



ANNUAL REPORT 2020



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

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प्रो.(डॉ.) सुनील कुमार
एम.बी.बी.एस एवं एम.एस.(एम्स)

PROF. (Dr.) SUNIL KUMAR
MBBS & MS (AIIMS)

स्वास्थ्य सेवा महानिदेशक
DIRECTOR GENERAL OF HEALTH SERVICES



सत्यमेव जयते

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



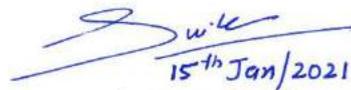
Message

I am very glad to know that All India Institute of Hygiene and Public Health, Kolkata will be celebrating its 89th Foundation Day on 22nd January, 2021 with the theme “**Multisectoral approach for Prevention and Management of COVID Pandemic**” by following the directives of Ministry of Finance and MoHFW.

It gives me immense satisfaction that during the COVID pandemic, the institute also had conducted teaching and training activities unhampered using online platforms and other services like Yellow fever vaccination, MCH services and other primary health services were provide throughout the year.

The Institute has been playing a vital role in the country through its teaching, training and research, activities in different areas of Public Health by a “**Multidisciplinary approach**”. I hope that this Institute will continue its services towards capacity building in “**Public Health Manpower**” and render quality services to the nation in the years to come under the able guidance of the Director.

I congratulate and wish success to the Institute.


15th Jan/2021
(SUNIL KUMAR)

डॉ यू के चट्टोपाध्याय
निदेशक

Dr. U. K. Chattopadhyay

MD, Ph.D, MNAMS, FIMSA, FIC (Path) Gold Medalist
WHO fellow



Director



सत्यमेव जयते

भारत सरकार

Government of India

अखिल भारतीय स्वास्थ्य विज्ञान और जन स्वास्थ्य संस्थान

All India Institute of Hygiene & Public Health

110, चित्तरंजन एवेन्यू, कोलकाता-700 073

110, Chittaranjan Avenue, Kolkata-700 073

From the Director's Desk

The Institute is preparing its Annual Report for the Year 2020 by "Soft Copy approach" not using the Print media as per directive of Min.of Finance.

All India Institute of Hygiene and Public Health, Kolkata is celebrating its 89th Foundation Day on 22nd January, 2021 with the theme "Multisectoral approach for Prevention and Management of COVID Pandemic". Throughout the year, sincere efforts were made to strive the Goals of the Institute through the teaching, research, training programmes with the proactive support of the faculties, the senior officers, the staff and the students of the Institute.

It is appreciable that Institute has organized an Webinar on "Prevention and Management of COVID pandemic" by the eminent speakers, which will be beneficial to students, faculty, public health experts, program managers and the deliberation will help in providing insight and innovative ideas for management of the pandemic. It is informed that Institute will celebrate the foundation day by following COVID guidelines in all the four campuses separately with minimum expenditure as per the guidelines of Ministry of Finance & MoHFW.

After arranging several meetings, Faculty Council meeting, and Academic Council Meeting the Institute took the decision to organise the 89th Foundation Day on on 22nd January, 2021 to keep the continuity of the previous 88th times' celebration of Foundation days as in this year the Institute becomes 89th years' old by following the guidelines issued by Min.of Finance and MoHFW with very minimum expenditure.

I take this opportunity to thank all the faculties, other senior officers, the staff and the students for their contributions in achieving the goals of the Institute, using all the preventive measures for COVID-19 Pandemic including Social Distancing. The teaching, discussions on prevention and management of COVID-19 were conducted regularly by the On-line approaches. The Institute remained open throughout the year 2020 including the Lock-down period by following the National guidelines

Utpal Kumar Chattopadhyay

(Dr. Utpal Kumar Chattopadhyay)

Director

Dr. U. K. Chattopadhyay
MD, Ph.D, MNAMS, FIMSA, FIC (PATH), WHO(F)
DIRECTOR
AIIH & PH (MOH&FW, GOI)
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भारत सरकार
GOVERNMENT OF INDIA
अखिल भारतीय स्वास्थ्य विज्ञान और जन स्वास्थ्य संस्थान
ALL INDIA INSTITUTE OF HYGIENE AND PUBLIC HEALTH
(स्वास्थ्य सेवा महानिदेशालय)
(DIRECTORATE GENERAL OF HEALTH SERVICES)
110, चितरंजन एवेन्यू, कोलकत्ता - 700 073
110, CHITTARANJAN AVENUE, KOLKATA-700 073



Message from the Dean

It is a matter of great pleasure that the All India Institute of Hygiene and Public Health is celebrating its 89th foundation day on 22nd January 2021 on the theme "Multi-Sectoral Approach for Prevention and Management of COVID Pandemic".

The world has gone through an unprecedented crisis of a Pandemic which has disrupted the social, economic and health structure of the country. Despite its huge population, social and economic heterogeneity our country has coped well. The country is currently rolling out its COVID vaccination program which is world's largest vaccination drive against COVID-19.

Despite the pandemic, all the units of our organisation have maintained their services throughout the period keeping in norms with the directives from the Government. All the academic activities have been carried out, online teaching learning activities have been conducted during the pandemic and faculty and students have learnt to adapt and utilize online interaction to their advantage.

I take this opportunity to thank all the faculty, officers, staff and students for their cooperation and contribution in achieving the goals of the institute and wish everyone the very best for the future.

(Dr Debashis Dutt)

DEAN

Dr. Debashis Dutt, MD
Dean, Director Professor & Head
Department of Public Health Administration
All India Institute of Hygiene & Public Health
Govt. of India, 110 Chittaranjan Avenue
Kolkata 700073

OUR VISION, MISSION, VALUES, AND GOALS

Vision

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

Mission

- To develop competent workforce for public health services through teaching, training, and research in the relevant fields on a regular basis.
- To strive for solutions based on the harmonious blend of capacity development, knowledge dissemination, and community engagement taking the best technological advances into consideration to improve community health and hence quality of life for all.
- To develop model centres for health services to the community, ensuring universal coverage for primary health care.

Value

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

Goals

- Conducting need based regular courses of high quality covering all aspects of Public Health.
- Designing and implementing need based short courses, and training programmes for augmenting and supplementing Public Health Workforce.
- Informing, educating, and empowering people about health issues.
- Conducting research for new insights and innovative solutions to community health problems.
- Evolving best practices and setting standards in the field of public health.
- Evaluation of effectiveness, accessibility, and quality of personal and population-based health services.
- Playing a leadership role in the field of public health through evidence based policy advocacy.
- Compliance with common statutory provisions.

ALL INDIA INSTITUTE OF HYGIENE & PUBLIC HEALTH

AN OVERVIEW

General

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

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

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

Courses

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

Sl. No.	Nodal Department*	Name of the Course(s)
8.	Preventive and Social Medicine	MD (Community Medicine).
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
	2019-20		2020-21
AIIH&PH (Genl. Comp)	39.74	AIIH&PH (Gen. Comp)	37.24
CCTC, Singur	23.50	CCTC, Singur	22.13
Capital Outlay	2.22	Capital Outlay	2.28
Total	65.46	Total	61.65

Manpower

Cadre-Wise /Category-Wise Human Resources of AIIH&PH *				
Sl. No.	Cadre / Category	No. of Posts		
		Sanctioned	In position	Vacant**
Group-A				
1.	Director	1	1	0
2.	CHS (Teaching Specialists)	23	16	7
3.	CHS (Non-Teaching Specialists)	1	0	1
4.	CHS (Public Health Specialists)	7	3 (One is posted at RoHFW, Guwahati)	4
5.	CHS (General Duty Medical Officers)	30	22	8
6.	Teaching (Non-Medical)	20	0	20
7.	ISS	3	3	0
	Total (Group – A)	85	45	40
Group – B				
8.	Gazetted	14	6	8
9.	Non-Gazetted	18	0	18
	Total (Group – B)	32	6	26
Group – C				
10.	MTS	229	131	98
11.	Canteen Staff	2	1	1
12.	Other Group - C	327	201	126
13.	Watch boy/bearer etc.	6	4	2
	Total (Group – C)	564	337	227
	Grand Total	681	388	293

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

** As on 31.12.2020

Human Resource Development

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

NEW INITIATIVES

Initiatives:

- Online conduction of classes for all the courses of AIIH &PH was initiated and syllabus was covered especially for examinee batches of DHPE, Dip. Diet, MVPH, DHS, PGDPHM and M.Sc. (A.N) courses.
- Online training on Covid-19 management, RMNCH+ A, DOTS and Cold chain management for field staffs were conducted.
- Consortium of Institutes for Health Promotion and Education is being formed and as a member of consortium Institute will play important role in human resource development especially in conducting trainings for Community Health Officers and also will be involved in research.

Other Achievements

- Medical Council of India/NMC and MoHFW has approved the increase in number of seats of MD in Community Medicine from 10 seats to 20 seats from Academic year 20-21 due to conversion of 10 Diploma in Public Health seats to degree seats.
- The Institute has been functioning as an International Centre for Yellow Fever Vaccination for travellers of Yellow Fever-endemic areas since the initiation of the program of vaccination by the WHO. During the reference period 617 travellers got vaccinated at the centre.
- Awareness campaign conducted for “Covid-19 appropriate behaviour” in the field practice area of RHU& TC, Singur and UHU& TC, Chetla.
- The Institute has been functioning as Drinking Water Potability Testing Centre as per international guidelines.
- Concept Note for “Swasth Nagrik Abhiyan” program was framed by the Institute and sent as desired by the MoHFW.

Success stories:

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

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

- Since the beginning of the Covid-19 pandemic in month of march, 2020 in India, 14 faculty members, 3 Public health specialist and 3 Sr. Medical officers of the Institute were posted by the EMR division, DGHS on several occasions in different states of India viz. Assam, Andhra Pradesh, Bihar, Gujrat, Maharashtra, Odisha, Sikkim, Uttar Pradesh

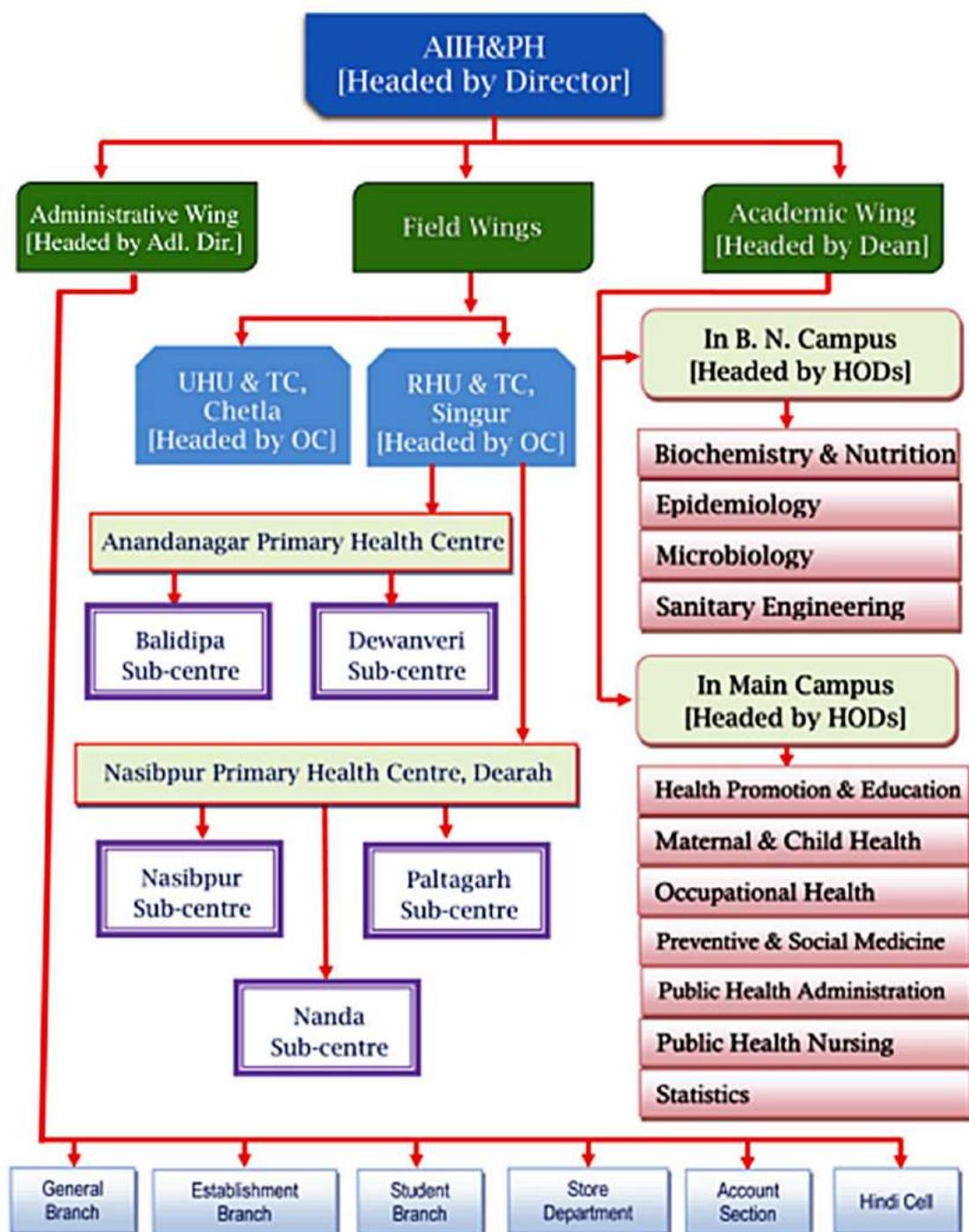
and West Bengal as Team leaders/ Team members of central team for providing assistance to the state government in the containment of Covid-19.

- Surveillance, contact tracing and containment measure for prevention of spread of covid-19 were conducted as per MoHFW and State Govt. guidelines in the field practice areas of RHUTC, Singur (Approx. 1,04,000 population) and UHUTC, Chetla (approx. 35,000 slum population). Primary health care and referral services for Covid-19 cases was provided in both the field practice areas.
- Junior residents were involved in COVID 19 surveillance monitoring under Kolkata Municipal Corporation in August-September 2020
- Faculty were also involved in awareness generation talk on “Prevention of Covid-19” conducted by All India Radio.

Contribution in containment of other Outbreaks:

- Faculty and Public health experts from the Institute were involved in Bird –flu prevention measures in the states of Chattisgarh and Jharkhand during January and March, 2020 respectively.

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. S.B. Chaudhury		Additional Director	M.B.B.S	Head, Administrative Wings of the Institute
3.	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
4.	Dr. Sangita Kalsa		CMO (NFSG)	MBBS	DDO
5.	Dr. Sanjoy Bhattacharya		Medical Officer	MBBS	CPIO, Legal Cell & Clinical Services.
6.	Shri N. N. Das		P.S. to Director	B.A.	Secretarial Assistance to the Director

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

IMPORTANT COMMITTEES/STATUTORY BODIES

Faculty Council

The Faculty Council is the executive body of the Institute, which deliberates and decides all academic issues, including the support services for the academic activities. Presently, 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 (AIHHPKKS). The Presidents and the General Secretaries of these recognized associations are the Staff Side leaders of the Office Council and the other eight staff members (six from each association) nominated by the respective staff associations are the Staff Side members of the Office Council.

Academic Cell

- | | | |
|----|---|------------------|
| 1. | Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA | Chairman |
| 2. | Dr. C.S. Taklikar, HOD, OH | Member Secretary |
| 3. | Dr. R.R Pati, Director-Professor, & HOD, B&N | Member |
| 4. | Dr. Bobby Paul, Assoc. Professor, HOD, PSM | Member |
| 5. | Dr. Bandana Sen, Dir-Prof, HOD, DOS | Member |
| 6. | Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head
SE | Member |
| 7. | Dr. Shibani Dutta Prof & HOD, HPE | Member |
| 8. | Dr. A.K Mallick, Dir-Prof & HOD, MCH Acting Head Deptt.of PHN | Member |
| 9. | Dr. Atul Raj, Assoc. Professor, HOD, Microbiology | Member |

Medical & Public Health Education Unit

1.	Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA	Chairman
2.	Dr. R.R Pati, Director-Professor, & HOD, B&N	Member Secretary
3.	Dr. A.K Mallick, Dir-Prof & HOD, MCH Acting Head Deptt.of PHN	Member
4.	Dr. Bandana Sen, Dir-Prof, HOD, DOS	Member
5.	Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head SE	Member
6.	Dr. Shibani Dutta Prof & HOD, HPE	Member
7.	Dr. C.S. Taklikar, HOD, OH	Member
8.	Dr. Bobby Paul, Assoc. Professor, HOD, PSM	Member
9.	Dr. Atul Raj, Assoc. Professor, HOD, Microbiology	Member
10.	Dr. Amitava Dan, Public Public Health Specialist, OC, RHU&TC, Singur	Member
11.	Dr. Papiya Das, Public Health Specialist, UHU&TC, Chtela	Member

Scientific Advisory Committee

1.	Dr. Debashis Dutt, Director-Professor, Dean, & HOD, PHA	Chairman
2.	Dr. Bobby Paul, Assoc. Professor, HOD, PSM	Member Secretary
3.	Dr. R.R Pati, Director-Professor, & HOD, B&N	Member
4.	Dr. A.K. Mallick, Dir-Prof., HOD, MCH	Member
5.	Dr. Bandana Sen, Dir-Prof, HOD, DOS	Member
6.	Dr. S.K Sadhukhan, Prof & HOD, Epidemiology Acting Head SE	Member
7.	Dr. Shibani Dutta Prof & HOD, HPE	Member
8.	Dr. C.S. Taklikar, Assoc. Prof., Dept. of HPE	Member
9.	Dr. Atul Raj, Assoc. Professor, HOD, Microbiology	Member
10.	Dr. S Dasgupta Prof Dept. of PSM, KPC Medical College	Member
11.	Dr. S.K Roy, Prof, ISI, Kolkata	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.	Dr. R.R. Pati, Dir-Prof., HOD, Bio. & Nutrition	Member
4.	Officer-in-Charge, RHU&TC, Singur	Member
5.	Officer-in-Charge, UHU&TC, Chetla	Member

Institutional Ethics Committee (IEC)

1.	Dr. Saibendu Lahiri, Professor & Head, Department of Community Medicine, R. G. Kar Medical College, Kolkata.	Chairman
2.	Dr. Ashok Kumar Mallick, Professor, PHA, AIIHPH, Kolkata.	Member Secretary
3.	Prof. Sudeshna Basu Mukherjee, HOD, Dept. of Sociology, CU, Kolkata.	Member
4.	Sh. A.K.M. Abdus Sadek, Senior Lecturer, Surendranath Law College, Kolkata.	Member
5.	Dr. Amit Sarkar, Secretary, OncoLink (NGO), Kolkata.	Member
6.	Dr. R.N. Sinha, Director Professor, MCH, AIIHPH, Kolkata.	Member
7.	Dr. Bobby Paul, Assoc. Professor, 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. Topoti Bhowmik, SANLAAP India | Outside Member |
| 5. | Dr. Nandiani Bhattacharya | Member |
| 6. | Dr. R. N Sinha | Additional Member
(Nominated by the Director) |
| 7. | Mr. Pradip Kayal | Additional Member
(Nominated by the Director) |

SC/ST/OBC Grievance Cell

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

Minority Cell

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

Preventive Vigilance Committee

- | | | |
|----|--|------------------|
| 1. | Dr. Dipak Pal, Director-Professor, Epidemiology | Chairman |
| 2. | Dr. Nandini Bhattacharya, SMO, Deptt. of OH | Member-Secretary |
| 3. | Dr. Sayan Bhattacharya, 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 | 3. | Dr. R. R. Pati | Member |
| 2. | Dr. C. S. Taklikar | Member Secretary | 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. Sanjay Kr. Sandhukhan | Member |

