a short course “Orientation course on Public Health for Medical Graduates” organized by Dept. of PHA, AIIH&PH, Kolkata on 27.11.2018.
- Dr. Bivas Chaudhuri, Director-Professor & Head, delivered lectures on “Probability Distribution and Testing of Hypothesis” and “Measures of Relationship” on 14.06.2018 and 11.07.2018 respectively for the students of M Sc (Nursing), from College of Nursing, Medical College, Kolkata.
- Shri S. Sarkar, Senior Statistical Officer, delivered lectures on “Relative Risk and Odds Ratio” and “Measures of Vital Statistics on 11.07.2018 and 18.07.2018 respectively for the students of M Sc (Nursing), from College of Nursing, Medical College, Kolkata.
- Dr. Shampa Mukherjee (Kundu), Senior Statistical Officer, delivered a lecture on “Measures of Variability” on 06.06.2018 for the students of M Sc (Nursing), from College of Nursing, Medical College, Kolkata.

### *Examiners*

- Dr. Bivas Chaudhuri, Director-Professor & Head, acted as moderator for the Diploma in Health Statistics, 2018 examination conducted by the West Bengal University of Health Sciences.
- Shri A. Deb Barman, Shri S. Sarkar and Dr. Shampa Mukherjee (Kundu), Senior Statistical Officers, acted as Paper Setters and Examiners for the Diploma in Health Statistics, 2018 examination conducted by the West Bengal University of Health Sciences.
- Shri S. Sarkar, Senior Statistical Officer and Shri S. Ghosh, Senior Statistical Officer acted as Internal Examiner, for the Practical as well as Viva-Voce tests of DHS Final Examination at AIIH&PH, Kolkata in August, 2018.

### *Additional Responsibility*

- Dr. Bivas Chaudhuri, Professor, acted as
  - Web-information Manager, and
  - the Public Grievance Officer of the Institute
- Shri Subhojit Ghosh, Senior Statistical Officer, acting as Warden of Boys’ Hostel at the Main Campus of the Institute.

### *Special Activities*

- Dr. Bivas Chaudhuri, Professor, acted as Honorary Area Welfare Officer of Central Government Employees in Kolkata Area and Centre-in-Charge of Samaj Sadan, Kolkata by DOPT order.

## *Some Photographs of Our Activities*



**DHS 2017-18 Students during their project work on Street Food Vendors of College Street, Kolkata.**



**A survey among the slum-dwellers on the perception about Swachhta and practice**

## LIBRARY

### *Introduction*

The AIIH&PH Institute Library is one of the few reference libraries on Public Health Sciences. It has a collection of more than 28984 books, 107 subscribed Journals, 25 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.

### *Resources*

- **Physical Infrastructure:**

- Reading -- A big size reading hall along with displayed journals.
- Computer Infrastructure: 16 PC's for Readers with Broad-Band Internet Connection.
- Photocopying facility is available.
- Human resources – 2 Librarian, 2LDC (vacant), 2 MTS.
- No. of books in the Library: 28984 books.
- No. of journals in the Library: 107 subscribed journals, 25 complimentary journals.
- Research Papers/reports/ in Library: 9573.
- Online Journals accessible : 247+

### *New Initiatives*

- E-Journals (ERMED) subscribed by the AIIHPH Library under NML Consortia. Each journal publication offers free institutional access to thousands of journals.
- An ERMED Users Training and Awareness program at All India Institute of Hygiene and Public Health, 110, Chittaranjan Avenue, Kolkata (AIIHPH Main campus) held on 16th May 2018 in co-ordination with AIIHPH Library and ERMED publishers. It was very successful and widely appreciated by faculty and students.

### *Description of Staff*



S. Baskey  
Librarian  
BA, BLISc

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

**Mobile No.:** 94344 94778

**Area of Expertise:** Handling Library files and Book / Journal Purchase issues, Cataloguing, Maintenance and verification of Library stock.



A. Chaturvedy Librarian  
B.Sc (Hons.), BLISc, MLISc,  
PGDLIM

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[abhi.indian4u@gmail.com](mailto:abhi.indian4u@gmail.com)

**Mobile No.:** 88209 14033

**Area of Expertise:** Handling computer related activities, ERMED e journals, Classification of books, Accessioning New Books, Preparing Library Cards and Student Register and Referral services to students and faculty.

### *Other staff:*

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

## INDIAN JOURNAL OF HYGIENE & PUBLIC HEALTH

All India Institute of Hygiene & Public Health has been publishing an E-Journal -*Indian Journal of Hygiene & Public Health (IJH & PH)* since July 2015. This open-access peer-reviewed journal is published twice in a year, full text of which is available online at <http://www.ijhph.co.in>. There is no charge for submission, processing or publication of articles. Its ISSN number is 2455-1813.

The journal publishes articles with special emphasis on original research findings that are relevant to public health. The journal considers publication of articles as original article, short communication, special article, review articles, case series report, CME article, epidemic investigations/ outbreak news, IT applications in public health, update on public health programmes, special events, view point, letter to editor etc.

A total of five issues have been published till date of which one issue has been published during the reporting period of the present Annual Report (2017-18). It is evident from feedback that this journal is regularly accessed by public health personalities from all over the world.

A workshop on '*Capacity Building for Review of Scientific Publications*' was conducted on 20<sup>th</sup> July 2018 at A.I.I.H & P.H., Main campus which was attended by present and past Editorial Board Members / Reviewers of articles as well as interested faculty / officials of the institute.

### *Some Photographs of Our Activities*



**Workshop on 'Capacity Building for Review of Scientific Publications'**



**Workshop on 'Capacity Building for Review of Scientific Publications'**

## RURAL 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 AIHH& 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: 100,270 (As on 1.4.2018)
- Families: ≈ 23,595
- 64 Villages. (≈ 1/3<sup>rd</sup> of Singur Development Block. 2/3<sup>rd</sup> - [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 12 is under NPHC. 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)
  - 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), DPH, DHPE, MVPH, DPHM, DHS students of the Institute.

### *Resources*

- **Officers' Profile**



Dr. Subhash Chandra  
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Additional Director  
& Officer-in-Charge  
MBBS, DCH.

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Dr. Aditi Rastogi  
Medical Officer  
MBBS, DNB Internal  
Medicine

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### Annual Budget (2018 – 2019)

Non-plan	CCTC (NP) .... □ 11,86,64,000/-
	Institute NP ....    16,800,00/-

### 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.

- Field-based training as per curricula was provided for courses of other institutes:

Sl. No.	Year	Name of the Institution	Name of the Course	Name of the Training Programme	No of Participants	Duration
1.	2018	AIHH&PH	MSc Applied Nutrition	Community Programme	21	12 to 23.02.2018
2.	2018	AIHH&PH	Dip Diet	Community Programme	30	05.03.1018-16.03.2018
3.	2018	College of Nursing Command Hospital (E.C)	2nd year B.sc Nursing	Community Programme	30	31.12.2018-01.01.2019
4.	2016	College of Nursing Command Hospital (E.C)	4th year B.sc Nursing	Community Programme	30	19.11.2018 to 30.12.2018
5.	2018	College of Nursing Command Hospital (E.C)	1st Year M.sc Nursing	Community Programme	8	17.12.2018 to 31.01.2019
6.	2018	College of Nursing Command Hospital (E.C)	2 <sup>nd</sup> Year M.sc Nursing	Community Programme	5	19.11.2018 to 16.12.2018
7.	2018	AIHH&PH	Short Training on Public Health	Orientation on Public Health	30	29.11.2018 (1day)

Sl. No.	Year	Name of the Institution	Name of the Course	Name of the Training Programme	No of Participants	Duration
8.	2018	University College of Nursing Faridkot, Punjab	1st Year M.sc Nursing	Community Programme	1	12.02.2018 to 28.02.2018 (2 weeks)
9.	2018	National Institute of Nursing Education PGIMER, Chandigarh	1st Year M.sc Nursing	Community Programme	5	28.05.2018 to 01.06.2018 (1 week)
10.	2018	National Institute of Locomotive Disorder (NILD) Bonhooghly	1st Year M.sc Nursing	Community Programme	7	06.03.2018 to 16.03.2018 (2 weeks)
11.	2018	National Institute of Homeopathy	BHMS & MD Honours course	Field Training	78	04.04.2018
12.	2018	AIHH&PH	Internship Training for Sanitary Health Inspector Course	Field Training	10	26.11.2018 to 24.12.2018 (4 weeks)
13.	2018	HCMM Health School	Observation visit for VIA Clinic	VIA Clinic	48	10.10.2018 & 27.11.2018 12.12.2018
14.	2018	AIHH&PH	DHPE	Field training programme	46	19.11.2018 to 04.01.2019
15.	2018	AIIMS Jodhpur	2 <sup>nd</sup> Year MSc Nursing	Community programme	6	13.08.2018 to 31.08.2018

- **Training Activities conducted at RHU&TC Singur:**

- RNTCP and TB updates by District Health officials on 05.03.2018.
- Training on Immunization and AEFI among MOs and Health Workers on 16.03.2018 & 20.03.2018.
- Dengue awareness program at Nasibpur PHC among all Health staff, ASHA, AWW Village representatives on 18.05.2018.
- Dengue awareness program at Paltagarh PHC among all Health staff, ASHA, AWW Village representatives on 18.05.2018.
- Training on MR campaign at Schools and communities on 13.06.2018 for all Health staff at RHU&TC.
- Training on Active case finding for Tuberculosis on 13.06.2018 for all Health staff at RHU&TC.
- Recent updates on RNTCP for informal Health care providers under RHU&TC on 29.06.2018
- Updates on new contraceptives for all health staff on 24.07.2018.
- Updates on new contraceptives for all ASHAs under RHU&TC on 17.07.2018.
- Training on NVVDCP program on 05.07.2018 at RHU&TC.
- Counselling technique on breast feeding on 07.08.2018 for all female health staff of RHU&TC.

