
वार्षिक रिपोर्ट
ANNUAL REPORT
2022-23



The National Institute of Health and Family Welfare
Baba GangNath Marg, New Delhi-110067

Contents

	From the Director's Desk	
	An Overview	
1.	Education	
2.	Training	
3.	Research and Evaluation	
4.	Specialized Projects And Consortium Activities	
5.	Specialized Services	
6.	Consultancy and Advisory Services	
7.	Administrative Measures	
8.	Use of Hindi in Official Work	
9.	Events	
10.	Publications	
11.	Appointments, Promotions and Superannuation	
	Annexures	
I	List of Governing Body Members	
II	List of Standing Finance Committee Members	
III	List of Programme Advisory Committee Members	
IV	List of Faculty Members	
V	Sanctioned Manpower	

From the Director's Desk

It gives great pleasure to place before you our Annual Report, 2022-23. The Institute is currently in its 47th year of functioning and has demonstrated significant growth. An effort has been made in this report to provide snapshots of key activities and achievements of the Institute during the financial year. This report is testimony of our strong foundation and growing performance. We would have not been able to achieve prominence in the field of public health without the support of the senior officers from the Ministry of Health and Family Welfare for their inspiring and necessary directives to implement various activities. I also sincerely acknowledge the support provided by the eminent members of our Governing Body, Standing Finance Committee and Programme Advisory Committee throughout the year.

The elements of our Mission and Vision are truly reflected in regular academic courses including MD (CHA), DHA, PGDPHM, Distance Learning and other courses. In the year that has gone by, we have tried to build progressive and inspiring environment during all our teaching and training activities. Our faculty based on their professional aspirations have dedicated their efforts in creating learning paths and made efforts to connect the participants with experts towards an up- skilling journey in various trainings/workshops/meetings during the year. During the year about (16) sixteen research studies were undertaken in the area of public health and related fields. The faculty has provided expertise as resource persons in various extra mural activities ranging from teaching, training and research activities. They have participated in various seminars and conferences as chair, member of expert committee etc. and even presented scientific papers. We have much to look back on with pride while simultaneously preparing for the challenges ahead. The most important being is the shortage of faculty. Further, we clearly need to chart a new way forward in the new normal post covid-19 situation in terms of our teaching, training, evaluation and research activities. In our journey to become evolving with the latest technology, we are updating our IT facilities to match with the best, where Ninety-Ninety five percent functioning in e-office is a step forward in this journey.

On behalf of faculty, staff and students, please accept my sincere thanks for the dedicated hard work and commitment to take our Institution to ever greater heights.

Prof. Dheeraj Shah Director, NIHFV

An Overview

The National Institute and Health and Family Welfare, since its inception has made contributions in the field of health and family welfare and public health by conducting diverse activities such as capacity building through educational courses, training, research and evaluation activities. The thrust areas of NIHFW include Health and related Policies, Public Health Management, Health Sector Reforms, Health Economics and Financing, Population Optimization, Reproductive Health, Hospital Management, Communication for Health and Training Technology in Health. The ten departments and various projects at various points of time have made it possible to address a wide range of issues as stated above.

Vision of the Institute

The NIHFW will be an Institute of global repute striving for excellence in Public Health & Family Welfare. It will strive to become a leading role model in the field of Public for the world.

Mission The NIHFW will be a think tank, catalyst & innovator in Public Health and & Family Welfare. This will be done by pursuing the	Education & Training
	Research & Evaluation
	Consultancy & Advisory services
	Provision of specialized services through Interdisciplinary teams
	Networking with other Institutes and Organizations at National and International level.

The National Institute of Health and Family Welfare (NIHFW), was established on 9th March, 1977 by the merger of two national level institutions, viz. the National Institute of Health Administration and Education (NIHAE) and the National Institute of Family Planning (NIFP).

The NIHFW, an autonomous organization, under the Ministry of Health and Family Welfare, Government of India, acts as an 'apex technical institute' as well as a 'think tank' for the promotion of health and family welfare programmes in the country-

- ☐ To become a global healthcare policy, research and management Institute.
- ☐ To promote health care facilities, training and function as a catalyst for achieving Health for All in the country.