Swachh Bharat Mission Committee

- | | |
|--|-------------|
| 1. Dr. P.K Pachori | Chairperson |
| 2. Dr. Lina Banerjee | Member |
| 3. Dr. Nandini Bhattacharyya, SMO | Member |
| 4. Dr. Papiya Das, PH. Specialist | Member |
| 5. Dr. R.N. Panigrahi, P.H. Specialist | Member |
| 6. Dr. Amit Banik, Asstt. Prof. | Member |

Indian Journal of Hygiene and Public Health

Editorial Board

- | | |
|------------------------|---------------------------------|
| Chief Editor: | Dr. Dr. A. Vajpayee |
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| Joint Managing Editor: | Dr. Dipak Pal
Dr. R. N Sinha |
| Asst. Managing Editor: | Dr. Sanjoy Kumar Sadhukhan |

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- | | |
|-------------------------|----------------------|
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| Dr. Shibani Dutta | Dr. Lina Banerjee |
| Dr. Nirmal Kumar Mandal | Smt. Sharmila Sanyal |
| Dr. Rama RanjanPati | Dr. Shibani Dutta |
| Dr. C.S. Taklikar | Dr. Atul Raj |
| Dr. Bobby Paul | |

Advisory Board

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Dr. P.K. Sen, Director, NBVDCP
Prof. Jayanta Kumar Das, Director, NIHFW, New Delhi
Dr. Shanta Dutta, Director, NICED, Kolkata
Director, STM, 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. Madumita Bhattacharya Chairman
2. Dr. C. S Taklikar 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. Tapas Sarkar, MTS Member
8. Sh. Raju Hela, 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

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 |

BIDHAN NAGAR CAMPUS

Introduction:

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

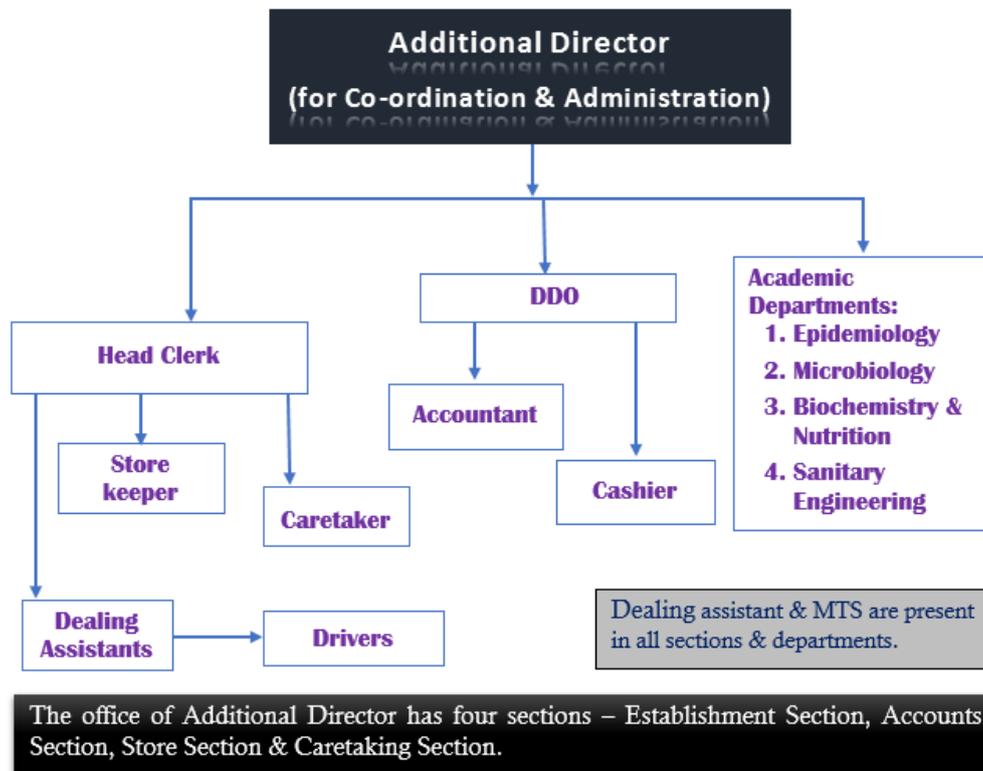
The foundation stone of the Bidhan Nagar Campus as a nodal centre for education, training and research in public health was laid by Mr. A.R. Antulay, the then Minister of Health & Family Welfare in 1994. The campus started functioning when four departments namely, Microbiology, Epidemiology, Sanitary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

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



Figure 1: Main Building, Bidhan Nagar Campus

Administrative setup



Administrative Setup



Dr. Bhaskar Sen
Additional Director & Officer-in-Charge
(From 6th March to 24th November, 2020)
MBBS

E-mail: bhaskarsen14@yahoo.co.in
Mobile No.: +91 89108 26306



Dr. Deepa Shaw
CMO, NFSG & Officer-in-Charge
(from 24th November, 2020)
MBBS

E-mail: doctordeepa04@gmail.com
aiihphbnc@gmail.com
Mobile No.: +91 90519 38055
Area of expertise: Clinical Medicine,
Administration.

Other Administrative Staff

Sl. No.	Cadre /Category	Number
1	Head Clerk	1
2	Assistant	1
3	UDC	2
4	LDC	5

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

Institute Building

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

- **Staff quarters**

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

- **MOH&FW office**

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

- **Gents Hostel & Ladies Hostel**

The campus has Gents and Ladies hostel with adequate facilities

- **International Hostel**

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

- **Guest House**

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

- **Water treatment plant**

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

- **One jumbo generator set**

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

- **Contractual canteen**

Canteen serves 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.

Some Important Photographs



Figure 2: Observation of Jan Andolan



Figure 3: Vigilance awareness Program



Figure 4: Communal Harmony & Flag day



Figure 5: Constitutional day reading of preamble of Constitution

हिन्दी अनुभाग



मनीन्द्र नाथ विश्वकर्मा (एम ए - हिन्दी, समाजशास्त्र)

सहायक निदेशक (राजभाषा)

E-mail: dayamaniaruni@gmail.com

परिचय

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

अनुभाग का कार्य-कलाप

1. हिन्दी कक्ष से जन स्वास्थ्य नामक वार्षिक पत्रिका प्रकाशित की जाती है । वर्तमान में रिक्तपदों के कारण उक्त पत्रिका का प्रकाशन नहीं हो सका ।
2. इस वर्ष दिनांक 06/02/2020 को हिन्दी शिक्षण योजना, राजभाषा विभाग, गृह मंत्रालय, निजाम पैलेस के तत्वावधान में संपर्क अधिकारियों (हिन्दी) की बैठक संस्थान में आयोजित की गई । इस संपर्क अधिकारियों की बैठक में हिन्दी भाषा, टंकण, आशुलिपि प्रशिक्षण को बढ़ावा दिये जाने पर विचार-विमर्श किया गया ।
3. इस वर्ष दिनांक 16/09/2020 को केन्द्रीय काँच एवं सिरामिक अनुसंधान संस्थान, यादवपुर, कोलकाता - 32 के द्वारा नगर राजभाषा कार्यान्वयन समिति (कार्यालय-2) की बैठक माइक्रोसॉफ्ट टीमस के माध्यम से आयोजित की गई थी। इसमें संस्थान के सहायक निदेशक(राजभाषा), श्री मनीन्द्र नाथ विश्वकर्मा ने अंश ग्रहण किया।
4. 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: 16 (2019-21 batch)

- M.Sc. 2nd year: 19 (2018-20 batch)

- Diploma Dietetics: 24 (2019-20 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

E-mail: dr.snigdhabasu@gmail.com
Mobile No.: 94322 00136
Area of expertise: Public Health



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
Cook	1	Assist Faculty to conduct practical classes
MTS	1	Support Service

Membership of Committees

- Participation of Dr. Rama Ranjan Pati in different Committees:
 - Member, Biomedical Waste Management Committee;
 - Member, Budget Committee;
 - Member, E-journal of AIIH & PH, Kolkata.
- Participation of Dr. Snigdha Basu in different Committees
 - Member, Condemnation Committee;
 - In-charge, Stores, Bidhan Nagar Campus.

- Participation of Smt. A. Bandyopadhyay in different Committees:
 - Hostel Warden of Bidhan Nagar campus of AIIH & 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.
- 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 02-03-2020 to 13-03-2020 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 03.02.2020 to 14.02.2020 at Singur Field Practice Area.

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

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

Teaching Activities

- **Regular Courses Conducted:**

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

- **Regular Activities:**

Departmental faculty take regular theory and practical classes as well as organize community based learning experiences to the Post Graduate students e.g. MPH (Epidemiology), MD (Community Medicine), MVPH, PGDPHM, DPH, DHPE, MSc (Applied Nutrition), DHS etc.

The Department faculty guided and supervised the core course students in conducting Community Diagnosis survey, Risk Factors of Non Communicable Diseases, and Immunization Coverage Evaluation survey by 30 Cluster Technique at Singur, Hooghly. The departmental faculty also provided guidance and supervision in Family Care program of core course students in UHU&TC, Chetla Kolkata.

Training Conducted:

- Training on "Scientific Writing" in the dept. from 12-14th February, 2020.

New Initiatives

1. Initiatives taken for under graduate (MBBS) teaching assignments of students of MD (MPH Epidemiology) course conducted by this department in State Medical Colleges.
2. Initiatives taken for considering the MD (MPH Epidemiology) degree as essential qualification for selection/recruitment of all relevant "Public Health" posts/courses esp. for i) Public Health Specialists/Epidemiologists ii) Senior Residency and subsequent Teaching Faculty (Assistant Professors onwards) positions in departments of Community Medicine/Public Health/ Preventive & Social medicine etc. and iii) Any existing DM course where MD(Community Medicine) is eligible.

Collaborations

Department is conducting IDSP Training in collaboration with CSU IDSP.

Faculty



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

E-mail: sdksanjoy@gmail.com
Mobile No.: 98362 87874
Area of expertise: Epidemiology, Research
Methods, Programme Evaluation, Biostatistics.



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

E-mail: drdipakpal@yahoo.co.in
Mobile No.: 94331 87734
Area of expertise: Non Communicable Disease
Epidemiology, Disaster Epidemiology, Disease
Surveillance.

Other Members

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

Publications:

- Bandyopadhyay S, **Pal D**, Dasgupta A, Datta M, Paul B: Status of maternal health care services: An assessment study in slums of Kolkata, J Family Med Prim Care 2020; 9 : 4861-8.
- Banerjee A, **Pal D**, Bhattacharyya S, Raj A, Banik A: Community acquired recurrent urinary tract infection caused by Pseudomonas aeruginosa in a Public Health Institute in Eastern India: A Case report, Indian Journal of Case Reports, Vol.5, Issue 6, Nov-Dec 2019, Pages 587-8.

Presentations in Conferences:

- In 47th Annual National Conference of Indian Association of Preventive & Social Medicine (IAPSM), held at Mahabalipuram, Tamilnadu –
 - Dr. S. K. Sadhukhan presented paper entitled “Nutritional Status of Post menopausal Women in an Urban Community of Bankura District, West Bengal.”
 - Dr. Arnab Ganguly, JR-MD(MPH Epidemiology) presented papers entitled-
 - Internet addiction among undergraduate students of a college in a district of West Bengal.

- Factors influencing to study hospital management for a career in healthcare among undergraduate students of a college in Kolkata, India
- Dr. Hasibur Zaman Haque, JR-MD (MPH Epidemiology) presented paper entitled “A Cross Sectional study on Oral Hygiene among Santhal Tribal Adults in a village of Paschim Bardhaman, West Bengal.”
- **In 64th Annual National Conference of Indian Public Health Association (IPHA), AIIMS, New Delhi –**
 - Dr. Arnab Ganguly [JR-MD(MPH Epidemiology)] Presented paper entitled “Conflict dynamics in Indian Healthcare: An exploratory study on primers of conflict in private clinical establishments of Kolkata”
 - Dr. Hasibur Zaman Haque [JR-MD(MPH Epidemiology)] Presented paper entitled “A Cross Sectional study on E-waste Awareness and Management among College Students”

Research Work

- **Dr. Sanjoy Kr. Sadhukhan acted as a guide in thesis work on:**
 - Occupational hazards and morbidity of Garment Factory Workers of East Midnapur district, WB by Dr. A. Pal, MD(PSM) student 2017-20 batch
 - Morbidity, Health Seeking Behaviour and Health Expenditure in Rural Community of Hooghly District, West Bengal by D. P. Ghosh, MD(PSM) student 2018-21 batch
 - A Cross-sectional Study of Depression among Students of a Post Graduate Public Health Institute in West Bengal by Dr. S. H. Das, DPH student, 2018-20 batch
 - A study on early marriage and its associates in Singur block, Hooghly district, West Bengal by Dr. S. Das, MPH student, 2018-21 batch.
 - Study on Nutritional Status of Post menopausal women in an Urban community of Kolkata by S. Parveen, M Sc (AN) student, 2018-20 batch
 - A cross sectional study on depression and its associates amongst school going adolescents in Singur, A rural area of West Bengal- Dr Subhrajee Chakraborty, MPH (Epidemiology) PGT, Session - 2019-22.
- A. Others (helped/assisted) - Within AIHH&PH**
 - Complementary Feeding Practices of Mothers of 6mo-2 years old children in an Urban Community of West Bengal by D. Nandi, M Sc (AN) student, 2018-20 batch
 - A Study on Assessment of Nutritional and Immunization Status and Feeding Practices of under 5 Children attending ICDS Centres in Rural Community of PurbaBardhaman district, West Bengal by P Pal, M Sc (AN) student, 2018-20 batch
 - Association of dietary and lifestyle choices with menstrual pattern among students of a college in an Urban area of West Bengal by S Gorai, M Sc (AN) student, 2018-20 batch

B. Others (helped/assisted) - Outside AIIH&PH

- Study on Risk Factor of NCDs with special focus on CVDs and Diabetes prevailing among the employees in NSCBI Airport Kolkata by Dr. M. Kundu, PH Specialist, NSCB airport, Kolkata
 - Medical Co-morbidity, Drug Use and Medication Management Perspective among the Geriatric population: A study from a Urban Community of Kolkata by Dr. A. Sinha, NICED.
 - Comparative study between CBNATT & LPA assay for the detection of Mtb complex and Genotype determination of RMP resistance by Dr. S. Chattopadhyay, MD(Microbiology) PGT, WBUHS
 - A Study of Psychological Morbidity of Nursing Students in a Rural Nursing Institution; PhD thesis (WBUHS) by R Giri.
- **Dr. Dipak Pal acted as a guide in thesis work on:**
 - 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.
 - 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. Saurya dipta Ghose, MD (Community Medicine) PGT, Session - 2018-21.
 - A community based study on sleep quality and its associates among adults in a rural area of Hooghly district, West Bengal – Dr Kuntal Pal, MPH (Epidemiology) PGT, Session - 2019-22.

Short Studies completed till date:

- Proportion of Asymptomatic Bacteruria among Pregnant Women Attending Antenatal Clinic at Anandanagar Health Centre under Singur Block
- Contraceptive Awareness and Practices among Female Brick-Kiln Workers in Singur Block, Hooghly.
- A Cross-Sectional Study on Sleep and Menstrual Problem among Students of Dietetics and Nutrition in a Post-Graduate Institute in Kolkata
- A Cross Sectional Study on Oral Hygiene among Santhal Tribal Adults in a Village of Paschim Bardhaman, West Bengal
- A cross-sectional study on prevalence of Post-Natal Depression and its associates among women in a rural community in Hooghly district, West Bengal.
- Cross sectional study on prevalence of post-natal depression and its associates among women in a rural community in Hooghly district, West Bengal.

- Cross sectional study on prevalence of sleep hygiene, sleep quality and excessive day time sleepiness and factors affecting quality sleep among students of AIIH&PH, Kolkata.
- Cross sectional study on Oral hygiene among tribal adults of Paschim Bardhaman district, West Bengal.
- Cross sectional study on e-waste management and practices among college students.
- Internet addiction among undergraduate students of a college in a district of West Bengal.

Conference/Seminars/Workshop Attended

- **Dr. S. K. Sadhukhan Professor & Head**

- Attended 47th Annual National Conference of Indian Association of Preventive & Social Medicine (IAPSM), held at Mahabalipuram, Tamilnadu from 28-30th January, 2020
 - Presented paper entitled “Nutritional Status of Post-menopausal Women in an Urban Community of Bankura District, West Bengal.” in “Poster Paper Session”

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

- Participated in 6 days Pilot TOT for revision of Modules of IDSP organised by CSU, IDSP held at NIHFWS, New Delhi from 27.01.2020 to 01.02.2020

EMR Duty:

- **Dr. Sanjoy Kumar Sadhukhan:**

- In Kurnool district of Andhra Pradesh from 07-05-2020 to 29-05-2020 to assist state health departments in COVID 19 management
- In Patna district of Bihar from 18-08-2020 to 24-08-2020 to assist district/state health departments in COVID 19 management.

- **Dr. Dipak Pal**

- Inspected villages of West Sikkim district, Sikkim bordering Nepal from 18-02-2020 to 21-02-2020 regarding Community level IEC activities for Covid 19 preparedness.
- In the Thane district, Maharashtra from 07-05-2020 to 28-05-2020 to assist state health departments in COVID 19 management

Membership of Committees

- **Dr. S. K. Sadhukhan,-Professor & Head:**

- Apron Committee
- Quarter Allotment.
- Screening for Appointment on Compassionate ground.

- Vehicle.
 - IT Capacity Building.
 - Training Cell Committee
 - Medical & Public Health Education Unit
 - Journal Management committee, IJH&PH including Asstt. Managing Editor & Editor.
 - Techno-Commercial Committee
 - Committee for implementing EWSs reservation policy in Recruitment & Student admission.
 - Institutional Ethics Committee.
 - Member, Board of Studies, the WBUHS, Post graduate Medical Courses, AIIH&PH, Kolkata.
- **Dr. D. Pal, Director-Professor:**
 - 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, Board of Studies, the WBUHS, Post graduate Medical Courses, AIIH&PH, Kolkata.

Examiners:

- **Dr. S. K. Sadhukhan, Professor & Head acted as**
 - Paper Setter for MSc Applied Nutrition & Dip-diet Examination of WBUHS.
 - Acted as Evaluator of two PhD theses under WBUHS.
 - Paper setter, Internal Examiner & Convener for MD (MPH Epidemiology) examination of WBUHS (June & October 2020).
- **Dr. Dipak Pal, Director-Professor acted as:**
 - Paper Setter and Examiner for MPH (Epidemiology)Examinations, March and October, 2020 of the West Bengal University of Health Sciences.
 - Adjudicator of thesis of PhD Examination of the West Bengal University of Health Sciences in the month of July, 2020.
 - Adjudicator of dissertation of MD (Community Medicine) of the West Bengal University of Health Sciences.

Field Activities/Programmes Undertaken:

- MPH (Epidemiology) students of the session 2018-21 conducted Health Situational Analysis, Secondary Data Analysis, National Health Programme Evaluation and Surveillance System Evaluation in districts of 24 Parganas(North), 24 Parganas (South), Howrah and Hooghly.
- Dept. coordinated Community Diagnosis Survey, Risk Factors of Non Communicable Diseases, and Immunization Coverage Evaluation Survey by 30 Cluster Technique at Singur, Hooghly.

Meetings attended

- **Dr. Dipak Pal, Director-Professor**
 - Attended E- meeting of Expert Committee Groups to finalise IDSP TOT Training Manuals on 5th October, 2020.