- Training on diabetic care and management by Nursing Personnel on 16.11.2018 at RHU &TC
- Training on Birth defect on 20.09.2018 for ASHA and Health workers.
- Training on FPLMIS for Health works and ASHAs on 24.07.2018.
- **District Level TOT Programs Received:**
  - Training on Bangla Matri Pralkap (PMMVY) at Chinsura Hoogly on 15.12.2017, attended by PHN.
  - Training on HMIS portal at NNIC building Chinsura on 18.04.2018 attended by PHN and DEOs.
  - District level TOT on MDSR on 07.05.2018 at DF WB at Chinsura attended by Public Health Specialist and PHN.
  - Sensitization workshop on New Contraceptive Updates at DFW, Chinsura attended by PHN.
  - TOT on MR Campaign at DF WB, Chinsura attended by MO & PHN.
  - Workshop on FPLMIS at DF WB, Chinsura on 15.06.2018 attended by Public Health specialist, PHNS, Pharmacist and DEO.
  - IYCF- MAA Training at district Hospital attended by Staff nurse.
  - Training on birth defects detection at CMOH meeting hall on 11.09.2018 attended by PHN.
- **Service to the Community**

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

<b>Diseases (Clinical and/or laboratory based)</b>	<b>OPD</b>	<b>Beyond OPD hours (including Emergency)</b>
Diarrhoea	789	492
Soil Transmitted Helminths(STHs)	169	8
ARI	4123	171
Fever	1983	951
Fever with rash	23	5
Vector Borne Diseases	17	0
Skin diseases	1070	111
STD/RTI	233	4
Musculoskeletal	2355	214
TB	43	14
Hypertension	5492	131
Diabetes	2712	50
Antenatal & Postnatal	1120	Within 12 weeks - 1064
<b>Total</b>	<b>31273</b>	<b>8995</b>

- **Community/Public Health Services**

Provided through 12 functional Sub-centres/Units in 64 villages catering about 1.06 lac population including 24 Brick fields

MCH Services		Performance
Expected ANC cases : 1204		
Antenatal Cases	Total registered	1120 (93%)
	Registered within 1st Trimester (n=1064)	1021(95%)
Pregnant Mothers	>4 ANC's	
	Hb level	<11 gm/dl
		<7 gm/dl
Complete TT immunizations		967 (86.4%)
Deliveries (for the whole service area including Non-RHU&TC facilities)	Institutional	995 (99%)
	Home	2 (<1%)
Post Natal Visit	Within 48 hrs.	2 (<1%)
	48 hrs. – 14 days	650 (65%)
Children 12-23 months - fully immunised by one year		1088 (99.5%)
Use of F.P. methods	IUCD (Cu T)	190
	OCP distributed	5217
No of Eligible couples 10723	Condom distributed	16692 pks
	Ligation	230 (current year) Total 5992

- **Revised National Tuberculosis Control Program (DOTS Performance)**

- Total Case Detection Rate - 56.2%
- Treatment success Rate - 90.3%
- Proportion of notified TB patients referred to ICTC for HIV Testing - 98%

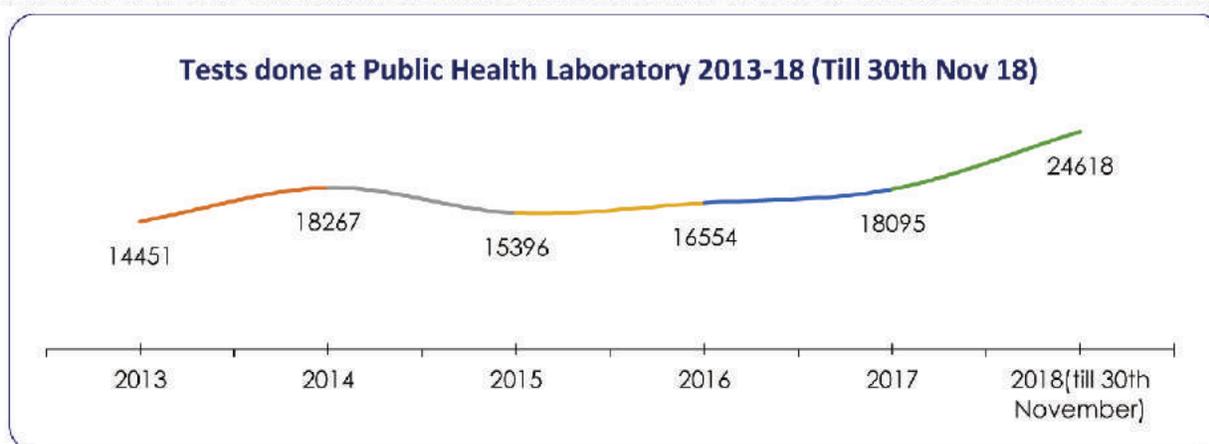
- **MDR Detected and initiated on Treatment:** 4

- **Public Health Laboratory Services**

From 1<sup>ST</sup> December, 2017 to 30<sup>th</sup> November, 2018.

TESTS	Pathological Lab. & Bio Chemical Lab. RHU&TC Singur	P.H. Lab. APHC Anandanagar	P.H. Lab. NPHC Dearah	Grand Total
Pathological and Serological (Blood other than MP)	2720	1949	2364	7033

TESTS	Pathological Lab. & Bio Chemical Lab. RHU&TC Singur	P.H. Lab. APHC Anandanagar	P.H. Lab. NPHC Dearah	Grand Total
Biochemical	3031	2180	2211	7422
MP	1203	1533	770	3506
Urine	1683	637	1587	3907
Stool	710	222	228	1160
Sputum Slides	1590	--	--	1590
Total Tests	10937	6521	7160	24618



- **Activities of Sanitary Engineering Section**

Annual Work Report of Sanitary Engineering Section:

Sl. No.	Nature of Work	Total Number
01	Disinfection of Tube Well & Tube well Platform	380
02	Disinfection of Pond During outbreak	03
03	Tube Well Repairing	11
04	Water sample collected for Routine Chemical Analysis of water Sample	22
05	Analysis of Drinking Water	22
06	Classes taken on method of chemical analysis of drinking water	10
07	Demonstration given on Environmental Sanitation.	11
08	Water sample collection for Micro-biological Analysis of water Sample during outbreak	02
09	Micro-biological Analysis of water Sample (using H <sub>2</sub> S Kit) During outbreak	01
10	Dakat Kali Mondir Disinfection Work to maintain Proper Sanitation during Srabani Mela (in days)	06

Sl. No.	Nature of Work	Total Number
11	Awareness generation program 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. (no. of village cover)	30
12	Surveillance/awareness generation performed on Swachta to the Staff Quarter of RHU & TC, Singur along with DPHE student of AIIH & PH. (in days)	01
13	Awareness Programme on Swachta Hi Sewa in Brick Field. (in days)	01
14	Door to Door Dengue Awareness campaign (in days)	06
15	Carpentry repairing work at office (in days)	34
16	Tap cock repairing work at Office (in days)	05

### No of Tubewell disinfection Conducted during 2018



#### • Outbreaks

Nature of Outbreak	Number of Outbreaks	Total Number of Cases	Total Number of Hospitalized Cases	Total Number of Deaths
Diarrhoea	2	65	8	Nil
Fever	4	165	91	Nil
Dengue	2	17	17	Nil

#### • Pulse Polio Immunization

- Total No. of IPPI Rounds – 3
- Total Target Children – 6500 in each round
- Total Children Covered – 99%

#### • Village Health & Nutrition Days (VHNDs)

- Number of sessions: 528
- Total Attendance: 9889

- **Senior citizen Health Check-up camp**
  - Sessions – 2
  - No of GPs camps conducted- 4
  - Total beneficiaries– 1026
- **Observation of Integrated Diarrhoea Control Fortnight (IDCF).**
  - Total villages- 64
  - Total Children visited- 5325
  - ORS distributed–5335
  - Zinc Tablets -65
  - VHSNC Conducted – 48
  - No of schools where hand washing demonstration carried out – 14
- **Visual Inspection with Acetic Acid (VIA) Program**
  - VIA program was carried out at APHC and NPHC. Total 24 programs were conducted (12 at each PHCs). Total 129 clients attended during VIA program.
- **National Iron Plus Initiative Program**
  - Total No of Children covered per month – 4800
- **HIV screening among Antenatal mothers**
  - Total mothers screened – 1120
- **Junior WIFS (Junior Weekly Iron Folic Acid Supplementation Program)**
  - Conducted in 68 Primary Schools in RHU&TC Service Area
- **NLEP (National Leprosy Elimination Program)**
  - Total 4 cases were enrolled in previous year. 3 cases were released from Treatment (RFT).
- **Achievements under National Health Program**
  - ACF (Active case finding for Tuberculosis) has been conducted in RHUTC service area during from to 18/6/18 to 30/6/2018.
  - Implementation of PMMVY (Pradhan Mantri Matru Bandana Yojana).
- **Demographic Indicators for the Service area (i.e. 64 Villages)**