Major Committees

The major committees of the Institute include the Governing Body (GB), the Standing Finance Committee (SFC) and the Programme Advisory Committee (PAC). The GB under the Chairmanship of the Union Minister of Health and Family Welfare looks into the overall governance of the Institute. The SFC is headed by the Union Secretary, MoHFW and takes care of the financial aspects. The PAC takes care of the academic activities of the Institute. Director, NIHFW, acts as the Member-Secretary in all these committees.



DR. MANSUKH MANDAVIYA,
Hon'ble Union Minister for
Health and Family Welfare,
Government of India



DR. BHARATI PRAVIN PAWAR,
Hon'ble Minister of state for
Health and Family Welfare,
Government of India

The Governing Body(GB) is the apex policy making body for NIHFW. It comprises of Minister of Health and Family Welfare, Government of India, New Delhi (Chairman) ; Secretary (FW), Ministry of Health and Family Welfare, Government of India, New Delhi (Vice-Chairman); Additional Secretary (Health), Ministry of Health and Family Welfare, Government of India, New Delhi (Member); Director General of Health Services, Government of India, New Delhi (Member);Addl. Secretary (Dealing with NIHFW), Ministry of Health and Family Welfare, Government of India, New Delhi (Member); Addl. Secretary (Financial Advisor), Ministry of Health and Family Welfare, Government of India, New Delhi (Member); Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi (Member); Director , All India Institute of Medical Sciences, Ansari Nagar, New Delhi (Member); Director, International Institute for Population Sciences, Govandi Station Road, Deonar, Mumbai (Member); seven members to be nominated by Chairman; Director, National Institute of Health and Family Welfare, Munirka, New Delhi acts as member-Secretary.

Standing Financing Committee(SFC) reviews and approves finances for NIHFW and is comprised of Secretary (Family Welfare), Ministry of Health and Family Welfare, Govt. of India, New Delhi; Director General of Health Services Ministry of Health and Family Welfare, Govt. of India, New Delhi; Addl. Secretary (Financial Advisor), Ministry of Health and Family Welfare, New Delhi, with Director, NIHFW as Member-Secretary.

Programme Advisory Committee (PAC): The objective of the Programme Advisory Committee is to formulate broad guidelines for the ongoing and proposed Research and Training activities of the Institute and to provide suitable advice and guidance for the improvement of the Programmes of the institute.

One representative from MOHFW/Office of DGHS, ICMR, ICSSR/Institute of Mass Communication, IIPS, CTIs /HFWTCS, One Secretary Health of a State Government and two Directors of Health Services are nominated as member of PAC by Chairman/Alternate Vice Chairman of Governing Body of the Institute. Besides, two members of the Governing Body are also nominated.

Two members of faculty are nominated directly by the Director, NIHFW. Director, NIHFW serves as Member Secretary of the Programme Advisory Committee.

The tenure of the Chairman and the nominated members will be of three years.

Education & Training; Academic Activities and Post-Graduate Education

The overview of the Institute's activities as per the mandate of the Institute --

The following two modes Full- time and distance learning educational activities of the Institute are organized to meet the basic public health education requirements and promote academic excellence in the fields of health and family welfare Programmes in the country.

- (i) **M.D. (Community Health Administration):** Three-year Post Graduate Degree in Community Health Administration M.D. (CHA) is affiliated to University of Delhi and recognized by the Medical Council of India (MCI). This course has been continuing since 1969. There are ten seats each year.
- (ii) **Diploma in Health Administration:** The two-year Post-Graduate Diploma in Health Administration (DHA), is affiliated to University of Delhi and is recognized by the Medical Council of India (MCI). This course has an in-take capacity of six students every year.
- (iii) **Post-Graduate Diploma in Public Health Management (PGDPHM):** This course was started by the Institute in 2008 in collaboration with the Public Health Foundation of India, and supported by the MoHFW. The course has 30 seats for national in-service candidates and 10 for international candidates . The

objective of the course is to enhance the capacity of the middle level in-service health professionals.