Administrative Responsibilities

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

Swachh Bharat Mission Activities

Apart from continuing Swachhata drive in the Department, 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:



Figure 1: Dr. S. K. Sadhukhan in EMR duty in Kurnool district of Andhra Pradesh



Figure 2: Dr. S. K. Sadhukhan in EMR duty in Patna district of Bihar



Figure 3: Training on Scientific Writing: Participants & Resource persons



Figure 4: Dr Dipak Pal, Director-Professor on EMR duty in West Sikkim District, Sikkim



Figure 5: Dr Dipak Pal, Director-Professor on EMR duty in Thane district, Maharashtra.

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 1133 trained manpower in Health Promotion and Education.

Teaching Activities

- **Regular Course Conducted:**

Diploma in Health Promotion and Education – a one year post graduate course for developing Health Promotion and Education Specialists. The course has an intake capacity of 46 and is affiliated to the West Bengal University of Health Sciences.

New Initiatives:

Consortium of Institutes for Health Promotion and Education is being formed and as a member of consortium Institute will play important role in human resource development especially in conducting trainings for Community Health Officers and also will be involved in research.

Faculty

Dr. S. Datta, was HOD from 17.08.2019 to 30.06.2020



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

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



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

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



Dr. Monalisha Sahu
Assistant Professor
M.B.B.S., M.D

E-mail: drmonalisha@outlook.com
Mobile No.: 9873927966
Area of expertise: Health Promotion, Health Education, Maternal infant and young child nutrition, Healthy work Environment

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.
MTS	2*	Support Service
*Erstwhile one Carpenter & one Peon.		

Publications

- **Sahu M, Dobe M.** How Asia's Densest Slum flattened its COVID Curve. SEEJPH.;60:117-21
- **Sahu M, Dobe M, Yadav K.** Structural Vulnerability COVID-19 in India- A Socio-epidemiological Approach for Health Promotion. J Comprehensive Health 2020;8(2): 60-65
- **Dobe M, Sahu M.** How the Kurnool district in Andhra Pradesh, India, fought Corona. SEEJPH.2020;60:117-21
- Sembagamuthu Sembiah , Aparajita Dasgupta, **Chandrashekhar S. Taklikar**, Bobby Paul, Lina Bandyopadhyay and Jayeeta Burman Elder abuse and its predictors: a cross-sectional study in a rural area of West Bengal, eastern part of India Psychogeriatrics 2020 Sep;20(5):636-644.

Research Work

- A Community based study on assessment of Palliative Care Needs among Elderly Population in a slum of Kolkata
- A School Based Interventional Study on Physical Activity and Healthy Diet Based on the Theory of Planned Behaviour among Adolescents in Schools in Uttarpara, Hooghly
- Elder abuse and its predictors: a cross-sectional study in a rural area of West Bengal, eastern part of India
- An interventional study based on health belief model regarding cervical cancer screening practices among women of age 30-65 years in a slum in Kolkata

- A Study on Behavioural Change Communication Interventions for Prevention and Control of Anaemia among Pregnant and Lactating Women in a Block of South-24Parganas
- A study on home hygiene practices in residents of Noapara village, Singur, Hooghly (WB)
- A Study on behavioural risk factors for NCDs among school children
- A study on Evaluating BCC materials for Covid 19 prevention in Odisha
- Assessment of perceptions and practices of frontline workers (ASHAs) regarding Covid 19 in Odisha

Conference/Workshop/Seminars attended)

- **Dr. M. Dobe**

- 47th Annual National Conference of IAPSM at Mahabalipuram March 2020

- **Dr. Monalisha Sahu**

- Participated as resource person and organizing committee member for POSHACON 2020, First National Conference of MIYCN-IAPSM National Working Group of IAPSM in collaboration with Alive & Thrive, India
- Participated and Presented Oral paper at International Conference of Occupational and Environmental Health-2019, Mumbai
- Participated in Webinar on: A Multilateral Response to Misinformation and Data Transparency As part of the World Health Organization 3rd Virtual Global Infodemic Management conference.
- Webinar on “Influencing Risk Perceptions about COVID-19” hosted on the 29th September 2020 organized by WHO Information Network for Epidemics (EPI-WIN), Health Emergencies Programme, World Health Organization

Committees

- **Dr. C. S Taklikar**

Member Secretary/Nodal Officer:

- Recruitment committee
- Head –Social network
- Hostel canteen committee
- Board of Studies Non-MCI courses
- Nodal Officer for AI 50 % Quota PG counselling

- OBC reservation review committee
- Publication committee- Foundation Day 2019

Member:

- Cadre review committee
- Canteen committee
- Plastic Hazards committee
- Hostel Canteen committee
- DSC & MACP committee
- Faculty council
- Scientific committee
- Academic cell
- Medical & Public Health Education Unit
- IJHPH editorial board member
- BOS of MCI courses
- Member CBPHEM – Trainings
- Public Health & Medical Education Unit
- Institutional Ethics committee
- **Prof. M. Dobe – Director-Professor**
 - Advisor Technical Advisory Committee (TAC) WBSAP&CS
 - Member of the expert advisory group of IFH
 - Member Scientific Advisory Committee NIPER Ø
 - Regional editor for the SEA Region SEEJPH Ø
 - Member SAC Fortis Hospitals Ø
 - Member Institutional Ethics Committee Institute of Development Studies Kolkata
 - Member Advisory Council of the Indian Institute of Public Health, Delhi.
- **Dr. Monalisha Sahu**
 - MIYCN Core Committee member of IAPSM,
 - Editorial Board Member for Acta Scientifica, South Eastern European Journal of Public Health.
 - Member, Committee to review skill-development related courses in the health sector for regarding the review and feedback on the curriculum.

- Assistant Nodal Officer, for institutional committee on Digital Mission Mode Project I, Medical Council of India
- Member, Institutional Disaster Risk Reduction Committee

Guest Lectures Delivered

- **Dr. C. S Taklikar**

- Participated as Invited speaker on World Rabies Day 2020 organized by Lakhimpur Veterinary College, Assam on the topic “Prevention & Control of Rabies in India”
- Participated as Invited speaker on World Antimicrobial Resistance Awareness Week 2020 organized by Dept. of Microbiology, on the topic “Role of Health Education & Training in Prevention of AMR”

- **Dr. M. Dobe**

- Dr. M. Dobe participated in Health Awareness programs conducted by AIR on: Covid 19 infection – prevention and addressing panic 2020

- **Dr. Monalisha Sahu**

- Webinar on ‘Health, Hygiene and Covid-19 as Guest speaker for Observance of Swachhta Pakhwada, for Kolkata Port Trust.
- Virtual discussion as expert panel on ‘Solid Waste Management System Analysis for Menstrual health program in Kolkata’ organised by IOSH,ISWA-SWM,CWMP Delhi
- Invited as a resource person for a virtual International Conference on "Promoting health and well-being" by Shrimad Rajchandra college of physiotherapy Bardoli, Gujarat

EMR

- Dr. M. Dobe was involved in Bird Flu prevention and control in Ranchi District Jharkhand March, 2020
- Dr. M. Dobe was posted as Central team member to assist State govt. Of Andhra Pradesh in prevention & control of Covid 19 in Kurnool Andhra Pradesh May, 2020
- Dr. C.S Taklikar was posted as member of Central EMR team to assist Govt. of Bihar in management of Covid 19 pandemic October, 2020.
- Dr. M. Sahu – Dr Sahu attended EMR duties as a member of Central public health team to assist the State Health Departments in implementation of Cluster Containment plan, micro-plan and to check hospital preparedness for COVID19 control in Mumbai from 07/05/2020 to 22/05/2020.

Examiners

- **Dr. M. Dobe**
 - DHPE examination Paper setter and Examiner conducted by WBUHS -2020 and & National Institute of Public Health Training & Research (Ministry of Health & FW, Govt. of India)
 - Ph.D. Examiner JNU Delhi.
- **Dr. C. S Taklikar**
 - DHPE examination Paper setter and Examiner conducted by WBUHS 2020
 - Dip. Diet examination Paper setter and Examiner conducted by WBUHS 2020
 - M.Sc. (A.N) Paper setter conducted by WBUHS 2020
- **Dr. Monilisha Sahu**
 - DHPE examination Paper setter conducted by WBUHS 2020

Field Activities/Programme:

- Field training Programme on 'Household Hygiene Index' was conducted at RHUTC, Singur for DHPE session 2019-20.
- Field training on Organization of Health Exhibition at Singur on 23.12.2019

Achievements

- Dr. M. Dobe, participated as member of the mission for Independent assessment of kala-azar elimination programme in India organized by WHO Country office in coordination with Ministry of Health & Family Welfare (MoH&FW), Government of India and Directorate National Vector Borne Disease Control Programme (NVBDCP).
- Dr. M. Dobe, participated as mentor in the 'Brainstorming Meeting' of potential investigators to develop multi-centric projects in thematic groups on 19-20th February organized by Malaria Elimination Research Alliance – India (MERA India), ICMR.
- Dr. M. Dobe acted as Coordinator – multi-centric projects on Community behaviour theme - by Malaria Elimination Research Alliance – India (MERA India), ICMR.
- Dr Sahu Nominated as National Expert for implementation of research project on MIYCN in collaboration with Alive & Thrive , IAP & FOGSI.

Some Photographs of Our Activities



Figure 1: DHPE students on transect walk visiting schools and houses to inspect 'Household Hygiene Index' and identify Local Leaders



Figure 2: Faculties and DHPE students and the departmental team with the Sarpanch and local youth club representatives for 'Swasthya Mela' at Singur on 23.12.2019



Figure 3: Faculty and Participants for MTS staff Training programme at RHUTC Singur



Figure 4: EMR Field activities with BMC team on inspection of COVID-19 Containment zone, Mumbai.



Figure 5: EMR Field activities with BMC team on inspection of COVID-19 Fever Clinics, Mumbai.

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

Faculty



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

E-mail: ashokmallick62@yahoo.co.in

Mobile No.: 9433464500

Area of expertise: Health System Management and leadership, HRD, VBDs, Health Promotion & Education, Health education & BCC, Adolescent health & Demography.



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

Email: rabindranathsinha57@gmail.com

Mobile No.: 9433101001

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



Dr. Madhumita Bhattacharya
CMO & Associate Professor
Paeds(eq)
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

- **Sinha R N.** “Insufficient Physical Activity: A Global Public Health Concern”. J Comprehensive Health 2020;8(1), 1-5 [https://www.journalofcomprehensivehealth.co.in/jch/article/view/25]
- Sarkar B, **Sinha RN**, Sarkar K. “Initial viral load of a COVID-19-infected case indicated by its cycle threshold value of polymerase chain reaction could be used as a predictor of its transmissibility - An experience from Gujarat, India”. Indian J Community Med 2020;45:278-82 [https://www.ijcm.org.in/text.asp?2020/45/3/278/294166]
- Amitabha D, **Sinha R N**, Birla V, Pasi A R. “ COVID - 19 Pandemic Preparedness in Vadodara district of Gujarat in India”. IP Int J Med Microbiol Trop Dis 2020;6(3):129-134 [https://www.ijmmt.org/article-details/12383]
- Kumar M, Dasgupta A, **Sinha R N**, **Bhattacharyya M**, Paul B. “Why are our elderly distressed? A cross-sectional study in a rural community of West Bengal”. J Family Med Prim Care [serial online] 2020 [cited 2021Jan4]; 9:3532-8. [https://www.jfmpc.com/text.asp?2020/9/7/3532/290845]

Research Work

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

- A comparative study on Knowledge, attitude and Practice of college going women regarding common Cancer affecting Females in a rural and urban area of West Bengal. (Thesis for MD, CM- 2020-23 session)
- A Study on Knowledge, Attitude and Practice on health impact of Fast food among the College going students in Kolkata, West Bengal (M.Sc. App. Nutrition Session 2015-17).
- **Dr. R. N. Sinha, Director Professor acted / acting as supervisor cum guide to the following curricular research studies:**
 - “Health Related Quality of life of Women having Polycystic Ovarian Syndrome attending a tertiary care Hospital in Kolkata [M.D. (Com Med) thesis 2020-23].
 - “A Community Based Study on Infant and Young Child Feeding Practices in a Rural Area of Hooghly District, West Bengal.” [M.D. (Com Med) thesis 2020-23].
 - “A Study on Delays and Cancer Related Distress among Breast Cancer Patients Attending a Tertiary Care Hospital, Kolkata, West Bengal” [MD (Com Med) thesis 2019-22]
 - 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. (Com Med) thesis 2018-21].
 - An Epidemiological Study On Prevalence And Determinants of Hypertension Among Adolescent School Students Of Government Higher Secondary Schools In Chetla Area Of South Kolkata [MPH (Epidemiology) thesis 2018-21]
 - Prevalence and risk factors of Non communicable diseases among Adolescents in India: A review M.Sc. Applied Nutrition 2019-20
- **Dr. Madhumita Bhattacharyya acted:**
 - As a guide “A study on Hygiene and Cleanliness Practices of Mid-day meal Programme in Primary and Upper Primary Schools in a Rural Area of North 24 Parganas, West Bengal knowledge and p M.Sc. (Applied Nutrition 2019-20)
 - Co-guide for thesis on “A Study on Urinary Abnormality among School Going Adolescents in a Rural area of Hooghly District, West Bengal”. MD (Community Medicine) 2019-22.
 - Co-guide for thesis on “A Study on Assessment on Developmental Delay and Associated Factors in Tribal Children below 5 years of age in an Island of Sunderbans” MD (Community Medicine) 2019-22.
 - Co-guide for thesis “A Cross-sectional study on Health Status and Health Seeking Behaviour of School going Adolescents in a rural Area of Hooghly District, West Bengal. MD (Community Medicine, session 2020-23)

- Co-guide for thesis on “A Cross-sectional Study on Morbidity Profile of Printing Press Workers in a municipality of North 24 Parganas, West Bengal, MD (Community Medicine, session 2020-23)
- Co-guide for thesis on “A Study on Burden of Malaria Infection and Household Level Risk in Urban and Rural Area of West Bengal MD (Community Medicine, session 2020-23)
- Co-guide for thesis on “A study on morbidity and Health seeking behaviour among the Zari Embroidery workers in a rural Community of Howrah district West Bengal” MD (Community Medicine, session 2020-23)
- **Dr. Asim Sarkar acted as supervisor cum guide for:**
 - Acted as co-guide of “A comparative study on Knowledge, attitude and Practice of college going women regarding common Cancer affecting Females in a rural and urban area of West Bengal”. (Thesis for MD, CM- 2020-23 session)

Conference/Workshop/Seminars attended

- **Dr. A. K. Mallick, Director Professor**
 - Attended the “87th. National annual Conference of IAPSM held in Mahabalipuram, during 28-30th. January, 2020
- **Dr. R. N. Sinha, Director Professor**
 - Acted as resource person in “Training Programme on Scientific Writing” conducted by Dept. of Epidemiology of AIIH & PH; conducted session on “Ethical Issues, Plagiarism and Editorial Processing (14-02-2020)
 - Attended Advocacy Workshop “Multi-Sectoral Approach in Early Childhood Development: from Policy to Practice” organized by UNICEF (W.B) at CII-Suresh Neotia Centre of Excellence, Kolkata (12-12-2019).
- **Dr. Madhumita Bhattacharyya, CMO & Associate Professor (Equated)**
 - Attended Invited and acted as Chairperson in a session at Annual Conference of IAP at Indore, MP “Newer management of Congenital Hydronephrosis” held in the month of January 2020.
- **Dr. Asim Sarkar, CMO (NFSG) & Assistant Professor (Equated)**
 - Attended as a resource person in “first –aid training” for PG students at Institute proper.

Membership of Committees

- **Director-Prof. A.K.Mallick acted as:**
 - Chairman , DPC/MACP committee

- Chairman, Reservation Cell of the Institute;
- Chairman, Committee for Written examination for Recruitment
- Chairman, Committee for implementation of EWS scheme.
- Chairman, Suggestion Committee for SC, ST & OBC students.
- Chairman, TEC
- Member Secretary , Institutional Ethics Committee of AIIH&PH, Kolkata;
- Member Secretary , Board of Studies for MCI recognized courses of AIIH & PH;
- Liaison Officer of AIIH&PH, Kolkata;
- Liaison Officer for PWD of AIIH&PH, Kolkata;
- Nodal Officer for the Institute for All India Survey on Higher Education (AISHE);
- Member, Scientific Advisory Committee and Academic Cell, AIIH&PH;
- Nodal officer for PG Admission of State quota;
- Member, Faculty Council.
- Member of several other Committees of the Institute;
- Additional charge of HOD of the Department of PHN
- **Director-Prof. R. N. Sinha acted as:**
 - Member, Scientific Advisory Committee, AIIH&PH, Kolkata;
 - Member, Institute Ethics Committee, AIIH&PH, Kolkata;
 - Member, Board of Studies, AIIH&PH, Kolkata;
 - Chairman, Annual Foundation Day – Refreshment Committee
 - Chairman, Swachhata Committee
 - Member, Internal Complaints Committee, AIIH & PH, Kolkata
 - Joint Managing Editor, Indian Journal of Hygiene & Public Health.
- **Dr. Madhumita Bhattacharyya acted as**
 - Member- Secretary, Sexual Harassment Committee, AIIH&PH, Kolkata;
 - Chairman of Institute Canteen Committee
 - Member of Hostel Canteen Committee, AIIH&PH, Kolkata;
 - Member of Library Committee, AIIH&PH, Kolkata.
 - Chairman of e-HRMS Committee
 - Nodal officer for Observation of Constitution day
 - Nodal officer for observation of communal harmony week and Flag day

- **Dr. Asim Sarkar acted as**
 - OSD, Stores, AIIH&PH, Kolkata;
 - Member, Condemnation Committee, AIIH&PH, Kolkata;
 - Member, Vehicle Condemnation Committee, AIIH&PH, Kolkata;
 - Member, Medical Bill Reimbursement Committee, AIIH&PH, Kolkata;
 - Member Secretary, Technical Evaluation Committee, AIIH&PH, Kolkata;
 - Member Secretary, Refreshment Committee, AIIH&PH, Kolkata;
 - GEM Consignee, AIIH&PH, Kolkata;
 - Member of evaluation committee, AIIH&PH, Kolkata.
 - Liaison officer -OBC

Guest Lectures Delivered:

- **Dr. M Bhattacharyya:**
 - Invited as a speaker in a scientific session on Current immunization in a seminar organized by IMA ,Behala on 16/2/2020
 - Invited as a facilitator on training on IYCF (online)for CDPOs and AWW of various regions of West Bengal on 28.8.20,3.9.20 and 10.9 20 from Dept. of Nutrition, Ministry of Women & Child Development.
 - Invited as a trainer on “Immunization” for students of Diploma in Sanitary Inspector course, All India Institute of Local Self-Government, Kolkata on 11/11/2020

Examiners

- **Dr. A. K. Mallick, Director-Professor, acted as**
 - Paper Setter for DHPE examination under WBUHS.
 - Examiner, DHPE examination, WBUHS
- **Dr. R. N. Sinha, Director- Professor, acted as-**
 - Paper Setter : DHPE examination 2019 (Paper I/ Gr –A) of WBUHS (June 2020)
 - Paper setter: MPH (Epidemiology) Paper III (March- April 2020)
 - External Examiner of B.Sc. Part III (Hons.) Practical Exam, 2020 of Food & Nutrition
 - atthe Dept. of Home Science, of Calcutta University at Viharilal College, Calcutta [13-03 -2020]

- External Examiner (Viva-voce) of Ph. D (Sc.) thesis of Calcutta University. “Study of Oxidative Stress and Polymorphism of Vascular Endothelial Growth Factor Gene in Patients with Type II Diabetes Mellitus”[20-11-2020]
- Evaluator, Dip-Diet, 2019 four answer scripts [Subject: Food Science and Community Nutrition] of WBUHS July 2020 Next year [August 2020]

Training received

- Dr M Bhattacharyya attended online TOT on ‘Covid -19 patient’s Home Care’ from SwasthyaBhavan, Govt. of West Bengal on 31st October 2020.