Indicator	RHU&TC	National
Crude Birth Rate (per 1000 Population)	10.8	19
Crude Death Rate(per 1000 Population)	4.09	6.4
Perinatal Mortality Rate (per 1000 Live births)	15	36

Indicator	RHU&TC	National
Neonatal Mortality Rate (per 1000 Live births)	3.6	24
Infant Mortality Rate (per 1000 live births)	8.2	34
1-4 Yr. Mortality Rate (per 1000 Children)	Nil	50
Maternal Mortality Rate (per 100000 live births)	100	130
Contraceptive Use Rate (in %)	69.5%	53.5%
Tetanus Toxoid Immunization: (PW in %)	100%	89%
Immunization Coverage (12-23 Months, in %)	100%	62%
Cure Rate (DOTS, in %)	89.2%	85%

### *Conference/Seminars/Workshop/Course/Training Programmes Attended*

- Dr R N Panigrahi (Public Health Specialist) participated CME on Zoonotic diseases and its Public Health Implications at B N Campus on 12<sup>th</sup> July 2018.
- Dr S Kalsa (CMO NFSG) participated in training on Income Tax rules .Calculations & E Filling organised by Institute of Government Accounts & Finance “Ministry of Finance, Regional Training Centre, Kolkata on 13 & 14/09/2018.

### *Other Special Activities Performed*

- Dr R N Panigrahi (Public Health Specialist) participated in EMR duty (Emergency Medical Relief) duty at Kerala from 15<sup>th</sup> Sept 2018 to 31<sup>st</sup> September 2018.

### *Publications*

- A report of Diarrhoeal Outbreak at a Sub Centre in Rural Health Unit and Training Centre (RHU &TC ), Singur Block, Hooghly District, West Bengal Paper in Indian journal of Hygiene and Public Health (Vol 3, Issue1, Jun 2017). Papiya Das, Amitav Dan, Amal Dutta

### *Way Forward/New initiatives proposed during 2019*

- Creation of 20 Health Sub-centres/Units from present 12 along with provision for HR for them.
- Up-gradation of Public Health Lab and provision for CBNAAT machines and Auto-analysers.
- Sensitisation of private Chemists and initiate reporting from private sector for Tuberculosis.

## URBAN HEALTH UNIT & TRAINING CENTRE

The Urban Health unit & Training Centre (UHU&TC), Chetla is the urban field practice area of All India Institute of Hygiene & Public Health, Kolkata. This Centre, established in 1955, is the oldest of its kind in South East Asia. This centre provides community-based learning opportunity and quality teaching/training, not only to the post-graduate students pursuing different courses on public health at the Institute but also from other health institutions of India and abroad. This centre offers best possible integrated health care services, both in the clinical setting and at the community level, catering to the need of local people, mostly slum-dwellers. Total field practice area of Urban Health Unit & Training Centre is about 3.9 Sq. Km with population 1,02,045 divided predominantly in KMC Ward No. 74 & 82.

### *Functions of Urban Health Unit & Training Centre*

- Teaching, Training & Research
  - Laboratory Services
  - Services to the Community
  - Surveillance, Outbreak Investigation & Containment Measures
- **Teaching & Training:**
    - A. Regular Courses:**
      1. MD(CM) AIIH&PH, Kolkata.
      2. MVPH, AIIH&PH, Kolkata.
      3. MPH, AIIH&PH, Kolkata.
      4. M.Sc. (Applied Nutrition) AIIH&PH, Kolkata.
      5. M.Sc. (Nursing) from different colleges of Kolkata, WB, and other states of India.
      6. DPH, AIIH&PH, Kolkata.
      7. DHPE, AIIH&PH, Kolkata.
      8. Dip Diet, AIIH&PH, Kolkata.
      9. Sanitary Health Inspector (Skill-based Course), AIIH&PH, Kolkata.
      10. B.Sc.(H) (Nursing) from colleges of Kolkata, WB, and other states of India.
      11. GNM from different Nursing Schools of Kolkata.
    - B. Academic Teaching Programs**
      - Guide and supervise short epidemiological studies and researches by MD (CM) students of AIIH&PH, Kolkata, during their posting at UHU & TC.
      - To undertake family diagnosis and family care programme along with intervention for family health problems & evaluation of the interventions, for Core Course students (MD/DPH/MPH/ MVPH) of AIIH&PH, Kolkata.

- DHPE students of AIHH&PH, Kolkata are trained for communication skills, interviewing, role play, and organization of group meetings for a period of 4 weeks.
- Community exposure given to the core course students for various field activities and national health programs.
- M.Sc. (Nutrition) & Dip Diet students undertake their internship project at UHU&TC.
- Students of Skill-based Course of Sanitary Health Inspector are imparted basic public health skills and classes are taken as assigned to them at the UHU&TC, Chetla

### C. CMEs & Training conducted for Doctors, Paramedical, and School Teachers etc.

Sl.	Name of Program	Program- me date	Number of Participants & Designation	Name of Coordinator/ Facilitator
1	CME - on Measles Out Break Surveillance	26.04.2018	17 PHN,HA(F), Vaccinator of KMC.	Dr. Samar Biswas, SMO (WHO)
2	CME - on Case based Measles / Rubella Surveillance & Intensified Diarrhoea control fortnight	23.5.2018	13 PHN, HA(F) Sister, Nurse	Mrs. Kakali Roy, PHNS
3	CME on World Population control fortnight	27.6.2018	13 PHN, HA(F) Sister, Nurse	Mrs. Kakali Roy, PHNS
4	Recent Updates on Immunization & Case based M/R Surveillance	18.7.2018	16-PH Specialist MO,PHNS,PHN Sister, Nurse,	Dr. Samar Biswas SMO of WHO
5	CME on SNID (August round)	25.7.2018	HA(F) 13--PHN, HA(F)	Mrs. Kakali Roy, PHNS
6	FAQ on Routine Immunization CME on SNID (September round) & Measles/ Rubella Campaign	29.8.2018	Sister, Nurse 13--PHN, HA(F) Sister, Nurse	Mrs. Kakali Roy, PHNS
7	Breast Feeding & Complementary Feeding	11.9.2018	PHNS,PHN,HA(F) HA(M), Dietitian, Staff from F P Association	Dr. Lina Bandopadhaya & Dr. Madhumita Bhattacharya

### D. University Examinations:

Oral and Practical Examinations of the Public Health PG Courses of AIHH&PH and courses of other Institutes.

- **Other Regular Activities**

### A. Community awareness programme (From Dec 2016 to November 2017)

Health education unit organised community awareness programme with the help of other special units of UHU&TC and Departments of AIHH&PH.

Sl. No.	Name of the Awareness Programme/ Day Observation	Date	Place	Participants/ Designation/ Occupation	Organizer
1	Observation of World Health Day---“Universal Health Coverage- everyone, everywhere”	05/04/2018	Rajib Smriti Sangha, 29 A Rakhal Das Auddy Rd.	65 Community People	MCH Section of UHU&TC, Chetla
2	Swachh Bharat Pakhwada	13/04/2018	Saraswati Vidya Mandir Pitambar Ghatak Lane	74 School Students	School Health Unit of UHU&TC, Chetla
3	Personal Hygiene & Environmental Cleanliness	10/05/2018	(UHND) New Santi Sangha 113 Chetla Lock Gate	59 Community People	MCH Section of UHU&TC, Chetla
4	Observation of Dengue Day	15/06/2018	UHU&TC, Chetla	63 Community People	MCH Section of UHU&TC, Chetla
5	Prevention of Vector Borne Diseases	21/06/2018	(UHND) Kolahal Gasthi 68/1 Alipur Rd	35 Community People	MCH Section of UHU&TC, Chetla
6	Vector control Programme	28/06/2018	(UHND) Joy Milan Sangha 34 Judges Court Rd	39 Community People	MCH Section of UHU&TC, Chetla
7	Awareness of adolescents on healthy eating habits	06/07/2018	Kailash School, Chetla	Students of Class IX and X	Nutrition Unit of UHU&TC, Chetla
8	Sensitization for World Population Fortnight	05/07/2018	(UHND) Rajib Smriti Sangha 29 Rakhal Das Auddy Road	37 Community People	MCH Section of UHU&TC, Chetla
9	Observation of Breast Feeding Week	01/08/2018	UHU&TC, Chetla	45 ANC & PNC Mother	MCH Section of UHU&TC, Chetla
10	Observation of World Hepatitis Day & World ORS Day	02/08/2018	UHU&TC, Chetla	128 School Students & Community People	ICMR(NICED) & UHU&TC, Chetla (AIHH&PH)
11	Observation of Breast Feeding Week	02/08/2018	(UHND) Rakhal Das Auddy Rd	25 ANC & PNC Mother	MCH Section of UHU&TC, Chetla

Sl. No.	Name of the Awareness Programme/ Day Observation	Date	Place	Participants/ Designation/ Occupation	Organizer
12	Importance of Mid-day Meal & Maintenance of Personal Hygiene	07/08/2018	Desh Bandhu Balika Vidyalaya	108 School Student	Sanitary Eng. Dept. (AIIH&PH) & School Health Unit of UHU&TC, Chetla
13	Swachh Bharat activity	09/08/2018	(UHND) 113 Chetla Lock Gate	35 Community People	MCH Section of UHU&TC, Chetla
14	Observation of National Nutritional Week	14/09/2018	31 Rakhal Das Auddy Rd (ICDS Centre)	35 Mother & Children	MCH Section of UHU&TC, Chetla & ICDS
15	Swachhata awareness campaign	28/09/2018	Dharam Das Trust School.	72 School Students, Teachers & Other Staff	Dept. of PHA & PSM (AIIH&PH) & School Health Unit of UHU&TC, Chetla
16	Swachhata awareness campaign	28/09/2018	Aftab Mosque Lane & Naba Roy Lane, Chetla	161 Families Of the Community	Dept. of Statistics (AIIH&PH) & MCH Unit of UHU&TC, Chetla
17	Swachh Bharat activity- Drawing Competition for School Students	01/10/2018	UHU&TC, Chetla	148 School Students from 12 Schools.	UHU&TC, Chetla
18	Observation of Mental Health Day	10/10/2018	School Health Clinic, UHU&TC, Chetla	9 School Children with their Parents	School Health Unit of UHU&TC, Chetla
19	Observation of Global Hand Washing Day	22/10/2018	School Health Clinic, UHU&TC, Chetla	48 School Children	School Health Unit of UHU&TC, Chetla
20	Observation of Vigilance Week. (Pledge taken)	30/10/2018	UHU&TC, Chetla	All Staff of UHU&TC, Chetla.	UHU&TC, Chetla
21	Observation of Rashtriya Ekta Divas. (Pledge taken & Rally)	31/10/2018	UHU&TC, Chetla.	All Staff of UHU&TC, Chetla	UHU&TC, Chetla
22	Observation of Children's Day & Diabetes Day.	14/11/2018	School Health Clinic, UHU&TC, Chetla	14 School Children with their Parents	School Health Unit of UHU&TC, Chetla

## B. Health Care and Community Services

The centre provides facility and community based comprehensive Primary Health care free of cost to the population - mostly poor slum dwellers, vulnerable population, Red light areas, rag

pickers etc. Both domiciliary and clinic-based services are provided by General OPD & different special units of UHU&TC, Chetla.

#### OPD Attendance in General OPD and different Special clinics

Clinic Description	No. of Patients
General OPD and OH Clinic	23965
MCH Clinic	11080
NCD Clinic	2991
School Health Clinic	1929
T.B. Clinic	5237
Family Planning Clinic	715
Adolescent Friendly Health Clinic	154
Psychiatry Clinic	74
<b>Total OPD attendance</b>	<b>46145</b>

#### Officers' Profile:



Dr. Onkarnath Chattopadhyay,  
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Officer-in-charge  
MD (PSM)  
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Dr. Lina Bandyopadhyay  
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Dr. Deepa Shaw  
Chief Medical Officer  
MBBS

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Mobile: 8584057460



Dr. Papiya Das  
Public Health Specialist  
Grade III  
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Medicine)

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Mobile: 9435073050



Dr. Rajarshi Chakraborty  
Medical Officer  
MBBS

E-mail: raj700031@gmail.com  
Mobile No.: 9830464564

#### Other Technical Staff Members

Sl. No.	Name of the post / Designation	Number
1.	Public Health Nursing Supervisor	1

Sl. No.	Name of the post / Designation	Number
2.	Public Health Nurse	4
3.	Health Assistant (F)	8
4.	Health Worker(F)	0
5.	Health Assistant (M)	2
6.	Social Worker	2
7.	Sister	1
8.	Nurse	2
9.	Field Investigator	2
10.	Pharmacist	1
11.	DEO	2
12.	Laboratory technician	4
13.	Laboratory Assistant	2
14.	Dietician	1
15.	X- Ray technician	1

### *Research Activities*

- **Need based public health investigations and research.**

This Centre provides opportunity to carry out research studies by the students as a part of their teaching curriculum. This includes Dissertation prepared by the Post graduate medical & nursing students, Short Epidemiological studies, Operational and health system research, BRFSS (Behavioural Risk Factor Surveillance) etc. Some Public Health oriented research activities are also undertaken by the Officers of this centre.

- Dr. Onkarnath Chattopadhyay acted as Guide of M.Sc. (Applied Nutrition) dissertation entitled, "A study of infant and young child feeding practices and its relation to nutritional status of children between 6-23 months in an urban community of Kolkata".
- Dr. P.J. Bhuyan, Public Health Specialist along with Mrs. Maitreyee Guha was undertaking a study on the hypertension prevalence among the adolescent students of schools under UHU&TC, Chetla.

### *Conference / Seminar/ Workshop Attended*

- Dr. Onkarnath Chattopadhyay, Consultant (Public Health) SAG, Officer-in-Charge participated in Workshop for Capacity building of Editorial Board Members and Reviewers of IJHPH held on 20.07.2018.
- Dr. Deepa Shaw, CMO, attended training on multidrug resistant TB on 22.02.2018 to 23.02.2018 at UHU&TC, Chetla.

- Dr. Deepa Shaw, CMO, attended a sensitisation program on Measles and Rubella Vaccination Campaign at Swasthya Bhawan, Kolkata on 08.11.2018.
- Dr. Deepa Shaw, CMO, attended a workshop on AEFI for MR vaccination on 12.11.2018 at BR Singh Hospital, Sealdah, Kolkata.
- Dr. Papiya Das, Public Health Specialist, attended a district level workshop on MDSR at Chinsura in the month of April' 18, Hoogly District.
- Dr. Papiya Das, Public Health Specialist, participated in Workshop for Capacity building of Editorial Board Members and Reviewers of IJHPH held on 20.07.2018.
- Dr. Rajarshi Chakraborty, Medical Officer, attended a training on IT Rules calculations and E-filing on 13.09.2018 to 14.09.2018 at INGAF, R N Mukherjee Rd Kolkata.
- Dr. Rajarshi Chakraborty, Medical Officer, attended a district level workshop on Measles and Rubella Campaign on 07.06.2018, Chinsura, Hoogly district.

### *Membership of Committees*

- **Dr. Onkarnath Chattopadhyay, Consultant (Public Health) SAG, Officer-in-charge, acted as**
  - Editor of Indian Journal of Hygiene & Public Health;
  - Member of Office Council of AIH&PH;
  - Member of Faculty Council of AIH&PH;
  - Chairman of Apron Committee of AIH&PH;
  - Member of Biomedical Waste Management Committee of AIH&PH;
  - Member of Publications Committee of 86th Foundation Day of AIH&PH.
- **Dr. Deepa Shaw, Chief Medical Officer, acted as**
  - Member of Medical Scrutinising Committee of AIH&PH;
  - Member of Condemnation Committee of AIH&PH;
  - Member of Swachh Bharat Supervision Committee of AIH&PH.
- **Dr. Papiya Das, Public Health Specialist, acted as**
  - Member of Swachh Bharat Supervision Committee of AIH&PH;
  - Member of Preventive Condemnation committee of AIH&PH.
- **Dr. Rajarshi Chakraborty, Medical Officer, acted as**
  - Member of Preventive vigilance committee of AIH&PH;
  - Member of Tender evaluation committee of AIH&PH;
  - Member of Condemnation committee of AIH&PH;
  - Member of Apron committee of AIH&PH.

### *Other Special Activities Performed*

- Dr. P.J. Bhuyan, Public Health Specialist, performed EMR duty during month of September 2018 at Cochi, Kerala for outbreak containment post flood.
- Dr. P.Das, Public Health Specialist performed EMR duty from 16.11.2018 to 30.11.2018 for containment of Zika virus outbreak at Bhopal, Madhya Pradesh.

### *Publications*

- Chattopadhyay, O. Ageing and Health. Indian Journal of Hygiene & Public Health. 2017. 3(1) 4-15.
- Dan A, Chattopadhyay O, Pasi A, Dasgupta D, Burman L. Immunization Coverage Evaluation by secondary data analysis of Rural Health Unit & Training Centre, Singur in Hooghly district of West Bengal. Indian Journal of Hygiene & Public Health. 2017. 3(1) 30-36.
- Das Papiya, Dan Amitav, Dutta Amal. A Report of Diarrhoeal Disease Outbreak at a Sub centre in Rural Health Unit and Training Centre (RHU &TC), Singur Block, Hooghly District, West Bengal. Indian Journal of Hygiene and Public Health, Kolkata, Volume 3, Issue 1, Jun 2017. 50-53.