Training conducted by the Department:

- The department conducted short training courses for doctors and nursing teachers on Mothers’ Absolute Affection(MAA) on 16/12/19 to 18/12/19.

Achievements

- Prof. R.N. Sinha is acting as Associate Editor of Indian Journal of Public Health.
- Prof. R. N. Sinha is acting as Chief Editor of Journal of Comprehensive Health
- Dr Madhumita Bhattacharyya- Invited as Expert of TEC Committee, DBT, Ministry of Science & Technology Govt of India, to evaluate research proposals on Maternal & Child Health on February 25th and 26th 2020 at New Delhi.

Other Activities:

- **EMR duties:**

- Dr. Mallick performed EMR Duties for Covid Pandemic as the member of the central team in West Bengal.
- Dr. R. N. Sinha as Member of Central Public Health Team deputed to Baikunthpur, Dist. Korea of Chhatisgarh to assist state/ district administration for the containment of Avian Influenza outbreak [29-12-2019 to 08-01-2020]
- Dr. R. N. Sinha, as Member of Central Public Health Team deputed to Vadodara district of Gujarat to assist state/ district administration for Covid-19 management activities. [7-5-20 to 28-05-2020]

- **Other:**

- Dr. Asim Sarkar is conducting family planning clinic at UHU&TC, Chetla. Went to MOHFW for pursuing the approval for stipend of students.
- Dr.Madhumita Bhattacharyya is conducting Adolescent clinic at UHU&TC

Additional Responsibility:

- **Dr. Asim Sarkar acted as:**
 - OSD Stores
 - Acting as Presenting Officer in Departmental Enquiry.

Some Photographs of Our Activities



Figure 1: Mothers Absolute Affection programme - Faculty and Participants



Figure 2: Mothers Absolute Affection programme - at Medical college –Postnatal ward



Figure 3: Role Play by the participants regarding IYCF



Figure 4: Certificate distribution to participants at valedictory session

MICROBIOLOGY

Introduction

The Department of Microbiology of All India Institute of Hygiene & Public Health, Kolkata is concerned with the study of fundamental Microbiology related to the Public Health and Infectious diseases.

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

The department is involved in teaching Medical Microbiology to all courses run in the Institute. Department conducts a two year Post graduate course under the University of Calcutta - Master of Veterinary Public Health (MVPH). The department is involved in teaching, training & research activities including the guidance & supervision of dissertation work of the P.G. students of the department and 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” of the international travellers visiting Yellow Fever endemic countries.

Teaching Activities

- **Regular Courses Conducted:**

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

- **Regular Activities**

- Involved in taking the classes of all the courses run by the Institute. The department also conducts practical demonstrations of the different courses allotted to the department.
- Yellow Fever Vaccination was given to 770 International Travellers visiting to Yellow Fever Endemic Countries.
- 85 water samples were tested for potability by the Water Bacteriology Section of the Department.
- Seminars in different topics especially related with “One Health” concept are held regularly in the department.
- Media Room: More than 200 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)

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Area of expertise: Bacteriology



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

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Area of expertise: Bacteriology



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

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Mobile No.: 94324 88669
Area of expertise: Bacteriology

Webinars attended

- All faculties of Microbiology attended following webinars:
 - Webinar organized by IIHS Sri Lanka on COVID -19 in May, 2020.
 - Webinars organized by MLH (Medical Learning Hub) in July, August, September, October and November, 2020 on COVID -19.
 - Webinars organized by SHARP NGO on COVID -19.
- Dr.Sayan Bhattacharyya, Assistant Prof. attended Webinar organized, by International online conference on Holistic Approach to Immunity to Microbial Diseases and their Treatment (HMDT), Kottayam, Kerala (also presented and chaired a session). It was a multidisciplinary web conference.
- Dr. Sayan Bhattacharyya, Assistant Prof. attended online webinar cum training on COVID -19 by ALISON courses and St. George's University.
- Dr. Sayan Bhattacharyya, Assistant Prof. attended three webinars in October and November 2019 organized by IMA west Bengal and Assam chapters.

Webinar Organized

The Department organized a webinar via Google meet on 24th November 2020 on the occasion of World Antibiotic Awareness week (18-24 November 2020) from 2 - 4 pm. There was an active participation among the students and the faculty of the Institute.

Research Activities

- The study of bacterial pathogens from Currency notes in circulation, and their antibiogram.

Publications

- Kumar BS, Batabyal S, Chattopadhyay UK, **Raj A**, Vinod U, **Banik A**, **Bhattacharyya S**, Mevada Y. Isolation, purification and immunobiochemical characterization of goat hydatid cyst fluid antigen. J Entomol Zoolog Studies 2020; 8(6): 1056-106.
- Singh P, **Bhattacharyya S**, Pal D, **Raj A**, **Banik A**, Chattopadhyay UK. Study of Asymptomatic Bacteriuria among Pregnant Women Attending Antenatal Clinic at Anandanagar Health Centre under, Singur Block, India. Global J Pathol Microbiol 2020; 8:12-18.
- Bhattacharyya Satarupa, **Bhattacharyya Sayan**. Periodontal Infections in Children. Inter Ped Dent Open Acc J 2020;4(5):351-355.
- Mevada Y, Palkade R, Chattopadhyay UK, Kanani A, **Raj A**, **Banik A**, et al. Serological Survey of Leptospirosis among Poultry Farm and Slaughterhouse Workers and its Co-relation with the Risk Factors. IntJ Curr Microbiol Appl Sci 2020; 9(9): 3556-71.
- **Bhattacharyya S**, **Banik A**, **Raj A**. Novel Coronavirus infections: a review. IP International J Med Microbiol Trop Dis 2020;6(2):83–85.
- Saini M, **Raj A**, **Bhattacharyya S**, **Banik A**, Chattopadhyay UK. Prevalence of Klebsiella oxytoca in milk samples of metropolitan city Kolkata: A study. East J Med Sci. 2020;5(1):16-18.doi: 10.32677/EJMS.2020.v05.i01.005.
- Ghosal S, **Bhattacharyya S**. Newer Insights in Early Childhood Dental Caries. Inter Ped Dent Open Acc J 2020;3(4): 245-248.
- Banerjee A, Pal D, **Bhattacharyya S**, **Raj A**, **Banik A**. Community acquired recurrent urinary tract infection caused by pseudomonas aeruginosa in a public health institute in eastern india: a case report. Indian J Case Reports 2019;5(6):587-588. doi: 10.32677/IJCR.2019.v05.i06.028.

Other Special Activities Performed:

- Dr.Atul Raj, Asso. Prof. & Head was deputed in Central Public Health Team to Avian Influenza affected government poultry farming region, Baikunthpur, District Korea, Chhatisgarh from 29.12.2019 – 08.01.2020.
- Dr. Atul Raj, Asso. Prof. & Head was deputed with high level multi-disciplinary central teams to state to assist state health departments in all activities pertaining to COVID-19 from 10.04.2020 to 24.04.2020.

Some Photographs of Our Activities



Figure 1: Water bacteriology testing



Figure 2: Yellow fever vaccination (with social distancing)



Figure 3: Bacteriology laborator

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

- **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.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. Shibani Datta
Professor & Head
MBBS, DCH, MD

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Mobile No.: 9433424805
Area of expertise: Public Health Administration,
Occupational Health



Dr. Alok Vajpayee
Director-Professor
MD (PSM)

E-mail: dralokvajpayee@hotmail.com
Mobile No.: 9836042391
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
Chief Medical Officer
MBBS,DIH

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

Other Members

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

Research Work

- Prof. Shibani Datta, HOD

Title	Year	Name of the Student
A Study on Cognitive Impairment among adults aged 55 years and above in a rural area of Hooghly District , West Bengal.	2019- 2022	Dr Biswadip Rik Banerjee MD PGT

Title	Year	Name of the Student
A Systematic Review on Assessment of Nutritional Status among school going children in a rural area of Hooghly District	2019- 2021	Chayanika Santra PGT MSC Nutrition
Morbidity Profile And Occupational Health Hazards Among Printing Press Workers	2020- 2023	Dr Tanaji Mukherjee MD PGT
A Study On Morbidity Profile Among Zari Embroidery Workers In a Rural Community of West Bengal	2020- 2023	Dr Dipankar Jana MD PGT

Membership of Committees

- **Prof. Shibani Datta, HOD**
 - Chairman of Transparency Audit Committee
 - Chairman of Sexual Harassment Committee
 - Additional CPIO of the Institute
- **Dr. Alok Vajpayee,**
 - Chairman of the Library Committee of the Institute.
 - Chief Editor of the Indian Journal of Hygiene and Public Health till 22-09-2020.
 - Chairman of the Official Language Implementation Committee of the Institute
- **Professor Sharmila Sanyal**
 - Member, Board of Studies for non-MCI courses;
 - Member, Steering Committee of KMC for Food Safety Related Programs
- **Dr. Nandini Bhattacharyya,**
 - Act as Ladies Hostel Warden and Library-in-charge
 - Nodal officer of Swachhta monitoring cell
 - Member-Secretary of Preventive vigilance committee, Canteen committee and Computer committee.

- Member of another eleven committee including Internal complaint committee (Sexual harassment2013) etc.

Examiners

- **Prof. Shibani Datta, HOD**
 - Paper Setter for the DHPE University examination, 2020
- **Professor Sharmila Sanyal**
 - Paper Setter for the Dip.Diet examination conducted by WBUHS

Publication

- A systematic review and meta-analysis of different diagnostic procedures to detect gonococcus infection in resource-limited scenario [pg. 299], Aromita Mallik, Nibedita Das, Swati Mukherjee, **Shibani Datta**. Indian Journal of Medical Microbiology (Indian J Med Microbiol) 2020 | July-September | Volume 38 | Issue 3

Other Activities

- **Guest Lecture**
 - Prof. Shibani Datta, HOD Delivered a lecture on communal harmony in the Institute.
 - Professor Sharmila Sanyal Delivered a lecture on Webinar On “Ergonomics in Virtual Workplace: Health Protocol During New Normal.” On 23rd September at 3.00 pm organised by National Statistical Office, Eastern Zone, Kolkata.
 - Professor Sharmila Sanyal Participated as a judge for the poster session in a conference entitled “Exercise and Physical Activity: Recent Trends and Future Challenges” on 28.02.2020 and 29.02.2020 organised by Department of Physiology Maulana Azad Medical College, New Delhi.

E.M.R. Duty

- **Prof. Shibani Datta, HOD**
 - EMR duty for COVID-19 in Darjeeling, Kalimpong and Jalpaiguri in February, 2020.
 - IMCT Surveillance – Selected as a member of Interministerial central team member to supervise the containment activities for COVID-19 in Darjeeling, Jalpaiguri and Kalimpong in April, 2020.

- **Dr. Alok Vajpayee**
 - EMR duty to investigate Bird Flue outbreak in Bhubaneswar (Odisha) from 30-01-2020 to 15-02-2020.
 - EMR duty to Indore and Ujjain in Madhya Pradesh to provide his services and consultancy for Covid outbreak from 07-05-2020 to 27-05-2020
- **Dr. Nandini Bhattacharyya**
 - EMR duty twice to Uttarakhand from 18/02/2020 to 21/02/20 and to Andrapradesh from 07-05-2020 to 29-05-2020 to provide her services and consultancy for Covid 19 outbreak.

Field Activities/Programmes Undertaken:

- **Training Programs Organized**
 - Training programme on the importance of hand washing and housekeeping in reducing occupational hazards for Imitation Jewellery Factory workers at Singur under Swachh Bharat Mission on 11.12.2019.
- **Workshop Seminars Organized**
 - Seminar on Factories Act on 29.10.2020.
- **Awareness programs**
 - Swachhata Awareness Programme on 27.01.2020 & 04.02.2020
- **Observation of Days**
 - Celebration of Gandhi Jayanti on 02.10.2020
 - Vigilance Awareness Week from 27.10.2020 to 02.11.2020
- **Swachhata initiatives**
 - Awareness Programme on 27.01.2020 & 04.02.2020
 - Departmental Cleanliness Drive on 21.02.2020 & 12.08.2020
 - Training programme on the importance of hand washing and housekeeping in reducing occupational hazards for Imitation Jewellery Factory workers at Singur under Swachh Bharat Mission on 11.12.2019

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.
 - The intake capacity of the MD (CM) course has been increased from 2020 onwards from 10 to 20 seats due to conversion of 10 DPH seats
- 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.

Faculty



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

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Area of expertise: Bioethics, Non communicable diseases and Child health



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 Madhumita
Bhattacharyya
Asso Prof(eq)/CMO
Transferred on Deputation
from March 2020
MD (Paed), DCH, DMCW

E-mail: madhumita57@yahoo.co.in
Mobile No.: 9830134419
Area of expertise: Child Health



Dr. Shamita Mandal
S.M.O. (CHS)
MBBS, DPH
Transferred to RHUTC
Singur on 16.03.2020

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Mobile No.: 9433676907
Area of expertise: Public Health.

Other Members

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

Publications

1. Das K, Pal A, Dasgupta A, Bandyopadhyay L, Paul B, Mandal S, et al. A study on the effectiveness of educational intervention regarding first aid management of selected medical emergencies among adolescents at a school in Kolkata. *Int J Community Med Public Health* 2020;7:340-4.
2. Roy S, Dasgupta A, Bandyopadhyay L, Paul B, Bandyopadhyay S, Kumar M, Morbidities of Rice Mill Workers and Associated Factors in a block of West Bengal: A matter of Concern. *J Family Med Prim Care* 2020 ; 9: 359-66
3. Paul B, Saha I. Death Audit by Verbal Autopsy and Social Autopsy: Potential Yet Unutilized Tool. *Journal of Clinical and Diagnostic Research* 2020 Feb, Vol 14(2): AB01-AB02
4. Das K, Dasgupta A, Naskar NN, Pal B, Bandopadhyay L. How aware are our truck drivers regarding prevention of road traffic accidents? a cross-sectional study in Dankuni area, Hooghly. *Int J Community Med Public Health* 2020;7:1084-8.
5. Sembiah S ,Dasgupta A,Taklikar CS,Paul B,Bandyopadhyay L. Elder abuse and its predictors: a cross-sectional study in a rural area of West Bengal, eastern part of India and Jayeeta Burman *Psychogeriatrics* 2020 doi:10.1111/psyg.12550
6. Pan T, Dasgupta A, Paul B, Bandyopadhyay L, Augustine AT, Suman S. Bone health and its association with Vitamin D and other covariates: A community-based study among women in a rural area of West Bengal. *Indian J Public Health* 2020;64:135-40.
7. Bhaumik P, Dasgupta A, Paul B. COVID-19 and the state of mind: A vendetta. *Med J DY Patil Vidyapeeth* 2020;13:197-9.
8. Dasgupta A, Podder D, Paul B, Bandyopadhyay L, Mandal S, Pal A, Mandal M. Perceived stress and coping behavior among future nurses: A cross-sectional study in West Bengal, India. *Indian J Community Med* 2020;45:204-8.
9. Dasgupta A, Roy S, Bandopadhyay L, Mandal S, Podder D, Bandopadhyay S. Effect of Educational Intervention on Knowledge and Attitude Regarding Tuberculosis among

- Uncertified Rural Practitioners in Singur, West Bengal. *J Compr Health*. 2020 Jan 31;8(1):67-71
10. Roy S, Bandopadhyay S, Bandopadhyay L, Dasgupta A, Paul B, Mandal S. Nutritional status and eating behavior of children: A study among primary school children in a rural area of West Bengal. *J Fam Med Prim Care*. 2020 Feb 28;9(2):844-9
 11. Dasgupta A, Banerjee R, Pan T, Suman S, Basu U, Paul B. Metabolic syndrome and its correlates: A cross-sectional study among adults aged 18–49 years in an urban area of West Bengal. *Indian J Public Health* 2020;64:50-4.
 12. Biswas B, Naskar NN, Basu K, Dasgupta A, Basu R, Paul B. Health seeking behavior of β -thalassemia major children and its attributes: An epidemiological study in Eastern India. *J Family Med Prim Care* 2020;9:3586-92.
 13. Kumar M, Dasgupta A, Sinha R, Bhattacharyya M, Paul B. Why are our elderly distressed? A cross-sectional study in a rural community of West Bengal. *J Family Med Prim Care* 2020;9:3532-8.
 14. Dasgupta A, Biswas B , Paul B , Roy S, Sarkar D , Ghosh P , Ghose S , Yadav A. Comparative Analysis of Alzheimer Questionnaire and Montreal Cognitive Assessment Tool for Cognitive Impairment Screening among the Elderly *Journal of Clinical and Diagnostic Research*. 2020 Sep, Vol-14(9): LC05-LC09 . DOI: 10.7860/JCDR/2020/44545.13994
 15. Mandal M, Dasgupta A, Dutt D, Taraphdar P, Ghosh P, Paul B. Quantification of health-related quality of life among patients with rheumatoid arthritis: An institution-based study in Kolkata, West Bengal. *J Family Med Prim Care* 2020;9:3970-6
 16. Biswas B, Naskar NN, Basu K, Dasgupta A, Basu R, Paul B. Malnutrition, its attributes and impact on quality of life: An epidemiological study among Beta-Thalassemia Major children. *Korean J Fam Med* Jan 2020
 17. Mandal S, Dasgupta A, Bandyopadhyay L. Introspection of Visually Impaired Children: A Qualitative Study in a Blind School of Kolkata, West Bengal. *J Compr Health*. 2020 Jan 31;8(1):39–45.
 18. Dasgupta A, Sarkar D, Paul B, Ghosh P, Biswas A, Ghose SD, Roy S, Yadav A. A Study on Variation of Blood Pressure and Associated Factors among Adolescent School Students in North 24 Parganas. *Journal of Clinical & Diagnostic Research*. 2020 October;14(10):6-10.
 19. Bandyopadhyay S, Pal D, Dasgupta A, Datta M, Paul B. Status of maternal health care services: An assessment study in slums of Kolkata. *Journal of Family Medicine and Primary Care*. 2020 Sep 1;9(9):4861.
 20. Dasgupta A, Ghose S, Paul B, Bandyopadhyay L, Ghosh P, Yadav A. Cognitive impairment and its predictors: A cross-sectional study among the elderly in a rural community of West Bengal. *Journal of Family Medicine and Primary Care*. 2020 Sep 1;9(9):4603.

21. Ghosh P, Dasgupta A, Paul B, Roy S, Biswas A, Yadav A. A cross-sectional study on prevalence and determinants of anemia among women of reproductive age in a rural community of West Bengal. *Journal of Family Medicine and Primary Care*. 2020 Nov 1;9(11):5547.
22. Banerjee R, Dasgupta A, Suman S, Pan T, Burman J, Augustine ATV. Bidirectional association between central obesity and serum lipids (triglycerides and high-density lipoprotein-cholesterol): A community-based study on predictors of central obesity. *Medical Journal of Dr. D.Y. Patil Vidyapeeth* 2020 July-August;13(4): 326
23. Shahbabu B, Dasgupta A, Sarkar I, Sarkar K. Rural-Urban differentials in predicting tobacco consumption pattern among males above 15 years: A cross-sectional community survey *Medical Journal of Dr. D.Y. Patil Vidyapeeth* 2020 March-April; 13(2):143-150
24. Biswas B, Naskar N N, Basu K, Dasgupta A, Basu R, Paul B. Care-Related Quality of Life of Caregivers of Beta-Thalassemia Major Children: An Epidemiological Study in Eastern India *Journal of Epidemiology and Global Health* June 2020;10(2):168 – 177

Research Work

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

1. A Community Based Study on Morbidity, Health Seeking Behaviour and Health Expenditure in a Rural Community of West Bengal
2. A Cross-sectional Study on Respiratory Morbidities and Other Health Related Disorders among Traffic Police of Kolkata, West Bengal
3. An Interventional Study Based on Health Belief Model among Women of Age 30-65 years Regarding Perception Towards Cervical Cancer Screening in a Slum in Kolkata
4. A Cross Sectional Study on Frailty and Quality of Life among Elderly People aged 65 Years and above in a Rural Community of Hooghly District, West Bengal
5. A School Based Interventional Study on Physical Activity and Healthy Diet Based on the Theory of Planned Behaviour among Adolescents in Schools in Uttarpara, Hooghly
6. A Study on Feeding Practices and Nutritional Status of under-2 children in a slum of Kolkata
7. A Study on Antenatal Care Practices and Pregnancy Outcome among Women Attending Antenatal Clinics in a Rural Area of Hooghly District, WB.
8. 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

- **On-going Thesis Work:**

1. A Study on Cognitive Impairment among Adults Aged 55 Years and Above in a Rural Area of Hooghly District, West Bengal

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

- **Short Studies:**

35 short studies were completed during this period

1. A Cross-sectional Study on Nutritional Status and Morbidity Profile of Under-five Children among Pavement Dweller in Kolkata.
2. A Cross sectional Study on Factors associated with Dyspepsia in an Urban Slum of Kolkata
3. Accuracy of Kihon Checklist for Screening of Frailty Compared to Fried Frailty Phenotype: A Cross-sectional Study among the Elderly in a Rural Community of West Bengal
4. Under-five Morbidity and Nutritional Status Assessment in Children of Brick Kiln Workers in a Rural Area of Singur Block of Hooghly District, WB
5. Family Planning Practices among the eligible couples in a rural area of West Bengal
6. Influencers of Acute Respiratory Infection: A cross-sectional study on environmental and other factors, and their relationship with Acute Respiratory Infection (ARI) among 1-5 years children in a Slum of Kolkata
7. Breast Cancer Risk Assessment among Women of Reproductive Age group: A Cross section Study in a Rural Area of West Bengal
8. A Study on Addiction and Alcohol Dependency among Brick Kiln Workers in a Block of West Bengal
9. Assessment of Depression among Women: A Cross sectional Study in a slum of West Bengal
10. Stigma and Discrimination faced by TB patients: Review in Indian Perspective
11. Out of pocket Expenditure incurred due to diabetes in India: a review

12. Prevalence and associated factors of frailty among community dwelling older people in India: a review
13. Myths related to menstruation in India: A narrative review
14. Status of Birth Preparedness among pregnant women in India: a narrative review
15. Barriers of cervical cancer screening uptake among women in India: a narrative review
16. Perceived Facilitators and Barriers to Physical Activity among Adolescents in India: a narrative review.
17. Under five mortality and nutritional status: a review on trend analysis in India
18. Morbidity pattern and its determinants among traffic police: Review of studies from India
19. Psychological Distress among Rural Pregnant Women seeking Antenatal Care during the Covid-19 pandemic: An Institute-based study
20. Association of Malnutrition with Intra-household Food Allocation among Reproductive Age Women in an Urban Slum Area: A Community-based study
21. Influence of Cardiovascular Morbidities on the Progression of Cognitive Decline: A Narrative Review
22. A Study on practices regarding Face Mask Use among Outdoor Patients in Rural and Urban Health Units of AIIH&PH
23. Factors associated with Anxiety among Doctors working in Kolkata during the Covid-19 pandemic: A Cross-sectional study
24. Types of Urinary Abnormalities and its associated Risk Factors among adolescents in Asia: A Narrative Review
25. A Comparative Study to find the accuracy of Digital Hemoglobinometer and Hemoglobin Color strip method for Screening with Anemia in an island of the Sunderbans, West Bengal
26. Factors associated with Growth and Development of Under-5 Tribal Children in India: A Narrative Review
27. Prevalence of Myths & Misinformation regarding Covid-19 among outdoor patients and Health Care workers in a Rural area of West Bengal, India and its possible effect on their health seeking behavior during the pandemic
28. Association of Respiratory Morbidity with Occupational Differentials in Indian scenario-A Narrative Review
29. A Study on Knowledge and Practice of the Community regarding Animal Bite in a Rural Area of West Bengal
30. A Study on Tuberculosis Patients regarding Treatment Adherence and Treatment Outcome in Sputum positive Patients in Rural West Bengal

31. Prevalence of Anemia and its Determinants among Pregnant and Lactating women in Eastern India- A Narrative Review
 32. TB related stigma in TB patients and its Associated Factors in India: A Narrative Review
 33. Knowledge about Oral Cancer and Attitude towards its screening among adult male in Rural West Bengal
 34. How efficient are you handling E-Waste: An Online Survey
 35. Quality of Life and its Determinants among Women of Gynecological Cancers in India: A Narrative Review
- **Guidance of Research Work by Faculty**
 - Dr. Aparajita Dasgupta: Guide of 2 submitted MD (CM) thesis work; 1 submitted MPH thesis work.
 - Dr. Bobby Paul: Guide of 1 ongoing and Co-guide of 3 submitted MD (CM) thesis work.
 - Dr M Bhattacharya: Co-guide of 1 ongoing MD (CM) thesis work and guide of one MSc Applied Nutrition Dissertation

Conference/Seminars/Workshop Attended

- Dr B Paul, Dr A Dasgupta and Dr S Mandal attended Annual National Conference of Indian Public Health Association IPHACON (29th Feb- 1st March 20) at AIIMS, New Delhi
- Dr A Dasgupta attended Annual National Conference of Indian Association of Preventive and Social Medicine IAPSMCON (28th -30th Jan 2020) at Mahabalipuram, India
- Dr M Bhattacharya attended Annual National Conference of IAP (PEDICON) 2020 at Indore, Madhya Pradesh from 9th-12th January 2020

Membership of Committees

- Dr. Bobby Paul, is member secretary of Scientific Advisory Committee, member of Faculty Council, Institutional Ethics Committee, Medical Education & Public Health Unit, Committee for Economically Weaker Section, Assistant managing editor of Indian Journal of Hygiene and Public Health, AIIH&PH and Institutional Ethics Committee of IPGMER and SSKM Hospital.
- Dr. M Bhattacharya is member of e-HRMS Committee, chairperson of Canteen Committee, member secretary of Sexual Harassment Committee, Nodal officer of observation of Communal Harmony week & Flag Day and Constitution Day

Examiner

- **Dr. A. Dasgupta was**
 - Convener, Examiner and Paper setter for MD (Community Medicine) Examination 2020 conducted by WBHUS Kolkata (Session 2017-2020) (June 2020)
 - Paper setter for Ph.D. entrance (Research Aptitude Test Examinations,2020) (West Bengal University of Health Service) (April 2020)
- **Dr. B. Paul was**
 - Examiner of MD (Community Medicine) Examination 2020 conducted by WBUHS Kolkata.
 - External examiner of Final Professional Part 1 MBBS Examination at Barpeta Medical College, Assam on 3-5th Feb 2020
 - Paper setter for DHS Examination (Paper 1) conducted by WBUHS Kolkata.

Training Received

- Dr B Paul attended training on Online workshop on Qualitative and Mixed Methods in Health Research organized by Foundation for Diffusion of Innovation from 19 to 23rd June 2020
- Dr M Bhattacharyya attended online TOT on 'Covid -19 patient's Home Care' from Swasthya Bhavan, Govt. of West Bengal on 31st October 2020.

Field Activities/Programme

- Organized Swachh Bharat training programme on 14th and 15th January 2020 for 20 NGO health personnel at UHUTC, Chetla
- Junior Residents were involved as external monitors in monitoring IPPI Programme at high risk migratory (e.g. Slums with migration) and settled areas as well as monitoring mobile populations (e.g. Ferry ghats, markets) organized by National Polio Surveillance Project (Kolkata unit), WHO on 20th,21st and 24th Jan 2020
- Observation of Swachh Bharat Abhiyan among 50 children in ragpickers' colony in collaboration with non-government organisation on 13.12.2019.
- Dr B Paul, Dr S Mandal and 2nd year Junior Residents of MD(CM) course attended Training on National Leprosy Eradication Programme conducted by Regional Leprosy Training and Research Institute, Gauripur from 17.12.19 to 18.12.19.
- Observation of Swachh Bharat Workshop for 20 NGO workers at UHU&TC Chetla on 14.01.2020 and 15.01.2020
- Junior Residents were involved as external monitors in monitoring IPPI Programme at high risk migratory (e.g. Slums with migration) and settled areas as well as monitoring

mobile populations (e.g. Ferry ghats, markets) organized by National Polio Surveillance Project (Kolkata unit), WHO on 20.01.2020 and 21.01.2020.

- Junior residents attended “Orientation training on HIV under NACP” by State AIDS control Society in Swasthya Bhawan on 10.02.2020
- Junior residents were involved in COVID 19 surveillance and monitoring under Kolkata Municipal Corporation in August-September 2020.
- Junior residents were posted in Telemedicine duty in November, 2020 for COVID 19 pandemic in IPGIMER, Kolkata under Department of Health and Family Welfare, Government of West Bengal.

Awards

Name of Junior Resident	Award	Event
Dr Pritam Ghosh	Winner of Kalu Ram Memorial Award	IAPSM National Conference January 2020
Dr Debayan Podder	Winner in Poster Presentation	IAPSM National Conference January 2020
Dr Aloke Biswas	Runner up in Poster Presentation	IAPSM National Conference January 2020
Dr Foulisa Pyrbot	Winner in Poster Presentation	IPHA National Conference February 2020
Dr Sauryadripta Ghose	Winner in Scientific Oral Presentation	IPHA National Conference February 2020
Dr Aloke Biswas	Runners up in Scientific Oral Presentation	IPHA National Conference February 2020
Dr Biswadip Chattopadhyay	Second Runner up in Quiz	National Conference of Nutrition and Health 2020
Dr Trina Sengupta	First in e-Concept Research Note writing	POSHAN MAAH 2020 Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh

Name of Junior Resident	Award	Event
Dr Ankush Banerjee	Second in e-Concept Research Note writing	POSHAN MAAH 2020 Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh
Dr Pritam Ghosh	Third in e-Concept Research Note writing	POSHAN MAAH 2020 Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh

Other Special Activities Performed:

- **Dr A Dasgupta**

- Team leader of Central Team of Emergency Medical Response for COVID 19 at Kolkata, West Bengal from 7/05/20 to 28/05/20
- Member of selection committee for filling up the faculty positions in the Department of Epidemiology and Public Health Central University of Tamil Nadu (January2020)
- Guest Speaker in a Seminar on “Menstrual Practices, Hygiene and its Better Management among School and College going Girls” approved and funded by National Commission for women in Amity University, Lucknow. (January 2020)
- Guest speaker (2 Lectures) at Institute of Health and Family Welfare, Kolkata (Govt. of West Bengal) in Disaster Management training for Medical Officers (CBPHEM Training) (March 2020)
- Guest speaker in a Webinar on “Public Health response to Covid-19” organized by National Institute of Health and Family Welfare, New Delhi (5th June,2020)
- Expert Member for interview of Professor of Community Medicine at ESI-PGIMSR, ESIC Medical College, Kolkata (3rd September 2020)

- **Dr Bobby Paul**

- Team leader of Central Team of Emergency Medical Response for COVID 19 at Guntur, Andhra Pradesh from 7/05/20 to 28/05/20
- Published book titled “Essentials of Biostatistics & Research Methodology” – 3rd Edition. Academic Publishers. Kolkata. 2020.
- Speaker on Clinical research ethics on 10th January 2020 at Research Methodology workshop organized by MEU at IPGIMER & SSKM hospital

- Speaker on Abstract and Key word Writing in Scientific Writing Workshop organized by Epidemiology Dept, AIIHPH on 13th Feb 2020
- Speaker on Research Methodology in AI PG Seminar(Homeopathy) at M B Homeopathy Medical College, Kolkata on 22nd Feb 2020
- Speaker on Planning for tackling mass casualties in disaster in CBPHEM training at IHFW, Kolkata on 3/03/20
- Speaker on Research Publication Technicalities at Webinar organized by Central Research Laboratory for Biomedical Research, Vinayaka Mission's Kirupananda Medical College and Hospitals, Salem on 14th Sept 2020
- Speaker on Literature Search at Webinar on National Workshop on Biostatistics and Research Methodology organized by D N De Homeopathic Medical College and Hospital, Kolkata on 22nd Sept 2020
- Speaker on Ten Global Health Threats in National Webinar on Developmental Studies on 4th September 2020 organized by Nizam college, Osmania University, Hyderabad
- Speaker on 'Epidemiology and Prognostication of COVID 19' at virtual seminar on COVID 19 on 19th November 2020 organized by Mahesh Bhattacharya Homeopathic Medical College and Hospital, Kolkata
- **Dr Madhumita Bhattacharyya**
 - Acted as Chairperson in a session at Annual Conference of IAP at Indore, MP "Newer management of Congenital Hydronephrosis" held in the month of January 2020.
 - Expert of TEC Committee, DBT, Ministry of Science & Technology Govt of India, to evaluate research proposals on Maternal & Child Health on February 25th and 26th 2020 at New Delhi.
 - Guest Speaker in a scientific session on Current immunization in a seminar organized by IMA ,Behala on 16/2/2020
 - Facilitator of training on IYCF (online)for CDPOs and AWW of various regions of West Bengal on 28.8.20,3.9.20 and 10.9 20 from Dept. of Nutrition, Ministry of Women & Child Development.
 - Trainer on "Immunization" for students of Diploma in Sanitary Inspector course, All India Institute of Local Self-Government, Kolkata on 11/11/2020
- **Dr Shamita Mandal**
 - Guest lecture on Breast Feeding Refusal by Babies and its Management as a Part of "Mother Absolute Affection" Program of MCH department in December, 18, 2019
 - Presented Poster on "Preparedness of Perimenopausal Women regarding Menopause" in the IPHACON 2020 held in AIIMS, New Delhi in March, 2020.

Some Photographs of Our Activities



Figure 1: Swachh Bharat Programme at UHUTC, Chetla



Figure 2: Junior Residents on Community Surveillance Monitoring of COVID 19 Infection in Kolkata Municipal Corporation



Figure 3: Swachh Bharat Programme at Rag Picker Colony, Tiljala



Figure 4: MD (CM) Final Examination June 2020



Figure 5: Central Team members Dr A Dasgupta and Dr L Bandyopadhyay assessing a COVID facility in Kolkata (May 2020)

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 the Diploma in Public Health (DPH) course for medical graduates (seats converted to MD Community Medicine from the academic year 2020-2021) and the Post-graduate Diploma in Public Health Management (PGDPHM)

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

Besides the DPH and the PDGPHM 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.

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. The seats have been converted to MD Community Medicine seats from the academic year 2020-2021
- From the academic year 2019-2020 the Department is coordinating one year Post-graduate Diploma in Public Health Management (PGDPHM) course supported by the National Health Mission.
- Besides the DPH and the PDGPHM course, the Department of Public Health Administration is also coordinating the Core course programme

Other Regular Activity

Seminar, Journal clubs: 22 seminars have been conducted in the current year by postgraduate students in various topics of Public Health.

New Initiative

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

Collaboration

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

Faculty



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

E-mail: dutta29@gmail.com
Mobile No.: 94331 93137
Area of expertise: Non Communicable
Disease Epidemiology, Research methods,
Programme Evaluation, Surveillance



Dr. R. N. Chaudhuri
Director-Professor
MBBS, D.M.C.W,
M.D.(SPM)
Superannuated Jan.31. 2020

E-mail: rnchaudhuri@yahoo.in
Mobile No.: 98314 17720
Area of expertise: MCH, Occupational Health,
Reproductive Health.



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

E-mail: narendrannaskar@yahoo.com
Mobile No.: 94334 39419
Area of expertise: Occupational Health, PHA

Other Members

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

Publications

- **Published**

- Mandal M, Dasgupta A, **Dutt D**, Taraphdar P, Ghosh P, Paul B. Quantification of health-related quality of life among patients with rheumatoid arthritis: An institution-based study in Kolkata, West Bengal. J Family Med Prim Care 2020; Accepted: 08-04-2020 ifmpc_53_20R3.
- Basu Mallick D, **Dutt D** , Banerjee B Bhattacharjee A , Quality of life of oral and oropharyngeal cancer patients attending a tertiary care institute in Kolkata Int J Community Med Public Health. 2020 Jan;7(1):243-249
- How aware are our truck Drivers regarding prevention of Road Traffic Accidents? A Cross Sectional Study in Dankuni Area Hooghly Kuroram Das, Aparajita Dasgupta, **N N Naskar**, Bobby Paul, Lina Bandopadhyay Int. J. Community Med Public Health 2020 Mar;7(3):1084-1088.
- Care-Related Quality of Life of Caregivers of Beta-Thalassemia Major Children: An Epidemiological Study in Eastern India **Narendra Nath Naskar**, Keya Basu, Aparajita Dasgupta, Rivu Basu, and Bobby Paul J Epidemiol Glob Health. 2020 Jun; 10(2): 168–177.