### *Reports of Academic Units of UHU&TC*

- **Maternal & Child Health Unit:**

**Services to the community:**

Service Components: The aim of MCH Unit is to provide primary health care to the Mothers & Children below 5 years. Service components are:

- Maternal health care.
- Child health care.

Maternal Health Care: Components of maternal health care are antenatal care, intranatal care, postnatal care, family welfare service and services to the mothers in inter-conceptional period.

Age Distribution of children registered in MCH Unit

Total Children			Below 1 yr.			1 yr. to 5 yr.		
Male	Female	Total	Male	Female	Total	Male	Female	Total
833	829	1662	192	231	423	641	598	1239

M.C.H. O.P.D. Clinic Attendance & Child Morbidity:

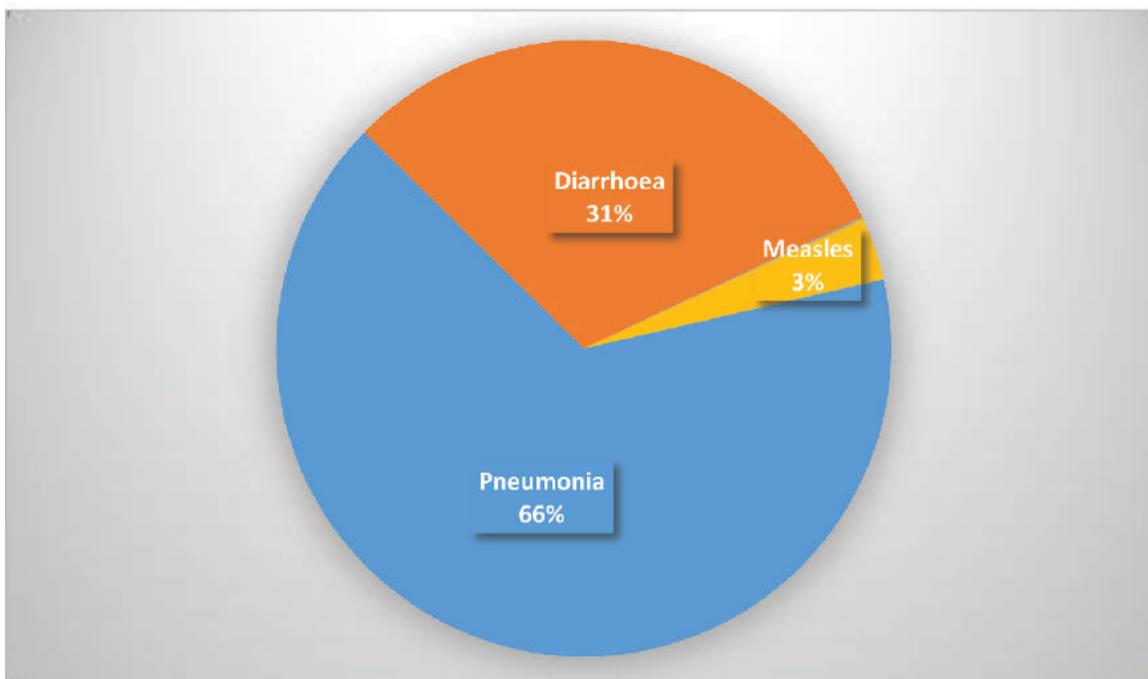
The report of MCH from Dec 17 to November 2018 is based on the service evaluation of the families recorded in Family folders. Whole Chetla area is divided in to 4 areas named as Units A, B, C and D. Two slums having 1938 households located in KMC ward 81 and 82 are currently included under unit B.

## MCH Performance Report

Sl.	Description of Activity	No.
<b>ANTE NATAL CARE SERVICES (ANC)</b>		
1	Total number of Pregnant Women (PW) Registered for ANC	114
1.1	Of which Number registered within first trimester	113
2	Number of Pregnant Women received 4th check-ups	206
3	Number of Pregnant Women given T.T 1	114
3.1	Number of Pregnant Women given T.T 2/ booster	95
4	ANC-1 Albendazole tablets >12 Weeks	6
5	ANC-180 IFA tablets	230
6	ANC-360 Calcium Tablets	230
7	Pregnant Women with Hypertension (BP > 140/90)	0
8	Pregnant Women with Anaemia	0
8.1	Number having Hb level <11 (tested cases)	41
8.2	Number having Hb level <7 (tested cases)	0
<b>POST NATAL CARE SERVICES (PNC)</b>		
9.1	PNC-180 IFA tablets	242
9.2	PNC-360 Calcium Tablets	242
<b>FAMILY PLANNING SERVICES</b>		
10	Number of PTK Used	479
11	Number of Oral Pill cycles distributed	667
12	Number of Condom pieces distributed	16208
13	Number of Emergency Contraceptive Pills distributed	7
<b>CHILD CARE SERVICES</b>		
14	Total number of children aged between 12 and 23 months who have been fully immunized	258
15	Vit. A doses:9moths-5yrs	1484

\*\* Over and above registered pregnant woman at UHU&TC, some pregnant woman are registered in other health facilities. The MCH staffs of UHU&TC provides the 4th Antenatal check-up at UHND (outreach session) and field visit.

## Child Morbidity Pattern



### New Initiative

- Inclusion of New MCH Tracking system: The registration of antenatal women are tracked in software to provide antenatal check-up in time, follow-up of high risk woman etc. The same has been planned for postnatal cases and under five children.
- Oral Glucose Tolerance Test (OGTT) - being used universally to all pregnant woman to detect Gestational Diabetes Mellitus as per National Guideline. It has been first implemented in Primary care settings in West Bengal.

### Implementation of recent NHM Guideline:

- Distribution of prophylactic Iron & Folic Acid tablets changed from 100 to 180 tabs in antenatal & postnatal period.
- Tab Calcium 500mg changed to 1gm –during antenatal and postnatal period (12 weeks gestation to 6 months postpartum).
- Vaccine- Fractional IPV second dose started with third dose of pentavalent.
- All the MCH staffs are being trained to initiate Measles-Rubella Case base Surveillance.
- Reporting in HMIS portal system initiated.

**Reporting of Suspected Measles:** 32 nos. of cases are being reported.

**Vaccination in Pulse Polio:** 273 nos. of under-five children.

**AEFI Reported:** 4 nos.

## • School Health Unit

School Health Unit of Urban Health Unit & Training Centre Chetla is working in an organized way with the goal for healthy children to build a healthy nation. Beside health appraisal and school health clinics, the unit conducts health related programmes in schools and the health centre. Total 41 schools of KMC Ward 74, 82 & 81 and 4 Schools from adjacent area are under care of School Health unit of UHU&TC. Total number of children covered by the School health unit is more than 15000 in 45 schools. Facility based and outreach comprehensive health care services are provided to the students. The services include health promotion through counselling and repeated behavioural change communication in schools. Specific protection to the children done by immunization with T.T, supplementation of IFA tabs, Vit. A, as per National Programme for control of anaemia & prevention of blindness. Worm infestation is prevented by mass deworming and BCC for personal hygiene including Hand washing. Health check-up of the children done at schools during School Health visit in view of early diagnosis treatment and specific protection.

### Activities/Achievements:

- Total health appraisal for school children-242 (Male-98, Female-144).
- Total number of sick school children, attended in School Health Clinic-1451. (Male-793, Female-658).
- Total number of teachers examined-22 & non-teachers examined-11.
- Health education session- In Schools - 22 sessions. In clinic – 61 sessions.
- Role play on personal hygiene, dental health, seminar on non-communicable, disease awareness, & nutrition week observation etc.
- Incidence of dental caries and skin disease has been decreased remarkably in reporting year.
- Anaemia improved after distribution of iron-folic acid tabs.
- Worms infestation controlled by deworming at specific intervals.
- Reduction in episodes of diarrhoea by following hand washing and other sanitary measures.

### School Health Visit

School children were examined during school health visits in different schools of Chetla. A total of 11 schools were visited. Morbidity pattern found during school visit is as follows:

Disease	Boys	Girls	Total
Worm infestation	16	13	29
Skin disease	12	14	26
GI disease	11	11	22
Dental caries	26	31	57
Gynaecological problem	--	37	37

Disease	Boys	Girls	Total
Genito urinary disease	05	07	12
Pallor/ Anaemia	06	11	17
Eye	06	03	09
ENT	05	07	12
Malnutrition	09	12	21
Total	96	146	242

### School Health Clinic:

Comprehensive health care services are provided to students attending School Health clinic. This clinic provides services like Immunization, Health check-up treatment in sickness, Pathological tests and counselling. In reporting period 64 clinical sessions were conducted on which 1926 students were examined (Male -1034, Female-892).

### Morbidity pattern among children attended School Health clinic

Disease	Boys	Girls	Total	Disease	Boys	Girls	Total
Cough & Cold	199	145	344	Skin infection	124	91	215
Fever	295	224	519	ENT	16	13	29
GI Disorder	75	55	130	Dental caries	27	24	51
Worm infestation	56	22	78	Gynaecological	--	146	146
Eye problem	11	12	23	Genito-Urinary/UTI	12	7	19
Animal/ Insect bite	9	2	11	Over weight	2	5	7
Head lice/ Pediculosis	16	17	33	Accidents	4	1	5
Injury	112	56	168	Burn injury	5	3	8
Headache & Musculoskeletal	18	9	27	Blood Grouping Lab test	27	892	1926
Nutritional deficiency/ Pallor	26	24	50				

### Immunization status of the Children:

The Health examination reveals that majority of students were getting Primary vaccination at their childhood. BCG scar were present on most of the students (78% boys, 80% girls) The T.T 10-year Vaccination is 89.20% and T.T 16 years is 86.50 %.