- **Submitted for Publication**

- Banerjee.B, **Dutt D**, Thambu D et al Chloroquine/hydroxychloroquine prophylaxis for prevention of SARS-CoV-2 infection and Coronavirus Disease-19 (COVID-19): What does current evidence reveal? A Rapid Systematic Review : Submitted for Publication IJMR

- **Edit/ Review articles in Scientific Journals:**

- Dr D Dutt reviewed articles for Ind. Journal of Medical Research, Journal of Aggression, Conflict and Peace Research, UK
- Dr N N Naskar reviewed Exploring the effects of occupational psychological disorders on construction employees and the construction industry. From Journal Occupational Disease and Environmental Medicine
- Reviewed and evaluated also university papers of some Dip Diet PGT in June 2020

Research Work

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

- 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.
- Association between Obesity & Sleeping Pattern in Children: A Systematic Review. Papri Raha. MSc Applied Nutrition of 2018-20
- A Cross-sectional Study on quality of life and perception regarding cardiac rehabilitation in patients of coronary artery disease in a tertiary care hospital in Kolkata" Dr Satyabrata Maity MD (CM), Session 2020-2023
- Risk factor for MDR Pulmonary Tuberculosis among patient attending Tangra urban health district of Kolkata – an unmatched case control study . Subhajoy Maitra MD (CM) Session 2020-2023
- Medication adherence, self-care practices and its associated factors among type 2 diabetic patients in a rural area of West Bengal Goutham Mohan. MPH (epidemiology) SESSION-2019-2020
- Dietary diversity and its Relationship with nutritional status Narrative review: Saheli Taraphdar MSc Applied Nutrition 2018-20

- Epidemiological Characteristics of Drug Resistant Tuberculosis (DR-TB) patients in Nadia District, West Bengal: A Cross-Sectional Study. Dr. Shubhajyoti De. PGDPHM, 2019-2020
- Health-related quality of life and its associated factors among elderly patients with type 2 diabetes mellitus in Rural field practice area of AIIH&PH, Kolkata: A cross-sectional study.” Sabyasachi Roy. D.P.H. session-2019-2021
- **Dr. N.N. Naskar acted as guide to the following Curricular Research studies**
 - An epidemiological study on Health status of Truck Drivers in Dankuni area, Hooghly West Bengal MD
 - A study of Occupational Morbidities of Coal workers in Durgapur area MPH
 - A study on growth and development of under 5 children in an island of the sundarbans, West Bengal MD

PhD Thesis

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

Short Studies

Following Short Studies have been conducted related to COVID 19

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

Conference/Workshop/Seminars/ Panel Discussion attended

- Dr N N Naskar Attended State Conference of India Public Health Association in a Medical College West Bengal
- Dr N N Naskar Acted as panelist in one panel discussion on Occupational Health Problems of Health Health Care Providers

Additional Responsibilities

- **Dr D Dutt Dir.-Professor & Head is**
 - Dean AIIH&PH.
 - Welfare officer of AIIH&PH Kolkata.
 - Editor Indian Journal of Hygiene & Public Health

Membership of Committees

- **Participation of Dr. D Dutt in different Committees:**
 - Member Secretary Faculty Council,
 - Chairman Academic Cell,
 - Chairman Medical Education and Public Health Unit ,
 - Chairman Scientific Advisory Committee,
 - Chairman Committee on Compassionate Appointment,
 - Chairman Screening Committee,
 - Chairman Board of Studies Post Graduate Medical Courses,
 - Co-opted Member, Purchase Committee
- **Participation of Dr. N. N. Naskar in different Committees:**
 - Member, Library Committee;
 - Member, Anti-ragging Committee of AIIH&PH;
 - Stand by member, Academic Cell of Institute;

Examiners

- **Dr. D Dutt, acted as**
 - Convenor and Internal Examiner for final DPH Examiantion April 2020 at AIIH&PH,
 - Convenor and Internal Examiner for PGDPHM final examinations at AIIH&PH, Kolkata August, 2020.
 - External Examiner for MPH Examination PGI Chandigarh June 2020
 - External Expert for MPH Examination Inst. of Public Health (IPH) Kalyani July 2020
 - Moderator and External Examiner for MPH Examination Inst. of Public Health (IPH) Kalyani August 2020

- Adjudication of two MPH Dissertations IPH Kalyani July 2020
- Examiner MPH Examination Inst. of Public Health (IPH) Kalyani & KPC Medical Coll. Oct 2020
- **Dr. N. N. Naskar, acted as**
 - Examine Acted as External Examiner of Dip Diet Course in University Examination
 - Evaluated 2 Dissertation of PG Courses of two Institute

Guest Lectures

- **Dr. N.N. Naskar,**
 - Delivered Key note address in one National webinar on Awareness of Precautions for Prevention of COVID 19 in Ramnagar College West Bengal in September 2020

Meetings attended

- **Dr D Dutt,**
 - Attended meeting of PGDPHM partners for conduction of PGDPHM course
 - Attended meeting of Centre of Excellence (COE) for HIV/AIDS, at School of Tropical Medicine, Kolkata.
 - Attended Several Academic Council , Board of Studies meetings of The West Bengal University of Health Sciences related to academic activities of the Institute
- **Dr NN Naskar**
 - Also attended Foundation day 2019 Invitation Committee Meeting several times in 2020
 - Delivered Speech on 2nd October Mahatma Gandhi Birth Day in AIIH&PH in one Function
 - Attended Library Committee meeting twice in 2020

EMR Duty

- Dr D Dutt performed duty as Member of Central team for monitoring containment measures for covid-19 in West Bengal Vide Office Order vide no. Z-15018/07/2020 - RD Dated 17.04.2020 from 17.4.20 to May 3, 2020
- Dr. N.N. Naskar, Director-Prof. performed EMR duty in May 2019 for 15 days in Odisha
- Dr. N.N. Naskar, Director-Prof. performed EMR duty in Bihar from 7th – 18th Oct. 2019

Some Photographs of Our Activities



Figure 1: Dr. Naskar on EMR Duty Meeting in Control Room Assam in June 2020



Figure 2: EMR Duty in June in Tejpur District Assam



Figure 3: EMR Duty in August 2020 in Assam Guwahati Municipality



PUBLIC HEALTH NURSING

Introduction:

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

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

Other regular activities

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

Faculty



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

E-mail: ashokemallick62@yahoo.co.in
Mobile No.: 94334 64500
Area of expertise: RCH/ MCH, Research
Methodology, Nutrition, Adolescent Health.



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

E-mail: uma_chtrj@yahoo.com
Mobile No.: 94322 52554
Area of expertise: Community Health Nursing

Other Members: MTS - 1

Conference/Seminars/Workshop Attended

- Mrs. Uma Chatterjee, Sister Tutor participated in the 47th Annual National Conference of IAPSMorganised by IAPSM at Mahabalipuram during 28th – 30th January 2020

Membership of Committees

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

Field Activities/Programmes Undertaken

- Coordinated and conducted field training programme for 1st year students of M.Sc Nursing , Govt. College of Nursing, Purba Burdhaman from 10.02.2020 to 01..03.2020
- Field training programme for 1st year students of M.Sc Nursing, Govt. College of Nursing, SMCH, Kolkata from 03.02.2020 to 01..03.2020.

SANITARY ENGINEERING

Introduction

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

Teaching Activities

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

The department has started a Course on Sanitary Health Inspector, a skill development course of 10 months’ duration, under Prime Minister Skill Development Program with an intake capacity of 20 students per batch. In the session 2019-2020 Two students are continuing the training course and completed by April 2020. The session for 2020-2021 was supposed to be initiated by the June 2020 but due to COVID 19 situation and lockdown this training course is suspended for this year.

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

Faculty



Dr. Sanjoy Kumar
Sadhukhan
Professor & Head (Acting)
M.D.

E-mail: sdknsanjoy@gmail.com
Mobile No.: 98362 87874
Area of expertise: Epidemiology, Research
Methods, Programme Evaluation, Biostatistics.



Dr. Deepa Shaw.
CMO (NFSG)

E-mail: doctordeepa04@gmail.com
Mobile No.: 9051938055



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

E-mail: dr_karmakar@yahoo.co.in
Mobile No.: 94330 57815
Area of expertise: Immunization and MCH,
Health Promotion & Education , School Health&
Public Health



Dr. Ketaki Sharma
SMO
(released on 12.10.2020)

E-mail: dr.ketakisharma@yahoo.in
Mobile No.: 94339 37875
Area of expertise: Public health.

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.

Other Members:

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

Other Special Activities

- The Dept. of Sanitary Engineering provides services of water analysis to various Govt. organisation and NGOs.
- In this year, 229 parameters in 32 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 Ketaki Sharma, SMO, is working as DDO of Bidhan Nagar Campus.

EMR Duty

- Dr Subodh Ranjan Karmakar, Advisor (Public Health) acted as member Central monitoring team for COVID 19 situation and analyse the services of State Government at Odisha from 04.09.2020 to 17.09.2020.

STATISTICS

Introduction

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

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

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

Teaching Activities

- **Regular Course Conducted by the Department**
 - Diploma in Health Statistics (DHS)
 - ❖ Level: Diploma (Post Graduate); Duration: One Year (Full Time)
 - ❖ Affiliation/Recognition: West Bengal University of Health Sciences
 - ❖ Intake Capacity: 8
- **Involvement in Courses Conducted by other Departments of This Institute**
 - Core Course
 - MD (CM) (Post Graduate Degree), MPH (Post Graduate Degree), DPH (Post Graduate Diploma), MVPH (Post Graduate Degree),

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

Short Courses/Trainings Conducted

- The department conducts various short courses and training on the use of statistical methods and application of data handling packages such as Excel, Access, SPSS, Epi-Info etc. for the faculty and students of this institute and other medical researchers. It also conducts training on the use of IT for different user groups on various aspects related of public health and medical research.
 - ★ The Department conducted a three-day short-course on ‘Learning R Software’ for the Students and Researchers and Practising Specialist on 16th, 17th and 18th March, 2020.

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.
- In order to increase the interaction of the public and relevant target groups with the website of the Institute, the website is revamped recently, and is continuously upgraded for providing information to all stakeholders including MCI related to the AIIH&PH.

New Initiatives

- **Conducting online survey during Lockdown**
 - First time in this institute an online survey was conducted and data on socio-economic variables along with health, education and mental health amidst the difficult situation of lockdown period of as many as 2088 students’ households were collected, processed and presented. On the basis of the same a full-fledged technical report was prepared. All members of this Department were involved in this unique endeavour through virtual meeting platform ‘Google-Meet’ during lock down period. Three papers are prepared from these data; one is already published, one is accepted and another is communicated to a reputed journal.
- **Online Classes**
 - During the Lockdown, this Department of Statistics was involved in full-fledged online classes for (i) Core Course, (ii) MPH 2nd year & 3rd year, (iii) MSc (AN), (iv) DHE and (v) DHS from March 2020 onwards.

- **Support to faculty for Online Classes**

- To facilitate others in online classes, video lectures on how to conduct classes through online platform using different devices were prepared and shared with other faculty members.

Faculty



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

E-mail: bandana.sen25@gov.in

Mobile No.: 98360 53887

Area of expertise: Applied Probability, Sample Survey, Design of Experiments, Population Studies, Statistical packages like STATA etc. and different programming languages



Smt. Shruti Shukla, ISS
Professor
(From 22.09.2020)
M.Sc (Statistics)

E-mail: shruti.shukla@nic.in

Mobile No.: 98308 67740

Area of expertise: Economic Statistics & different statistical software like R, etc.



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

E-mail: chandrima120@gmail.com

Mobile No.: 98315 19527

Area of expertise: Bio-statistics including Epidemiology, Survival Analysis, Clinical Trial etc. & different programming software like R, etc.



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

E-mail: debbarmananupam1@gmail.com

Mobile No.: 94744 57887

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



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

E-mail: ssarkar.aiihph@gov.in

Mobile No.: 94333 05466

Area of expertise: Field-Work for Large Scale Sample Survey, Expertise in Statistical Packages, Survey Methodology and IT etc.

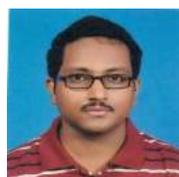


Dr. Shampa Mukherjee
(Kundu),
Senior Statistical Officer
Ph.D. (Economics)

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Mobile No.: 94335 25849

Area of expertise: Field-Work for Large Scale Sample Survey, Survey Methodology, Health Economics, etc.



Shri Subhojit Ghosh
Senior Statistical Officer
M. Com

E-mail: subhojit.ghosh@gov.in

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	4	Electronic Data Processing, IT Support, Field-Support, Documentation, Management of Computer Lab, Software application, Website maintenance, etc.
Stenographer	1	Stenography, Documentation, and Secretarial Service
MTS	1	Support Service

Publication

- Critical Community Size for COVID-19: A Model Based Approach for Strategic Lockdown Policy by Sarmistha Das, Pramit Ghosh, **Bandana Sen**, Saumyadipta Pyne and Indranil Mukhopadhyay, Statistics and Applications ISSN 2454-7395 (online), Volume 18, No. 1 (New Series) 2020, PP 181-196
- Public Health and Social Measures in the Context of COVID-19 – An Online Study of Households in Kolkata and Nearby Districts of West Bengal by **Bandana Sen**, **Subhrajit Sarkar**, **Shampa Mukherjee (Kundu)**, and others, Journal of Comprehensive Health, Vol-8, July 2020
- A data- driven approach to COVID- 19: Resources, policies, and best practices by Meghana Aruru, Raanan Gurewitsch, Sarmistha Das, Pramit Ghosh, **Bandana Sen**, Indranil Mukhopadhyay, Saumyadipta Pyne, BLDE University Journal of Health Sciences - Volume 5, Issue 2, July-December 2020
- Economic Impact of Initial Period of Lockdown in Kolkata and suburbs, India by **Bandana Sen** and Alope Kar, Accepted in Statistical Journal of International Association of Official Statistics
- Online Survey –A Methodological Issue: Experience with Students’ Survey by **Bandana Sen**, communicated to Sarvekshana, the journal of National Sample Survey Office.
- Serological Survey of Leptospirosis among Poultry Farm and Slaughterhouse Workers and its Co-relation with the Risk Factors by Yogendra Mevada, Rajendra Palkhade, Utpal Kumar Chattopadhyay, Amit Kanani, Atul Raj, Amit Banik, Sayan Bhattacharyya, **Subhrajit Sarkar**, Nisha Gupta and Jitendra Parmar International Journal of Current Microbiology and Applied Sciences (IJCMAS), ISSN: 2319-7706 Volume 9 Number 9 (2020).

Project Work & Special Study

- The project work of DHS – 2019-20 Student on “Menstrual Hygiene Management: Knowledge, Attitude and Practices of Rural High School Adolescent Girls in Singur, West Bengal, India” was undertaken during January-March, 2020 under

the supervision and overall guidance of the faculty members. It was presented on 10th November, 2020.

- The project work on “Status of Aged in India – A Study with NSSO Data” was also undertaken by the DHS 2019-20 Student under the supervision and guidance of the faculty members during April-May 2020.
- **Research on COVID-19**
 - During the early phases of nationwide lockdown, a special study was undertaken by the faculty and other members of the Department titled “**Situation Assessment Survey of Students – an online survey of Students’ Households**”. The study was conducted among the households of students of five colleges in and around Kolkata who have access to internet. It was an online survey (questionnaire designed using ‘Google Form’) which covered 2088 households, mostly falling in the southern districts of West Bengal. Responses were received during 15th May and 31st May. The report was published in July 2020 and is available in the 2 participating colleges’ website, namely, St. Pauls Cathedral Mission College, Kolkata and Maulana Azad College, Kolkata.
 - Papers were prepared (and also being prepared) on the different aspects of the data collected through the aforementioned survey, out of which 1 is already published, one is accepted, one is communicated and another is under preparation.
 - Using SARS- CoV- 2 Sequences, National Institute of Health and real time data from other websites, two papers were prepared and published in international journals.

Research Work

- Faculties of the Department supported the PG students of all Departments in data handling and statistical analysis of their research project/ thesis.
- **Dr. Shampa Mukherjee (Kundu), Senior Statistical Officer, acted as co-guide to the following Curricular Research studies**
 - ✓ Reusability of Cooking Oil in the households of Asansol (MSc Applied Nutrition Dissertation).
 - ✓ Hygiene and Cleanliness Practices of Mid-day Meal Programme in Primary and Upper-primary Schools (MSc. Applied Nutrition Dissertation).

Conference/Seminar/Workshop Attended

- Dr. Bandana Sen, Director-Professor & Head, virtually attended a webinar held on the occasion of Statistics Day on 29 Jun’20.
- Dr. Bandana Sen, Director-Professor & Head, also virtually attended Annual Conference (2019) of Indian Association for Research in National Income and Wealth (IARNIW) held on 26-27 Sep’20.

Guest Lectures Delivered

- Ms. Chandrima Das, Assistant Professor, delivered a lecture on “Indian Economy, Statistics and Research Methodology” during in-service training programme for IEDS Officers, organized by MSME Development Institute, Ministry of MSME, Govt. of India, Kolkata on 11.03.2020.
- Ms. Chandrima Das, Assistant Professor, delivered an invited talk in the workshop on Introductory Course on Research Methodology and Biostatistics under Dr. Padam Singh Research and Development Scheme organized by Institute of Applied Statistics in collaboration with Nation Institute of Medical Statistics – ICMR and Division of Epidemiology and Biostatistics, National Institute of Cancer Prevention and Research - ICMR on 28.02.2020 and 29.02.2020 at Govt. College of Nursing, Bankura and Sammiloni Medical College, Bankura.

Examiners

- Ms. Chandrima Das, Assistant Professor, Shri S. Sarkar, Dr. Shampa Mukherjee (Kundu) and Sh. Subhojit Ghosh, Senior Statistical Officers, acted as Paper Setters and Examiners for the Diploma in Health Statistics, 2020 examination conducted by the West Bengal University of Health Sciences.
- Shri S. Sarkar, Senior Statistical Officer and Shri A. Deb Barman, 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 October, 2020.

Additional Responsibility

- Dr. Bandana Sen, Director -Professor, is acting as –
 - ❖ Web-information Manager;
 - ❖ Chairperson, e-Office Committee
- Dr. Bandana Sen, Director -Professor, is also acting as Member of following committees:
 - ❖ Scientific advisory committee
 - ❖ Public Health Education committee
 - ❖ Board of Studies of WBUHS for the Non-MCI courses
- Ms. Chandrima Das, Assistant Professor is acting as the Public Grievance Officer of the Institute.
- Ms. Chandrima Das, Assistant Professor is acting as Chairman of following committees:

- ❖ Computer Committee
- ❖ Technical Committee
- Ms. Chandrima Das, Assistant Professor is also acting as Member and rollout officer of e-HRMS Committee of the institute.
- Dr. Shampa Mukherjee (Kundu) is acting as Liaison Officer for Economically Weaker Section and Member, e-Office Committee.
- Shri Anupam Deb Barman, Senior Statistical Officer is acting as the Nodal Officer in implementation of e-Office of the Institute as well as Member, e-Office Committee.
- Shri Subhojit Ghosh, Senior Statistical Officer is acting as Warden of Boys' Hostel at the Main Campus of the Institute.
- Shri Subhrajit Sarkar is acting as Member, Anti-Ragging Committee of the Institute.

Special Activities

- Dr. Bandana Sen, Director Professor and Head worked as a member of Institutional Ethics Committee of Apollo Gleneagles Hospital Limited.
- Dr. Bandana Sen, Director Professor and Head acted as member of Calcutta Statistical Association and Indian Association of Productivity, Quality and Reliability
- Dr. Bandana Sen has applied for a Project funded by Biotechnology Industry Research Council, Department of Science and Technology in collaboration of Calcutta School of Tropical Medicine, Kolkata.
- Smt Shruti Shukla, Professor successfully completed online training on “Handling Large Scale Data through R software” conducted by IIT Kanpur, held during 02.11.2020 – 28.11.2020.
- Ms. Chandrima Das, Assistant Professor successfully completed an online course of duration 12 weeks on “Online course on Machine Learning using Python” organised by National Statistical Systems Training Academy (NSSTA) in collaboration with Centre of continuing Education, IIT Madras Digital Skills Academy's Programme during April – July 2020 .
- Under the Swachhata initiative a Sapling Plantation Drive was undertaken by 10 Officials of the Department of Statistics on 14th August 2020.

Some Photographs of Our Activities



Figure 1: Faculty and Participants for the Short Course on Learning R Software



Figure 2: Sapling plantation as part of Swachhata initiative

LIBRARY

The AIIH&PH Institute Library is one of the few reference libraries on Public Health Sciences. It has a collection of more than 30086 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. It is continued attempt to improve Library services and providing faster access to print and now for online journals too.

Resources of the Department:

- Physical Infrastructure -- A Big size reading hall along with displayed journals .
- Computer Infrastructure: 16 PC's for Readers with Internet Connection.
- Photocopying Facilities available
- Human Resources – 2 Librarian (1 vacant), 2 LDC (2 vacant), 2 MTS
- No. of Students year wise: --- Every year all AIIHPH students are entitled to get a Library Card and Be the member of Library; hence all the student of different courses are library students. This year total 98 students have so far applied for Library Card and received it.
- No. of Books in the Library: **30086** books.
- No. of Journals in the Library : **107** subscribed Journals, 25 complimentary journals.
- Research Papers/reports/ in Library : **9573**.
- Online Journals accessible: **244+Journals and cochraine Library Free access .**

Initiative

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

Staff



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

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

Other staff

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

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 AIIH& PH in 1944-45. Student Hostel, Office Building, P.H. Laboratory and Primary Health Centres of Anandanagar and Nasibpur were established in 1956. Sub-centres at Nasibpur, Paltagarh and Balidipa were also established in 1956. This is the first Rural Health Unit & Training Centre in India which contributed to the “Bhore Committee Report”. This is one of the three field Pilot centres of Primary Health care in India.



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

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).

Objectives

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

Teaching activities

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

Officers' Profile



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M.B.B.S,DIH, Master of
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MBBS, MD.

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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.	2020	AIIH&PH	M.Sc Applied Nutrition	Community Programme	19	3.2.2020 to 14.2.2020
2.	2020	AIIH&PH	Dip Diet	Community Programme	22	13.1.2020 to 24.1.2020
3.	2020	College of Nursing Command Hospital (E.C)	2nd year B.sc Nursing	Community Programme	25	22.2.2020 T to 8.3.2020
4.	2020	College of Nursing Command Hospital (E.C)	4th year B.sc Nursing	Community Programme	30	13.1.2020 to 22.2.2020
5.	2020	College of Nursing Command Hospital (E.C)	1st Year M.sc Nursing	Community Programme	8	10.2.2020 to 8.3.2020
6.	2020	College of Nursing Command Hospital (E.C)	2 nd Year M.sc Nursing	Community Programme	4	13.1.2020 to 8.2.2020
7.	2020	University College of Nursing Faridkot, Punjab	1st Year M.sc Nursing	Community Programme	1	12/02/2018 to 28/02/2018 (2 weeks)
8.	2020	College of nursing,NRS medical collage	1st year M,SC Nursing	Community Programme	4	3.2..2020 to 1.3.2020
9.	2020	College of Nursing, Burdwan Medical collage	1st Year M.sc Nursing	Community Programme	1	10.2.2020 to 1.3.2020
10.	2020	National Institute of Homeopathy	BHMS & MD Honours course	Field Training	80	28.2.2020
11.	2020	AIIH&PH	Internship Training for Sanitary Health Inspector Course	Field training	2	5.3.20 to 22.3.2020
12.	2020	AIIH&PH	DHPE	Field training program	45	2.12.2019 to 10.1.2020

Sl. No.	Year	Name of the Institution	Name of the Course	Name of the Training Programme	No of Participants	Duration
13.	2020	AIIH&PH	Core course (MD PSM, MPH, DPH)	Community diagnosis programme	22	9.12.2019 to 16.1.2020
14.	2020	ESI, Maniktala hospital	GNM students, 1 st yr and 3 rd year	Field training program	50	2.3.2020 to 15.3.2020
15.	2020	National Institute of Locomotor disability (Dibyangojan, Kolkata)	M.Sc. Nursing First year	Field training program	8	3.3.20 to 13.3.20
16.	2020	Collage of Nursing, SSKM Hospital	B.Sc. Nursing, 2 nd year	Orientation Visit	24	14.2.2020

Serial No.	Training activities	Number of person	Date
1.	MR outbreak surveillance and Syphilis testing at point of care for all health care providers of Singur RHUTC	27	2.12.2019
2.	Training on active case finding on TB for all health care providers of Singur RHUTC	32	24.1.2020
3.	Training on active case finding on TB for ASHA of Singur RHUTC	56	27.1.2020
4.	Workshop on Swach bharat Mission for office staffs of RHUTC, Singur	31	4.2.2020
5.	Training on Leprosy case detection for health care providers and ASHA	70	6.2.2020
6.	Training on Management of COVID 19 for doctors and public health nurses and supervisors.	9	6.7.2020
7.	Training on of Dengue control and prevention activities and surveillance activities for all health care providers	30	9.12.2019
8.	Training on PMMVY and JSY and VHND programme for health workers	30	18.12.2019

- Response to Covid-19 Pandemic**

Total No of GP	Total Number of positive Cases(March 2020 to Nov 2020)	Recovery	Total Number of Deaths	Hospitalisation	Safe home	Home isolation
4 Full GP & 2 Part GP	375(comorbidity =157)	360	15 (all comorbid patients)	94	43	238

- Activities done by Doctors/Health Staffs During Covid-19 Pandemic**

- Regular Surveillance by house to house visit of the community people of our service area through ASHAs & Health Staffs of RHU&TC, Singur since March 2020 till date.

- Preparation of migration population list. From 27.5.20 to 12.8.20, total 533 migrants came from different states of India and abroad. ,4 migrant workers became covid positive,3 from Mumbai, 1 from Noida. All were treated and recovered and now in normal job. Arrangement was done by state administration for keeping the migrants at quarantine centres at different Schools, clubs & Anganwary Centers for 14 days. Regular visits were given at the quarantine centers by Doctors of RHUTC,Singur and Health Staffs for treating ailments and Health Check up. Arrangement for Covid-19 test (RAT/RTPCR) of migrants and referral of positive cases to Dedicated covid-19 Hospitals
- Formation of Infection control committee in RHUTC was done in the month of June 2020 as per guideline of MOHFW, GOI. Regular health screening of all health care providers, officials and students of RHUTC, contact tracing of positive health person and isolation/quarantine/ treatment /chemoprophylaxis / Regular sanitization of RHURC proper, APHC,NPHC and subcentres are done in regular manner.
- Referral of SARI/ILI cases and their contacts to Hospital (Rural Hospital Singur) for Covid-19 test (RAT/RTPCR).
- Contact tracing of Covid19 positive cases and submission of the data to District Health Authority.
- Management of Covid-19 positive cases in the community-'reporting and referral to nearest Covid care centres (Safe Home& Hospitals)and home isolation of mild cases.
- Arrangement of Ambulance (102) for picking up the Covid-19 positive patients from house to different Dedicated Covid Hospitals.
- Maintaining liaison with BMOH of Singur Rural Hospital under State Government and maintenance of communication with the family of covid19 positive cases.
- Regular recording and reporting; follow up of the cases and their family members as per format provided by the District Health Authority.
- Participation of Health Staffs in mobile Covid test camps held regularly by the District Administration in different venues under Gram Panchayets of service Area of RHU&TC Singur.
- Virtual meeting and other meeting attendance from to time held by District Health Authority of Hooghly district.
- Preparation and submission of all data related to Covid pandemic to District Health Authority Hooghly by DEOs & PHNS, PHN, Health Staffs under supervision of Doctors.

- **Service to the Community**

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

Diseases (Clinical and or laboratory based)	OPD	Beyond OPD hours (including Emergency)
Diarrhoea	431	243
Soil Transmitted Helminths (STHs)	136	37
Viral Hepatitis	0	1
ARI	3305	919
Fever	1080	407
Fever with rash	22	0
Vector Borne Diseases	2	1
Skin diseases	870	119
STD/RTI	152	4
Musculoskeletal	1881	552
TB	65	14
Hypertension	5672	225
Diabetes	3252	216
Antenatal & Postnatal	1208	41
Others (acidity, abdominal pain, dental, gynaecological problem, eye disorder, respiratory problem excluding ARI,TB)	4533	1915
Total	22609	4693

- **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 : 1176		
Antenatal Cases	Total registered	1112 (94.5%)
	Registered within 1st Trimester (n=1064)	1022(92%)
Pregnant Mothers	>4 ANC's	884(79.4%)
	Hb. level <11 gm/dl	432(38.84%)
	<7 gm/dl	Nil
Complete TT immunizations		All mothers (100%)
Deliveries (for the whole service area including Non-RHU&TC facilities)	Institutional	1094(100%)
	Home	0
Post Natal Visit	Within 48 hrs.	Not applicable
	48 hrs. – 42 days	795(80%)
Children 12-23 months - fully immunised by one year		1136 (100%)

	MCH Services	Performance
Use of F.P. methods No of Eligible couples 10723	PPIUCD ,PA IUCD and interval IUCD(Cu T)	310
	DMPA	4
	OCP distributed	7544
	Condom distributed	21533 pks
	Ligation	245 (current year)

Revised National Tuberculosis Control Program (DOTS Performance)

- Total Case – 68
- Case detection rate 49%
- cure Rate – 88.4%
- death-1
- MDR:3

Pulse Polio Immunization

- Total No. of IPPI Rounds – 3
- Total Target Children – 6350 in each round
- Total Children Covered – 97.9%

Village Health & Nutrition Days (VHNDs)

- Number of sessions: 352
- Total Attendance: 6530

Senior citizen Health Checkup Camp

- Sessions – 1
- No of GPs camps conducted- 4
- Total beneficiaries– 460

Observation of Integrated Diarrhoea Control Fortnight (IDCF).

- Total villages- 64
- Total Children visited- 5213
- ORS distributed–5213
- Zinc Tablets -59
- VHSNC Conducted – Nil
- No of schools where hand washing demonstration carried out -school closed due to Covid-19 pandemic

National Iron Plus Initiative Program

- Total No of Children covered per month – 4645

HIV screening among Antenatal mothers

- Total mothers screened – 1112
- Total HIV infected detected - 0

Junior WIFS (Junior weekly Iron Folic Acid supplementation Program)

- Conducted in 68 Primary schools in RHU&TC Service area

NLEP (National Leprosy Elimination Program)

- No Leprosy cases in the current year. Surveillance programme is going on.

Biannual Vitamin A Supplementation Programme

- Total beneficiary -3912

Achievements under National Health Program

- ACF (Active case finding for Tuberculosis) has been conducted in RHUTC service area in the month of January 2020.
- Implementation of PMMVY (Pradhan mantri matri Bandana Yojana).

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

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

- **Special Days Observed:**

- Fit India Programme Freedom run and Fit India Movement on 16.9.2020
- Celebration of birthday of Mahatma Gandhi was done on 2.10.2020
- Jana Andolon Campaign for Covid appropriate behaviour was celebrated on 14.10.2020.
- Vigilance Awareness week observation 27.10.2020.
- Communal harmony day was celebrated 25.11.20

- **Seminar Webinar on Different Issues**

- Webinar on National Deworming Day and Home based care for young children (HBYC) on 27.11.2020
- One day virtual review meeting on HMIS Based reporting and MDSR on 13.11.2020.
- AFP Measles Rubella& AEFI- Surveillance sensitization workshop 2020 by Zoom Meeting on 20.7.2020.
- Zoom Meeting on Matrima App (Egiye Bangla Portal) on 06-10-2020.
- Zoom Meeting on Cold chain Handlers by DMCHO on 06-10-2020
- World Mental Health Observation 10.10.2020
- Meeting through Google meet on DTF& SNID November 2020 round on 11.11.2020

- **Video Training through Whatsapp Group:**

- Guideline regarding Covid19 symptoms, Safe home related questions Hospital Admission related questions, Ambulance and Telemedicine on 19.07.2020.
- Guideline regarding Home quarantine and Disinfection on 27.07.2020.(GOI)
- Revised Advisory for HCQs for Covid 19 patients (ICMR) on 28.07.2020.
- Clinical Guidance on Diabetes & TB Covid 19 screening on 27.08.2020.
- Comorbidity Questionnaire for Community Survey on 31.08.2020.
- FAQ& FLWs on Immunization on 01.09.2020.
- Manual for surveillance of Covid19 cases – Containment and Surveillance zone on 06.09.2020(GOI)
- Advisory on Strategy for Covid19 Testing in India on 06.09.2020.
- Covid19 in India-The dangers of false optimism (PDF) on 26.09.2020.
- NDD- an Audio on 24.09.2020
- Audio Video on Covid19 on 09.10.2020.
- Treatment Protocol of Covid19 positive patients (WB) on 22.10.2020.
- Advisory protocol Management for Covid19 patients.(Swastha Bhawan –West Bengal) on 25.10.2020.
- Steroids to Covid19 Patients who do not require Oxygen may increase severity(PDF) on 13.10.2020
- Covid19 –Home Isolation Advisory –on 08.10.2020.
- Introduction of Surveillance Of Diphtheria, Pertusis and Neonatal Tetanus on 10.11.2020.

- **District Training Programme List**

- Training on NID & DTF at DFWB meeting hall Hooghly attended by PHN on 07-01-2020
- Training on FPLMIS & RCH Data at CHIEF MEDICAL OFFICERH meeting hall Hooghly district attended by PHNS & DEO on 19-09-2020.
- Cold Chain Handlers training under eVIN attended by PHN at DFWB meeting hall Hooghly district on 14-10-2020 & 15-10-2020

- **EMR Duty**

- Dr Amitabha Dan, worked as Central Public Health Team Member for supervising, monitoring and control of COVID 19 pandemic in Kolkata with effect from 18/04/2020 to 30/04/2020.
- Dr Amitabha Dan, as Public Health specialist grade -1 performed EMR Duty at Vadodara district , Gujarat from 7th May 2020 to 31st May 2020
- Dr Shamita Mandal, Chief Medical Officer (CHS) participated in EMR duty (Emergency Medical Relief) duty at Ujjyan and Indore district of Madhya Pradesh from 7th May 2020 to 31st May 2020.
- Dr Snigdha Basu Chief Medical Officer (CHS) participated in Emergency Medical Relief duty in the month of July in the state of Assam.

- **Public Health Laboratory Services**

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)	1198	1487	972	3657
Biochemical	1467	891	918	3276
MP	339	346	196	881
Urine	782	378	865	2025
Stool	381	148	169	698
Sputum Slides	1285	0	0	1285
Total Tests	5452	3250	3120	11822

- **Activities of Sanitary Engineering Section**

Sl. No.	Nature of Work	Total Number
1.	Disinfection of Tube Well & Tube well Platform	147
2.	Tube Well Repairing	02
3.	Water sample collection for Routine Chemical Analysis of water Sample	01

Sl. No.	Nature of Work	Total Number
4.	Routine Chemical Analysis of water sample	01
5.	Classes taken on method of chemical Analysis of drinking water	08
6.	Demonstration given on Environmental Sanitation.	07
7.	Water sample collection for Bacteriological Analysis of water Sample, (using H ₂ S Kit)	01
8.	Bacteriological Analysis of water Sample (using H ₂ S Kit)	01
9.	Give Awareness to the villagers of the service area during disinfection work about utility of keep the tube well platform clean to avoid source contamination in drinking water (No of village cover)	17
10.	Survey on Knowledge, Attitude and Practice (KAP) and awareness among students of Hakimpur T.C High School on Water, Sanitation, Hygiene (WASH). (In Days)	01
11.	House Hold Numbering during student Programme (In Days)	10
12.	Carpentry Repairing work at office (In Days)	23
13.	Repairing of Demonstration corner during student programme (in Days)	20
14.	Supervision of Construction of Latrine and Tube Well, during student Programme. (in Days)	07
15.	Tap Cock repairing of Office	01

Publication

- Dan Amitabha, Sinha R.N, Birla V, Passi A R. 'COVID- 19 Pandemic preparedness in Vadodara district of Gujarat in India'. IP International Journal of Medical Microbiology and Tropical Diseases 2020;6(3):129-134.
- Publication of article at Indian Journal of Hygiene and Public health, on "A cross sectional study on magnitude of geriatric health problems in a rural area of Singur, West Bengal" by R.N Panigrahi, Papiya Das, Amitabha Dan, Amal Dutta.

Committee

- Dr A Dan was a member of Enquiry Committee of staffs of AIIHPH.
- Dr S C Mandal is the chairman of a Committee related to Condemnation of articles of AIIHPH.
- Dr S mandal is the member of the Committee related to Condemnation of articles of AIIHPH.
- Dr S mandal is the member of the committee related of Implementation of e-Service Book in AIIHPH.
- Dr S mandal, Dr sanjib das, Dr A Biswas and Mrs Asima Nayak (PHNS) are the members of the Infection Control committee at Singur.
- Dr. R sharma committee member of recruitment rule committee of AIIHPH.

Glimpse of Activities at RHUTC, Singur



Figure 1: Covid Warriors of RHUTC, Singur



CENTRAL TEAM FOR EMR DUTY From AIIPH-KOLKATA TO DIFFERENT PARTS OF INDIA DURING COVID PANDEMIC MAY 2020



MOBILE COVID TEST CAMP AT BALRAM PUR GANDHI BHAWAN RHUTC, SINGUR



Figure 2: Sanitation activities at RHUTC, Singur



Figure 3: Fit India Movement at RHUTC, Singur





Figure 4: Data analysis on COVID Pandemic at RHUTC, Singur



Indoor sister on duty at NPHC



Polio programme training



Training of cold chain handlers in Cinsura CMOH office involving PHN, RHUTCSingur

URBAN HEALTH UNIT & TRAINING CENTRE

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

Functions of Urban Health Unit & Training Centre are as follows

- Teaching & Training: UHU&TC provides community based learning opportunity in view to generate skilled public health manpower.
 - Investigations & Research: Mostly need based operational and health system research.
 - Services to the Community: Integrated facility and community based preventive, promotive and curative services.
 - Surveillance, Outbreak Investigation & Containment Measures
 - In National emergencies as per directives of Government of India.
- **Teaching & training:**
 - M.D. (PSM) AIIH&PH, Kolkata
 - MVPH, AIIH&PH, Kolkata
 - MPH, AIIH&PH, Kolkata
 - M.Sc. (Applied Nutrition) AIIH&PH, Kolkata
 - M.Sc. (Nursing) from different colleges of Kolkata, WB, and All India
 - PhD (whenever enrolled in teaching Departments of AIIH&PH)
 - DPH, AIIH&PH, Kolkata
 - DHPE, AIIH&PH, Kolkata
 - Dip Diet, AIIH&PH, Kolkata
 - B.Sc.(H) (Nursing) from colleges of Kolkata, WB, and All India
 - GNM from different Nursing schools of Kolkata

Officers' Profile

	<p>Dr. Amitabha Dan Public Health Specialist Grade-I M.B.B.S, D.I.H, Master in Applied Epidemiology (ICMR, Chennai) Officer-in-Charge (From 12.11.2020 till date)</p>	<p>E-mail: dan.amitabha@gmail.com Mobile No.: 70445 44489</p>
	<p>Dr. Amalendu Roy Sr.CMO(SAG) M.B.B.S</p>	<p>E-mail: amalendu.roy1958@gmail.com Mobile No.: 9051096053</p>
	<p>Dr. Deepa Shaw CMO (NFSG) M.B.B.S</p>	<p>E-mail: doctordeepa04@gmail.com Mobile No.: 90519 38055</p>
	<p>Dr. Rajarshi Chakraborty Senior Medical Officer M.B.B.S</p>	<p>E-mail: raj700031@gmail.com Mobile No.: 98304 64564</p>
	<p>Dr. Papiya Das Public Health Specialist, Gr.III M.B.B.S, MD (PSM)</p>	<p>E-mail: p_d802002@yahoo.co.in Mobile No.: 94350 73050</p>
	<p>Dr. Bokam Usha Rani Medical Officer M.B.B.S</p>	<p>E-mail: usharani.b25@gmail.com Mobile No.: 76800 27145</p>
	<p>Dr. Lina Bandyopadhyay Public Health Specialist, Gr.-I Equated Assistant Professor M.B.B.S, D.P.H, MD(PSM) Officer-in-Charge (From 01.12.2019 to 12.11.2020)</p>	<p>E-mail: sulins81@gmail.com Mobile No.: 98300 20149</p>

Training Programs Organized: -

Sl No	Name of Programme	Duration/Dates	No. Attended	Institute
1	B.Sc Nursing	2 Wks (2/12/19-13/12/19)	25	College of Nursing, Eastern Command Hospital, Kolkata.
2.	M.Sc Nursing	2 Wks (2/12/19-13/12/19)	08	College of Nursing, Eastern Command Hospital, Kolkata.
3.	B.Sc Nursing	2 Wks (2/12/19-13/12/19)	25	College of Nursing, Aliah University, Kolkata.
4.	B.Sc Nursing	2 Wks (16/12/19 -27/12/19)	25	College of Nursing, Aliah University, Kolkata.
5.	B.Sc Nursing	4 Wks (06/1/20- 31/1/20)	39	College of Nursing, Medical College Hospital, Kolkata.
6.	Sanitary Health Inspector	2 Wks (06/1/20 -17/1/20)	02	AIIH & PH, Kolkata.
7.	M.Sc (Applied Nutrition)	2 Wks (20/ 01/20-31/01/20)	19	AIIH & PH, Kolkata.
8.	B.Sc Nursing (Post Basic)	2 Wks (03/02/20 -14/02/20)	20	College of Nursing, Medical College Hospital, Kolkata.
9.	B.Sc Nursing (Post Basic)	2 Wks (17/02/20 -28/02/20)	21	College of Nursing, Medical College Hospital, Kolkata.
10.	Dip. Diet.	2 Wks (03/02/20- 14/02/20)	22	AIIH & PH, Kolkata
11.	Sanitary Health Inspector (Internship)	4 Wks (03/02/20-28/02/20)	02	AIIH & PH, Kolkata
12.	BHMS	27/02/2020	83	National Institute Of Homeopathy, Kolkata
13.	DHPE	2 Wks (02/03/20-13/03/20)	44	AIIH & PH, Kolkata
14.	ANM (NUHM)	2 Wks (02/03/20-13/03/20)	18	ANM Training School. Vidyasagar S G Hospital
15.	ANM (NUHM)	2 Wks (16/03/20- 20/03/20)	17	ANM Training School. Vidyasagar S G Hospital
16.	DPH Practical Examination	24/06/2020	01	AIIH&PH, Kolkata.
17.	Core Course (Family Care Programme)	August -2020	20	AIIH&PH, Kolkata.
18.	M.Sc Nursing (Community Nursing)	3 Wks (09/11/20-27/11/20)	04	College of Nursing, R G Kar Medical College Hospital, Kolkata.