### Adolescent Friendly Health Clinic:

A total of 296 adolescents attended Adolescent Health Clinic of which males were 141 and females were 155. Total number of adolescent clinic done during the year was 21.

### **Training Programme SH Unit:**

School Health unit provides the opportunity to learn school health setup for the medical, nursing and paramedical students. In the reporting period Core course student (MD, DPH), Sanitary Health Inspector skill-based course students of AIHH&PH, DHP&E students of AIHH&PH, M.Sc. & B.Sc. (Nursing) from various institutes of India, BHMS students from National Institute of Homeopathy attended training in School Health Unit.

### **Research conducted amongst the school children of service area to be presented at National Conference:**

Risk assessment of Mental Illness among school going adolescents in an urban area of Kolkata. This is a school based observational cross-sectional study was conducted among 145 school going adolescents in the service area of Urban Health Unit & Training centre, Chetla, Kolkata from 5 randomly selected schools. The study was conducted during June to August 2018.

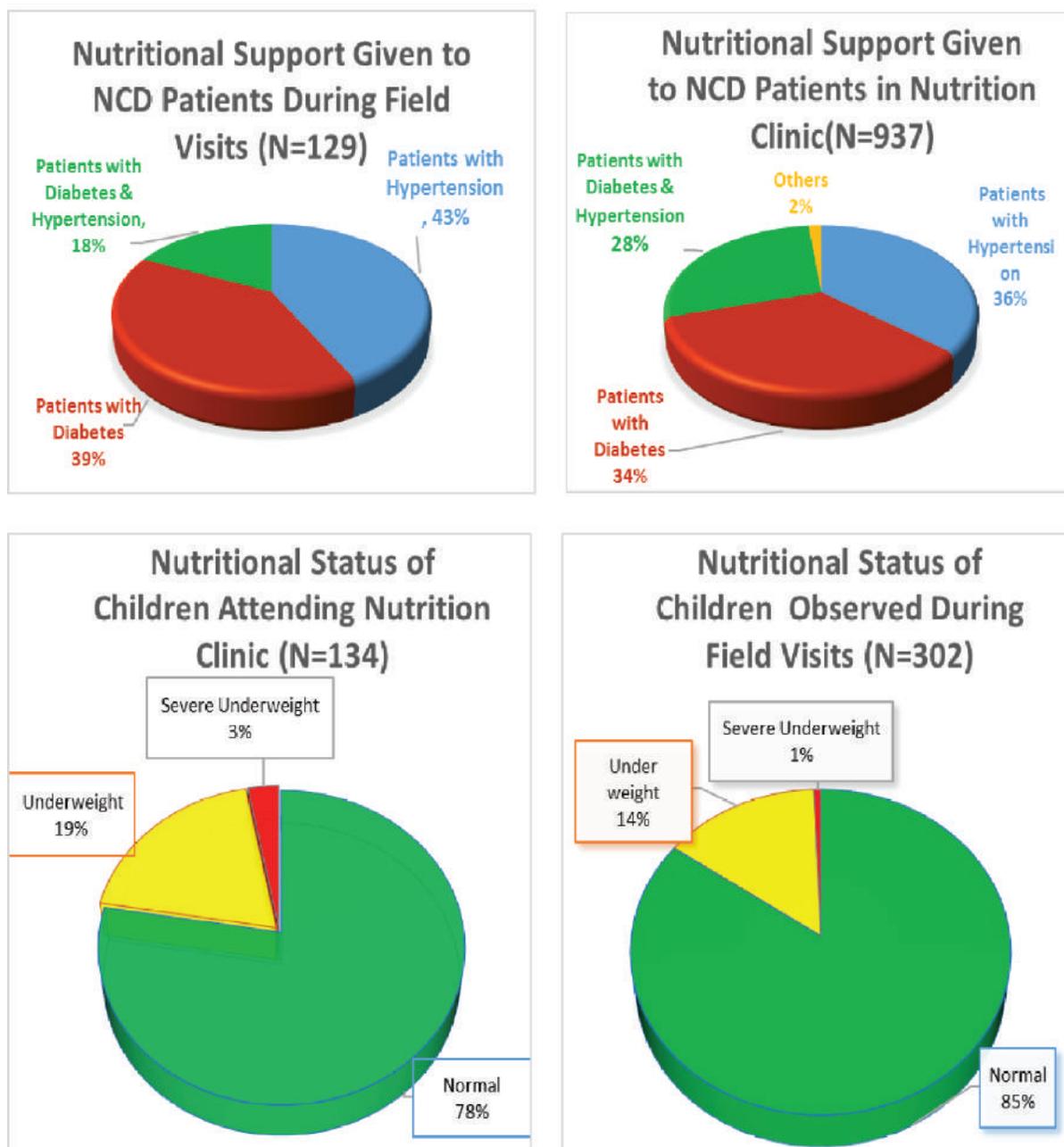
- **Nutrition unit: (December 2017- November 2018)**

The Nutrition Unit of UHC Chetla is engaged in nutritional surveillance of the population of the service area of the Centre. The nutritional status of the vulnerable population of the slum community is periodically monitored through regular home visits with particular emphasis on under-five children. The growth of under-five children in the community is followed up with the help of periodic growth monitoring and anthropometry. The feeding practices of children including breast feeding practices as well as the dietary habits of the families including consumption of iodized salt are monitored through home visits. The presence of malnutrition, specific nutritional deficiencies, defective infant and child feeding practices are identified in home visits. Specific nutrition and health education to mothers and other caregivers in the community is given with a view to improve the nutritional status of the community and to prevent Non communicable diseases.

Nutrition Clinic is conducted at UHC Chetla twice a week where anthropometric measurement of under-five children, adolescents, women of reproductive age group and other family members is carried out. Specific health and nutrition education and advice on prevention and management of Non communicable diseases is carried out and treatment is given for health problems identified.

The Unit also maintains liaison with the ICDS Centres and NGOs engaged in child welfare work. It also observes the National Nutrition Week every year with a view to creating awareness on nutritional issues in the community.

The performance of the Nutrition Unit during the year under report is as under:



- **Occupational Health Unit**

Occupational health deals with all aspects of health and safety in the workplace and has a strong focus on primary prevention of hazards. The health of the workers has several determinants, including risk factors at the workplace leading to cancers, accidents, musculoskeletal diseases, respiratory diseases, hearing loss, circulatory diseases, stress related disorders and communicable diseases and others.

Being a functional unit of Urban Health Centre the vision of Occupational health unit is to provide excellent community oriented training opportunities with organized team effort to the different categories of students studied in different institutions nationally and globally. This can

be achieved by improvement of the services to the beneficiaries of Chetla. The beneficiaries of OH Unit are the workers of unorganized sector mainly for those who are not covered under ESI (MB) Scheme. Total number of beneficiaries registered with Occupation health unit is given below.

### Sex Wise Distribution of Occupational Health Beneficiaries

Sl. No.	Category of worker	Male	Female	Total
1	Butcher	20	0	20
2	Building Construction	37	3	40
3	Carpenter	72	0	72
4	Clay modeller	41	20	61
5	Drivers: Auto, Taxi, car, Heavy Vehicle	31	1	31
6	Cook/ Chef	236	245	481
7	Garage worker	389	0	389
8	Grinders	25	3	28
9	Laundry	36	6	42
10	Domestic servants /Maid servant	0	40	40
11	Miscellaneous Bidi worker, Garlander, Gold smith, Home butieck, Paper-bag preparer, Shoe-maker	65	31	96
12	Oil Mill Workers	39	0	39
13	Repairer Cycle, Electric, Fridge, Gas Stove, Key repair, Mobile & Electronics, Sofa, Umbrella, Watch	40	7	47
14	Rickshaw-puller/ Van-puller	9	0	9
15	Saloon	23	3	26
16.	Small Factory Worker: AC Electric good, Plastic, Printing Press, Tyre retarders, Welding	68	14	82
17	Tailor	274	292	566
18	Others (Gum pasting, shop keeper etc.)	132	16	148
	<b>TOTAL</b>	<b>1537</b>	<b>681</b>	<b>2217</b>

### Work Place Visit

Visit to the beneficiaries at their working door step is most important tool because the beneficiaries of OH unit do not usually visit health centre for their minor illness. The table below shows the work place visit in the reporting period.

### Work Place Visit by the Health Personnel of OH Unit

No. of Days Visited by Health staffs	Number of Working centre Visited								
	Garage	Food prep.	Oil mill	Carpenter	Saloon	Tailor	Clay-modeller	Jewellery	Other
	15	38	7	4	16	27	5	7	42

This may be noted that any of the working centres may be visited multiple times by the PHN and health worker attached with the OH unit supervised by the in charge. During visit to work field the workers are examined clinically, advised and medicines are supplied. Regular counselling about health care safety was done with the advice for clinic visit.