• Awareness Programme

Sl. No	Name of the Programme	Date & Place	No & Type of Participants	Organized by
1.	Health Awareness Programme on Breast Feeding & Complementary Feeding	28/01/2020 Community UHU&TC, Chetla	32 Community People	Bsc Nursing Stds & MCH Section of UHU&TC, Chetla.
2.	Health Awareness programme on Prevention of Dengue Fever .	13/02/2020 Community UHU&TC, Chetla	52 Community People	BSc Nursing Students & MCH Section of UHU&TC, Chetla.

Sl. No	Name of the Programme	Date & Place	No & Type of Participants	Organized by
3.	Awareness programme on Dietary Approach to ANC/PNC Mother, Adolescent Girl, Diabetic Patient & Hypertensive Patient	11/02/2020 Community Hall of UHU&TC, Chetla	46 ANC/PNC Mother, Adolescent Girl & NC D Patient	Dip. Diet Student & Nutrition Unit of UHU&TC, Chetla.
4.	Health Awareness programme on Prevention of HIV/ AIDS .	28/02/2020 Community Field of UHU&TC, Chetla.	31 Community People	BSc Nursing Students & MCH Section of UHU&TC, Chetla.
5.	Health Awareness programme on Prevention of Vector borne Diseases.	08/06/2020 MCH Clinic of UHU&TC, Chetla.	08 Community People	MCH Section of UHU&TC, Chetla.
6.	Health Awareness programme on Control & Management of Diarrhoea .(Special emphasis on ORS Preparation)	15/06/2020 MCH Clinic of UHU&TC, Chetla.	12 Community People	MCH Section of UHU&TC, Chetla.
7.	Health Awareness programme on management of Covid-19 situation (Do's & Don'ts) .	22/06/2020 MCH Clinic of UHU&TC, Chetla.	12 Community People	MCH Section of UHU&TC, Chetla.
8.	Health Awareness programme on Family Planning (Basket of Choice).	15/07/2020 MCH Clinic of UHU&TC, Chetla.	11 Eligible Couple	MCH Section of UHU&TC, Chetla.
9.	Health Awareness Programme on Breast Feeding & its Importance	12/08/2020 Immunization Clinic of UHU&TC, Chetla.	17 ANC & PNC Mother	MCH Section of UHU&TC, Chetla.
10.	Health Awareness Programme on Infant & Young children Feeding	02/09/2020 MCH Clinic of UHU&TC, Chetla.	13 Mother of Young Children.	MCH Section of UHU&TC, Chetla.
11.	Health Awareness Programme on Routine Immunization.	11/11/2020 Immunization Clinic of UHU&TC, Chetla.	11 Mother of Community.	MCH Section of UHU&TC, Chetla.

- **OPD Attendanc**

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

MCH OPD				FP Cl.	SH Cl.	AFHC	TB Cl.	MH Cl.	Emergency Patient	Total OPD Attendance
U-A	U-B	U-C	Total							
2869	2071	1700	6640	330	845	18	3172	37	85	28179

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

- **MCH activities**

DATA ITEM	TOTAL
A. ANC SERVICES	
1. Total No of ANC Reg.	124
2. ANC Reg.within 1st trimester	124
3. ANC-TT /1	124
4. ANC-TT/2	97

DATA ITEM	TOTAL
5. ANC-TT/Booster	16
6. ANC-180 IFA Tablet	212
7. ANC-360 Calcium Tablet	212
8. ANC-1 Albendazole Tab > 12 Wks	16
9. 4 or more ANC Check up	117
10. PW With Hypertention	0
11. PW tested for Hb	61
12. PW having Hb level < 11(tested cases)	29
13. PW having Hb level < 7(tested cases)	0
14. PW tested for Blood Sugar	61
15. PW tested for VDRL	61
B. PNC Service	
1. PN Mother -180 IFA Tab	183
2. PN Mother -360 Ca Tab	183
C. FP Services	
1. No of OCP Distributed	437
2. No of Condom pcs Distributed	10395
3. No of Injectable Contraceptive (Antara Prog.)	142
4. No of Centchroman (Wkly) Pill Distributed	32
5. No of PTK Used	382
D. CHILD IMMUNIZATION	
1. BCG	8
2. Pentavalent-1	150
3. Pentavalent-2	174
4. Pentavalent-3	166
5. OPV-0	3
6. OPV-1	150
7. OPV-2	174
8. OPV-3	166
9. fIPV-1	150
10. fIPV-2	166
11. Rota Virus Vaccine -1 (RVV-1)	150
12. Rota Virus Vaccine -2 (RVV-2)	174
13. Rota Virus Vaccine -3 (RVV-3)	166
14. MR-1	171
15. JE-1	171
16. Fully Immunized-M (9-11 mnths)	88
17. Fully Immunized-F (9-11 mnths)	83
18. Total Fully Immunized (14+15)	171
i. MR-1 (after 1 yr of age)	9
ii. JE-1 (after 1 yr of age)	9

DATA ITEM	TOTAL
iii. MR-2 (16-24 Months)	191
iv. JE-2 (16-24 Months)	219
19. DPT-Booster (16-24 months)	191
20. OPV- Booster (16-24 months)	191
i. DPT-5 Yrs	180
ii. TT/ Td -10 Yrs	225
iii. TT/Td -16 Yrs	120
21. Immunization Session Planned	51
22. Immunization Session Held	47
23. Vitamin A Dose-1st	171
24. Vitamin A Dose-5th	147
25. Vitamin A Dose-9 th	20
26. No of Ch (12-59 months)-Albendazole	100
E. CHILDHOOD DISEASES	
1. Pneumonia	249
2. Diarrhoea	124
3. Tuberculosis	0
4. Malaria	0
5. Measles	3
6. AFP	0
7. No of severely underweight Children	0
F. CASE BASED MEASLES – RUBELLA (M-R) SURVEILLANCE DONE 2019-20	
1. Number of Cases investigated	03
2. Number of Blood Sample Collected	03

- **School Health**

School health Unit of Urban health centre Chetla, is working for the betterment of school children of Chetla in an organized way. Beside health appraisal & school health clinics, school health unit is conducting various health related programmes in schools & health centres. 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 Children enrolled in School health unit are 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 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.

GOAL: Health promotion of school children

Objectives:

- Early diagnosis, treatment, referral when needed and follow-up of.
- Prevention of diseases.
- Awakening of health consciousness in children.
- Training of health staff.

Targets:

- To increase health appraisal 150+ in each month.
- Health education session in school and in clinic more than 52
- To decrease the Dental caries & worm infestation from previous year by IEC & regular health check-up.
- Training and fulfilment of learning objectives of public health students posted in the unit.

- **Morbidity pattern among children attending School Health clinic.**

Disease	Boys	Girls	Total	Disease	Boys	Girls	Total
Cough & Cold	119	116	235	Skin infection	58	43	101
Fever	69	62	131	ENT	8	4	12
GI Disorder	29	28	57	Dental caries	28	19	47
Worm infestation	25	29	54	Gynaecological	x	48	48
Eye problem	0	06	06	Genito- Urinary/ UTI	10	19	29
Animal/Insect bite	0	1	1	Over weight	12	31	43
Head lice/Pediculosis	17	36	53	Accidents	29	16	45
Injury	29	16	45	Burn injury	2	1	3
Headache & Musculoskeletal	7	17	24	Blood Grouping Lab test	--	--	--
Headache & Musculoskeletal	7	17	24	Blood Grouping Lab test	--	--	--
Nutritional deficiency/ Pallor	49	82	131	GRAND TOTAL	498	591	1089

- **Adolescent Friendly Health Clinic:**

In Adolescent Friendly Health clinic children of teen age were examined by concerned Medical Officer.

- **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 non-organized 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**

S.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.	Food Preparers:	238	246	484
7.	Garage worker	389	0	389
8.	Grinders	25	3	28
9.	Laundry	36	6	42
10.	Domestic servants /Maid servant	0	42	42
11.	Miscellaneous: Bidi worker, Garlander, Gold smith, Home butieck, Paper bag , Shoemaker	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
	TOTAL	1540	684	2224

- **Objectives of occupational health and safety**

- To promote and secure the health, safety and welfare of people at work.
- To protect people at work against hazards.
- To assist in securing safe hygienic working environments.
- To foster co-operation and consultation between employers and employees.

- **Work place visit:**

To achieve the objectives mentioned above, visit to the beneficiaries at their working door step is most important tool because the beneficiaries of OH unit do not want to lose their wages or in other words they do not spare time to 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	Shoe maker	Jewellery	Other
	14	18	8	12	04	12	10	0	2	14

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 advice and supply medicines whenever the medical officer accompanied with the field staff in other days clinical check-up and counselling done by the field staff. Regular counselling about health care safety was done with the advice for clinic visit.

- **OPD clinics performed by the oh unit**

Apart from the Field visit the Occupational Health unit conducting OPD clinic twice a week every Tuesday & Thurs day 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.

- **TB unit**

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.

Variables	Nos. (%)
CATEGORY-I	
New sputum smear +ve	18
New sputum smear -ve	02
New Extra Pulmonary	10
New Others	0
CATEGORY-II	
Smear positive relapse	8
Smear positive failure	1
Smear positive treatment default	0
Others.	
TOTAL CASES	39
Total MDR Cases	1
Total XDR Cases	0
Total Male cases	24
Total Female cases	14
Total Nos Child Cases(included in total case)	1
HIV positive Cases	0

Male: 24

Female: 14

Total: 39

Child: 01

- **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.

SL.	Type of Tests Done	No. of Test Done
1.	Haematology	1410
2.	Clinical Pathology	425
3.	Serology	288
4.	Malaria Parasite	726
5.	Bio-Chemistry	536
6.	Sputum for AFB	172
	Total	3557

- **Special clinics:**

Mental Health Clinic is functioning fortnightly on alternate Mondays every month under consultation of Dr.A.Boral, (Consultant Psychiatrist.

Technical staff members

Name of the post /Designation	Number
Public Health Nursing Supervisor	1
Public Health Nurse	4
HA(F)	9
HW(F)	0
HA(M)	1
Social worker	2
Sister	1
Nurse	1
Field Investigator	2
Pharmacists	1
DEO	2
Laboratory technician	6
Lab. Asst.	0
Lab. Attendant	2
Dietician	0
X- Ray Technician	0

Achievements

Sl No	Programme	Name Of Programme	Duration	No Attended	Total
A	Training Programme Organized	Clinical Experience on Urban Community Health for BSc Nursing(Basic &Post Basic)/MSc Nursing/ANM/Sanitary Health Inspector/DHPE/MSc Applied Nutrition /Dip Diet/ Core Course / BHMS Students	January-2020 To October 2020	306	306
B.	Workshop/CME	*CME on Sanitation Issues faced by Health Personnel as Occupational Hazards	27/01/2020, 05/03/2020,	31	135
		* CME on Menstrual Hygiene, Adolescent Nutrition & First Aid Management.	06/03/2020, 13/03/2020, 16/03/2020	30	
		* Training on NVBDCP (Dengue / Malaria) for Health Personnel		30	
		* CME on COVID-19		35	
		* CME on Bio-medical Waste Management		09	
C.	Awareness Programme	*Minimal use of Plastic(School)	17/01/2020	48	270
		*Breast feeding & complementary feeding	28.01.2020	22	
		*Sanitation & Hand Hygiene	28.01.2020		
		*Global Worming	11/02/2020	32	
		*Prevention of Dengue Fever	13.02.2020	39	
		* Dietary Approach to ANC, PNC, Adolescent Girl &NCD Pt.	14.02.2020	52	
		*Prevention of HIV/Aids	28/02/2020	46	
				31	

SI No	Programme	Name Of Programme	Duration	No Attended	Total
D.	Observation of Days	* World Cancer Day	18/02/2020	11	177
		* Fit India freedom Run Prog.	16/09& 23/09/20	30+30=60	
		* World Heart Day	29/09/2020	0	
		*Commemoration of 150 Birth Ceremony of Mahatma Gandhi	02/10/2020	08	
		*Jan Andolan Campaign on Covid-19	19/10/2020	25	
		*Vigilance Awareness Week	27/10/2020 to 02/11/20	42	
E.	Swachhata Initiative	*Menstrual Hygiene,	10/01/2020	40	118
		*Personal Hygiene	13/01/2020	46	
		*Hand Hygiene	15/01/2020	32	

Images of few activities performed at UHVU&TC, Chetla



Figure 1: Images of Fit India Freedom Run

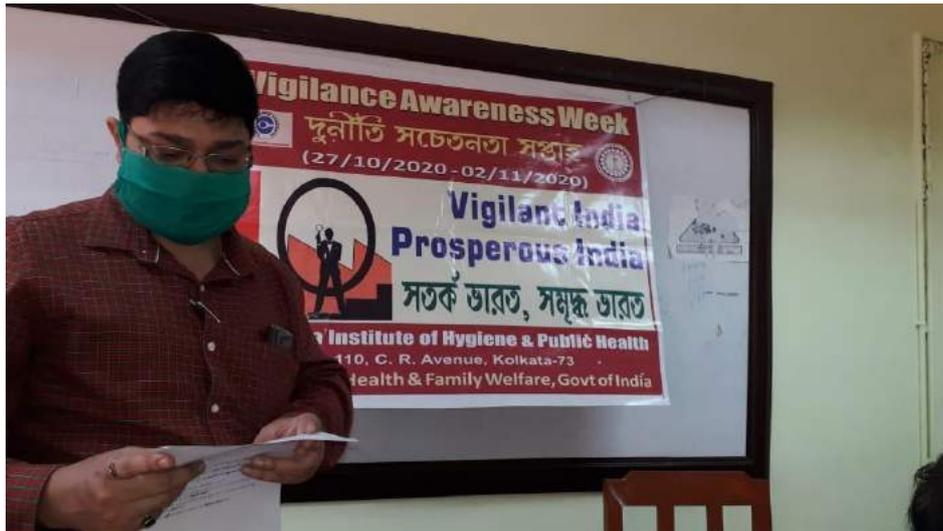


Figure 2: Images of Oath Taking During Observation Of Vigilance Awareness Week



Figure 3: Image of Jan Andolon Campaign in Progress

Human Resource Movement - 2020

<i>Our New Friends</i>				
Sl. No.	Name	Designation	Date of Joining	Applicable Level in Pay Matrix
1.	Dr. Bokam Usharani	MO	10/08/2020	10
2.	Shruti Shukla	Prof	22/09/2020	13
3.	Gourab Sahoo	LDC	13/10/2020	2
4.	Sombir	LDC	15/10/2020	2
5.	Aman Kumar Singh	LDC	15/10/2020	2
6.	Naveen	LDC	15/10/2020	2
7.	Ram Kirpal Kumar	LDC	15/10/2020	2
8.	Saloni Kumari	LDC	15/10/2020	2
9.	Robin	LDC	15/10/2020	2
10.	Mandeep	LDC	15/10/2020	2
11.	Abhishek	LDC	16/10/2020	2
12.	Ravi Raj	LDC	19/10/2020	2
13.	Prince Kumar	LDC	04/11/2020	2

<i>Friends Who Moved UP</i>				
Sl. No.	Name	Promoted As	Effect date of Promotion	Applicable Level in Pay Matrix
1	Dr. Madhumita Bhattacharyya	CMO	25.07.2017	12
2	Dr. Shamita Mondal	CMO	08.08.2017	12
3	Dr. Ketaki Sharma (Chowdhury)	CMO	06.11.2017	12
4	Dr. Singdha basu	CMO	13.11.2017	12
5	Dr. Anand Kumar Biswas	CMO	06.11.2017	12
6	Dr. Nandani Bhattacharya	CMO	06.11.2017	12
7	Dr. Deepa Shaw	CMO(NFSG)	01.07.2018	13
8	Dr. Rajarshi Chakraborty	SMO	03/02/2018	11
9	Dr Kasushk Das	SMO	22/10/2018	11
10	Dr. Sanjib Kumar Das	CMO(NFSG)	08.05.2019	13

Friends Who Moved UP

Sl. No.	Name	Promoted As	Effect date of Promotion	Applicable Level in Pay Matrix
11	Biswajit Ghosh	UDC	01.01.2020	4
Sl. No.	Name	Designation	Date of Departure	Applicable Level in Pay Matrix
<i>Departure On Transfer</i>				
1	Mrs. Sharmila Sanyal	Professor	28/09/2020	13
	Dr. Lina Bandopadhyay	PHS Grade I	13/11/2020	13
	Dr. Sourav Chattopadhyay	SMO	03/02/2020	11
	Dr. Papiya Das	PHS Grade-III	31/01/2020	11
	Dr. Rajendra Narayan Panigrahi	PHS Grade-III	31/01/2020	11
<i>Departure On Superannuation</i>				
1.	Dr. R.N. Chaudhuri	Director Professor	31/01/2020	14
2.	Smt. Namita Ger	MTS	31/01/2020	1
3.	Smt Chobirani Hazra	MTS	31/01/2020	1
4.	Sri Tarak Nath Biswas	MTS	31/01/2020	1
5.	Smt. Susama Maity	Sister	31/01/2020	8
6.	Sri K. Debnath	MUSEUM ASSISTANT	31/01/2020	5
7.	Sri Subhas Ch. Mondal	DRIVER GRADE -1	31/01/2020	5
8.	Sri Gautam Paul	FIELD ASSISTANT	31/3/2020	2
9.	Sri S.K. Baskey	LIBRARIAN	31/3/2020	6
10.	Sri Premmisi Esai	MTS	31/3/2020	1
11.	Sri Biswajit Roy	DEO	30/4/2020	6
12.	Sri Samiran Das Gupta	Technician	31/7/2020	5
13.	Sri N. Sardar	A O	31/7/2020	7
14.	Sri Subrata Bhattacharjee	HA(MALE)	31/10/2020	4
15.	Dr. Aparajita Dasgupta	Director Professor	30-11-2020	14

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

OUR STUDENTS

Name of the Course (Session)	No. of Students
MD (Community Medicine), Session 2018 - 2021	09
MD (Community Medicine), Session 2019 - 2022	08
MD (Community Medicine), Session 2020 - 2023	18
M.P.H. (Epidemiology) – 2018 - 2021	06
M.P.H. (Epidemiology) – 2019 - 2022	03
M.P.H. (Epidemiology) – 2020 - 2023	05
Diploma in Public Health, Session 2019 - 2021	02
M.Sc. in Applied Nutrition, Session 2019 - 2021	17
Diploma in Dietetics, Session 2019 - 2020	24
Diploma in Health Promotion and Education, Session 2019 - 2020	43
Master in Veterinary Public Health, Session 2019-21	08
Master in Veterinary Public Health, Session 2020-22	04
Diploma in Health Statistics, Session 2019 - 2020	01
Total	148

*Admission to M.Sc. (A.N), DHPE, DHS & Dip Diet is Pending