### Number of Workers Visited at the time of Field Visit

Male		Female		Total	
Total worker visited	Found Sick during visit	Total worker visited	Found Sick during visit	Total worker visited	Found Sick during visit
170	28	89	15	259	43

### OPD Clinics performed by the OH Unit

Apart from the Field visit the Occupational Health unit conducting OPD clinic twice a week every Tuesday & Thursday for the patient of working group in which through check-up done vaccination against Tetanus Toxoid given, refer the cases for laboratory investigation and medicines were given according to need. Serious cases were referred to the nearby secondary and tertiary care units.

**OH OPD Clinics:** During the reporting period 86 OPD clinics were held.

### Vaccination with Tetanus Toxoid

Although almost all the workers are vaccinated but we insist that all the worker should get appropriate doses of TT vaccine for their safety. Vaccination was done for new registered workers. In the reporting year vaccination was given as follows:

Male: 1

Female: 3

Total: 4

### Counselling to the Workers

Counselling of the workers at their work place is an important tool for safety precaution at the work place. Counselling and Health education done at the work place regularly during work place visit and at clinic. Below mentioned table shows the frequency and number of workers counselled during visit to workplace.

### Counselling & Health Education of the Workers

	At Clinic	At Workplace	Total
Number of Session	45	40	85

<b>No. of Worker Counselling</b>	60	250	310
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**Accidents & Hazards:** No major accident is reported in during this period.

#### Training of Health Personnel and Students

<b>Name of Institution</b>	<b>Course</b>	<b>Number of students given field training in occupational health</b>
Aliah University	B.Sc. (Nursing)	28
Command Hospital	B.Sc. (Nursing)	30
A.I.I.M.S. Jodhpur	M.Sc. (Nursing)	4
College of Nursing, Faridkot	M.Sc. (Nursing)	2
R.G. Kar Medical College, Kolkata	B.Sc. (Nursing)	24
Medical College, Kolkata	B.Sc. (Nursing)	22

- Health Education Unit**

Health education unit of UHU&TC is conducting the IEC and BCC in the community. This unit gives learning opportunity to all categories of Medical, Nursing & paramedical students of different institutes. Apart from facilitation of teaching activities this unit also conduct various awareness programmes in the community. In the reporting year this unit conducted 17 community awareness programmes as listed in the community awareness programme above.

- Family Welfare Clinic**

Runs once in a week on Tuesdays. Gynecologist from department of MCH, AIHH&PH attended this clinic. During the reporting period the achievements of FW clinic is as below:

<b>No. of Clinic</b>	<b>Total Pt. attended</b>	<b>Cu-T insert</b>	<b>Cu-T Remov</b>	<b>Amen orrhoes</b>	<b>Dysmen orrhoea</b>	<b>Olygo Meno rrhoea</b>	<b>Menorr hagia/ irregular mens</b>	<b>RTI &amp; UTI</b>	<b>Leuko Rrrh oea</b>	<b>DUB</b>	<b>Others</b>	<b>Total VIA</b>	<b>VIA Positive</b>
45	715	5	14	233	19	28	91	117	68	25	69	61	6

- TB UNIT**

#### RNTCP Performance of the year (Dec 16 to Nov 17)

The UHU&TC, Chetla has Designated Microscopy Centre (DMC) under RNTCP. Passive screening of cases are being sent thrice a week from OPD to DMC.

1. Total Number of TB Cases :	52
Pulmonary:	37

	Extra pulmonary :	15
2. New Smear Positive :		29
	Smear Negative	3
	Extra Pulmonary :	12
3. Re-treatment Cases :		8
	Smear Positive :	6
	Smear Negative :	1
	Extra Pulmonary :	1
4. Category - I :		44
Category -II :		8
7. Treatment Outcome :		47
	Cured Case :	23
	Treatment Completed Case :	15
	Number of Death Case :	3
	Number of Failure Case :	1
	Number of Defaulter Case :	4
	Number of Admission Case :	0
	Number of Referred Case:	3
8. Total No. of HIV Positive Case :		0
9. Total No. of MDR Case :		3
10. Total No. of Male Case :		38
11. Total No. of Female Case :		13
12. Total No. of Child Case :		1
13. Total No. of XDR Case :		0

- **Epidemiology Unit: (December 2016- November 2017)**

Epidemiology Unit undertakes regular need based field investigations & surveys. It also undertakes active (field based) and passive (facility based) surveillance of diseases and Risk factors. Collection of Vital statistics is currently limited to collection of adult death data from the local crematoria. The Unit undertakes compilation of above information to provide the trend, outbreak warning signs and useful evidence for allocation of UHU &TC resources.

#### **Field Based Surveillance:**

The Unit is undertaking surveillance for Chronic Diseases & related Risk factors. Finding from December 2017 till November 2018 are given below:

S.No.	Variable	Value (%)
1	No of family covered	721

S.No.	Variable	Value (%)
2	No of family members covered	2529
	No of female family members covered	1286 (51%)
	No of children aged less than 15 years covered	518 (20.4%)
	Persons aged more than 59 ears	345 (13.6%)
	No eligible couples	360
3	Current tobacco users among adult males	410 (41.7%)
	Current smokers among adult males	141 (14.3%)
4	Alcohol use among adult males	70 (7.12%)

#### Passive Surveillance:

Given below is the pattern of cases who attended at UHC & TC during December 2017 to November 2018:

Reason for UHU & TC visit(s)	December 2017 – November 2018
Respiratory diseases	7089 (22.9%)
NCDs	5703 (18.4%)
Test and Other reasons	616 (2%)
ANC, PNC & Adult Immunization	4176 (13.4%)
Fever	4619 (14.9%)
Skin Diseases	2894 (9.3%)
GIT Diseases	2378 (7.7%)
Injuries	1969 (6.4%)
Other infections	1204 (3.9%)
Deficiency Diseases	334 (1.1%)
Total attended at UHU & TC	30982 (100%)

Maximum cases were of Respiratory diseases (22.9 %). Total number of NCD clinics done during December 2017 to November 2018 was 47. Here a total of 3001 patients were attended, of these 2546 were old cases and 455 were new cases.

#### Mortality Statistics:

Death records were collected for the population residing in service area. Mortality data are collected from KMC electrical crematorium, Saha Nagar Burning Ghat, Kevratala. As

depicted maximum (41 %) of the reported deaths occur on account of Cardio- Vascular diseases, followed by reparatory diseases (15 %).

Pattern of Adult deaths during December 2016 to November 2017 as collected from local KMC electrical crematorium

Cause of Death	Male	Female	Total	Proportionate Mortality Rate
CVA	111	117	228	41.0
Br. Pneumonia	46	38	84	15.0
Diabetes+ Kidney Diseases	38	33	71	12.7
Carcinomas & tumour	17	14	31	5.6
Septicaemia	16	30	46	8.3
Hepatitis+ Anaemia	9	7	16	2.9
Unnatural deaths	27	10	37	6.6
Others	15	14	29	5.2
Liver Diseases	12	3	15	2.7
TOTAL	291	266	557	100.0

- Public Health Laboratory

The breakup of total number of tests performed by Public Health Laboratory is given below. It covers all patients referred by clinics run by the centre including Malaria Control Programme, RNTCP. It also covers other field and student programme of UHC, Chetla.

Blood Biochemistry and Other Pathological Tests (Dec 16 to Nov 17).

Blood Sugar	Cholesterol	Triglyceride	Urea	WIDAL	RA factor	C.R.P	ASO Titre	HBsAg	HCV
1669	7	52	0	11	28	11	7	75	5

VDRL	hCG			URINE		STOOL		
	Total	Pos	Neg	Sugar	RE and ME	RE and ME	OPC POS	OBT
85	317	127	190	1549	594	228	8	1

Uric Acid	Bilirubin	Creatinine	Urine for C&S	Pus for C&S
67	27	53	46	1

- **Vector Borne Disease Control Programme:**

**Malaria:** Blood Slides were collected from the fever patients attended the General OPD. Slides were examined at Public Health Laboratory. The Confirmed Malaria cases were treated as per NVBDCP Guideline.

**Dengue:** The Suspected Dengue cases were referred to nearest UPHC, KMC for confirmation.

Trend of monthly Malaria cases.

Months	Pv	Pf	Total blood slides examined	Remarks
December 2017	3	1	115	2 Pf patients were referred.
January 2018	0	1	111	
February 2018	0	0	117	
March 2018	2	0	132	
April 2018	2	0	113	
May 2018	8	0	167	
June 2018	4	0	91	
July 2018	15	0	197	
August 2018	27	2	444	
September 2018	50	3	377	
October 2018	21	2	389	
November 2018	9	0	331	
Total	141	09	2584	

- **Statistics Unit:**

Presently merged with Epidemiology unit with its entire staff.

- **Special Clinics:**

**Mental Health Clinic:** Functioning fortnightly on alternate Mondays. A psychiatrist is attending this clinic twice a month. A total of 74 patients were seen in the year under report.

- **Other special activities**

A. **Swachhata Pakhwada** (1<sup>st</sup> April 18 to 15<sup>th</sup> April 18)

- Swachhta pledge was taken by all participants.
- Cleaning and mopping of the entire building was done.
- All Officers and staffs did cleaning and sweeping of the office premises.
- Plantation done.
- Beautification of campus done by placing potted plants in the corridors.

- f. Patients and school children were counselled and motivated for keeping their surrounding clean and hygienic.
- g. Hand washing demonstration to the school children was done.
- h. Talk on menstrual hygiene with inter personal communication was made in the UHU&TC in all OPDs and MCH clinics.

**B. Swachhta Hi Sewa Campaign (15<sup>th</sup> September 2018 to 2<sup>nd</sup> October 2018)**

- a. Swachhta Hi Sewa campaign was observed at UHU&TC, Chetla from 15<sup>th</sup> of September 2018 to 2<sup>nd</sup> of October 2018.
- b. Pledge was taken by all the staffs and Officers of the centre.
- c. Rally was organised.
- d. Banners were displayed.
- e. Everybody participated and 'Shramdan' was observed every day for 2 hours which included cleaning of the campus, cleaning of the rooms and the premises.
- f. Activities like painting and handwashing demonstration done in the schools.
- g. Poster competition was organised at UHU&TC where students from different schools participated
- h. Talk on menstrual hygiene with inter personal communication done in the UHU&TC in all OPDs and MCH clinics.
- i. Awareness Programme on Swachh Bharat Abhiyan conducted at slum area under Unit B by staff and students.
- j. Installation of dustbin

**C. Vigilance week:**

- a. The Vigilance Awareness Week was observed at UHU&TC, Chetla from 29.10.2018 to 2.10.2018.
- b. Banners and posters on Vigilance Awareness Week were displayed at all prominent places at the Centre.
- c. Leaflets on Vigilance Awareness Week were distributed to patients attending OPD from 29.10.2018 to 2.10.2018.
- d. The prescribed Integrity Pledge was taken by all staff members of UHU&TC, Chetla in presence of Officer-in charge, Chetla, at 11AM on 30.10.2018 in both English and Hindi.
- e. A sensitisation programme for staff members was held on Vigilance Awareness Week on 30.10.2018.
- f. E-Integrity pledge was taken by 26 staff members during the week.
- g. School students attending School Health Clinic at UHU&TC Chetla were sensitised on ill-effects of corruption on 31.10.2018.

## Some Photographs of Our Activities



**Plantation being done at UHU&TC, Chetla**



**Swachhta Hi Sewa Pledge 2018**



**EMR duty at Bhopal Madhya Pradesh**



**Swachh Bharat Awareness rally organized by UHU&TC, Chetla**



**Awareness program at school**



**Pledge taking during National Vigilance awareness week**



**Interaction with community**



**School health clinic**



**EMR duty at Kochi, Kerala**



**Measles surveillance at UHU&TC**



**Awareness program with the mothers and children during MCH clinic**



**Observation of World TB Day 2018**

## HUMAN RESOURCE MOVEMENT

<i>Our New Friends</i>				
Sl. No.	Name	Designation	Date of Joining	Applicable Level in Pay Matrix
1.	Dr. Amit Banik	Assistant Professor	14.12.2017	11
2.	Dr. Papiya Das	PH Specialist Gr.-III	21.12.2017	11
3.	Dr. Saumendu Bikash Chowdhuri	Additional Director	09.01.2018	14
4.	Dr. Sayan Bhattacharyya	Assistant Professor	16.01.2018	11
5.	Dr. P. K. Pachori	Additional Director	16.02.2018	15
6.	Dr. Rajendra Narayan Panigrahi	PH Specialist Gr.-III	14.05.2018	11
7.	Dr. Sourav Ghosh	MO	18.07.2018	10
8.	Dr. Aditi Rastogi	MO	04.09.2018	10
9.	Prof. Amit Jyoti Roy	Director Professor	29.10.2018	14

<i>Friends Who Moved-Up</i>				
Sl. No.	Name	Promoted As	Date of Promotion	Applicable Level in Pay Matrix
1.	Prof. Bivas Chaudhuri	SAG	28.02.2018	14
2.	Dr. Sanjib Kr. Das	SMO	08.05.2010	11
3.	Dr. Dipankar Dasgupta	CMO	31.01.2016	12
4.	Dr. Bobby Paul	Associate Professor	12.05.2018	12
5.	Dr. Atul Raj	Associate Professor	15.07.2018	12
6.	Sri B.N. Mondal	Superintendent	09.07.2018	6
7.	Sri K.K. Sinha	Assistant	09.07.2018	6
8.	Smt. Usha Sarkar	UDC	09.07.2018	4
9.	Smt. Rina Saha	UDC	09.07.2018	4
10.	Sri Arindam Ghosh	Accountant	09.07.2018	4

<i>Friends Who Moved-Up</i>				
Sl. No.	Name	Promoted As	Date of Promotion	Applicable Level in Pay Matrix
11.	Sri Arup Kr. Das	Technician	01.09.2018	5
12.	Sri Biswajit Roy	DEO-C	09.07.2018	6
13.	Sri Surajit Das Gupta	DEO-B	09.07.2018	5
14.	Sri K.K. Kundu	DEO-B	09.07.2018	5
15.	Sri Pradip Kumar Saha	DEO-B	09.07.2018	5
16.	Sri A.K.Singha Roy	DEO-B	09.07.2018	5
17.	Sri N. Halder	Driver Special Grade	09.07.2018	6
18.	Sri Nepal Ch. Paul	Driver Grade - 1	09.07.2018	5
19.	Sri Rajani Kanta Soren	Driver Grade - 2	09.07.2018	4
20.	Sri Sanat Ch Sandal	Driver Grade - 2	09.07.2018	4
21.	Sri Shyamal Kr Sahoo	Driver Grade - 2	09.07.2018	4
22.	Sri Sumanta Kar	Technician	01.12.2018	5

Notes: We have covered above only the cases of Promotion. MACP cases have not been covered above.

Sl. No.	Name	Designation	Date of Departure	Pay Band / Grade Pay
<i>Departure on Transfer</i>				
1.	Dr. N.C. Deb Burman	Additional Director	29.12.2017	15
2.	Dr. N. Chattopadhyay	Additional Director	29.12.2017	14
3.	Dr. Sudarshan Mandal	Additional Director	23.03.2018	14
4.	Prof. Bivas Chaudhuri	Director Professor	29.10.2018	14
5.	Dr. Aparna Pandey	PHS (SAG)	24.07.2018	14
6.	Dr. Pranab Jyoti Bhuyan	PHS (Grade-I)	18.09.2018	13
<i>Departure on Superannuation</i>				
1.	Dr. G.K. Pandey	Director Professor (HAG on NFU)	31.07.2018	15
2.	Sri S.C. Seal	Driver Ordinary	31.12.2017	2

Sl. No.	Name	Designation	Date of Departure	Pay Band / Grade Pay
		Grade		
3.	Sri S.P. Gangopadhyay	Superintendent	31.01.2018	6
4.	Sri Subrata Das	DEO-B	31-01-2018	5
5.	Sri O.P. Rabidas	Pharmacist	31.01.2018	5
6.	Sri L.N. Bag	Driver Special Gr.	31.01.2018	6
7.	Sri H.B. Dutta	Superintendent	30.06.2018	6
8.	Sri A.B. Das	Technician	31.01.2018	5
9.	Smt. Sila Dey (Mitra)	HA(F)	30.09.2018	4
10.	Sri Kunal Dutta	Technician-Cine-Technician	31.10.2018	4
11.	Sri S. Bagchi	Technician	30.11.2018	5
12.	Sri Manindra Harijan	Cleaner	31.01.2018	1
13.	Sri Meghnath Dolui	Medicine Carrier	28.02.2018	1
14.	Smt. Gita Das	Sr. Ayah	30.04.2018	1
15.	Sri Ranjit Lohar	Lab. Attendant	31.10.2018	1
16.	Smt. Sabitri Bir	Peon	30.11.2018	1
17.	Smt. S. Maya	Peon	30.11.2018	1

## OUR STUDENTS

Name of the Course (Session)	No. of Students
MD (Community Medicine), Session 2016 - 2019	10
MD (Community Medicine), Session 2017 - 2020	09
MD (Community Medicine), Session 2018 - 2021	09
M.P.H. (Epidemiology) – 2016 - 2019	04
M.P.H. (Epidemiology) – 2017 - 2020	04
M.P.H. (Epidemiology) – 2018 - 2021	06
Diploma in Public Health, Session 2017 - 2019	01
Diploma in Public Health, Session 2018 - 2020	01
M.SC in Applied Nutrition, Session 2017 - 2019	19
M.SC in Applied Nutrition, Session 2018 - 2020	20
Diploma in Dietetics, Session 2017 - 2018	31
Diploma in Dietetics, Session 2018 - 2019	19
Diploma in Health Promotion and Education, Session 2019 - 2020	46
Master in Veterinary Public Health, Session 2018 - 2020	10
Diploma in Health Statistics, Session 2018 - 2019	06
Ph.D. Student – 2016 - 2018	05
<b>Total</b>	<b>200</b>



**All India Institute of  
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