- (iv) AICTE approved '**Post Graduate Diploma in Management**'-6 Courses of 15 Months Duration each are offered through Distance Learning Mode in specializations as
1) Health and Family Welfare Management 2) Hospital Management 3) Health Promotion 4) Public health nutrition 5) Applied epidemiology and 6) Health communication

Training and Workshop Activities

The Institute round the year organizes a number of training Programmes in the areas of Curriculum Design; Planning and Evaluation; Health Promotion; Nursing Administration; Social and Behaviour Change Communication; Occupational and Environmental Health; Hospital Administration; Leadership and Counseling; Monitoring & Evaluation. In all, thirty training courses and workshops were organized by the Institute in 2022-23, details of the same are given in the training section.

Research & Evaluation

Research in different aspects of health and family welfare is a priority area for the institute. During the year under review, the Institute was involved in Sixteen research studies. Out of these research studies, eleven have been completed. This includes eight dissertation studies by the M.D. (CHA) students. The remaining 5 are on-going research.

Specialized Services

A brief account of the specialized services of the Institute including clinical services for general population, documentation, printing and publications is given below:

- (i)**Clinical Services**-The Institute is recognized as one of the centers of excellence in reproductive health care. The NIHFW Clinic provides

specialized clinical services which include management of infertility, management of reproductive endocrinological and gynecological disorders, antenatal care, immunization of antenatal patients, infants & children and contraceptive services. During covid-19 pandemic the staff of the clinic played an important role in the Vaccination drive for the masses.

(ii) Laboratory Facilities- The laboratory of the Institute provides an in-depth investigation of the causes of reproductive disorders such as bio-chemical, anatomical, endocrinological, etc. The scientific approaches adopted in the management of endocrinological & reproductive disorders and infertility management have paid rich dividends.



(iii) Official Publications-

Health and Population: Perspectives and Issues- a quarterly Journal of Institute since 1978. During the period under review all the issues of HPPI for 2022 (Vol. No. 45 (2, 3 & 4) and 2023 (Vol. No. 46 (1) has been published; Now the Journal is UGC enlisted.

Jan Swasthya Dhaarna – A Hindi peer reviewed publication called ‘Jan Swasthya Dhaarna’ with the articles contributed by the faculty and staff members of the Institute and eminent personalities from reputable organizations on the issues like public health, population and family welfare is published.



Use of Hindi in Official Work

The official language implementation in the Institute is regularly monitored by a committee duly constituted for this purpose. During the period under report (including Emails and fax messages) 85.01% letters meant for region “A”, 78.84% for region “B” and 76.48% letters for region “C” respectively were issued in Hindi against the fixed target of 100% for “A” & “B” regions & 65% for region “C”. Cent percent General Orders were issued bilingually during the reported period. Apart from day-to-day translation work in Hindi, many specific translation work was also accomplished including annual report and annual accounts 2022-23, various proformas, survey schedules, material pertaining to certificates, banners, and advertisements from various departments.

National Documentation Centre

National Documentation Centre is an active member of Developing Library Network (DELNET) and shares its resources with more than 5000 member libraries including Library of Congress, Washington. NDC is also a member of NML-ERMED India Consortium to provide free access to 258 journals. In addition to the above, through Online Public Access Catalog (OPAC), bibliographical details of all publications/documentations are accessible at the link-<http://14.1393.63.242/>. Important publications like committee/commission reports, technical reports, HPPI journals, important NIHFW publications, etc. have been digitized and made accessible through the link –<http://www.nihfw.org/WNDC.aspx>.



National documentation center at the NIHFW

Centre for Health Informatics

The MoHFW has established a Centre for Health Informatics (CHI) at NIHFW to work as the secretariat for managing the activities of the National Health Portal (NHP). The National Health Portal of the CHI serves as a single point of access to multilingual health information, application and resources. A wide-spectrum of users such as academicians, citizens, students, health care professionals, researchers, etc. are benefitted from the National Health Portal. CHI also received Governance GOLD, SKOCH AWARD for COVID-19 India Portal. Har Ghar Kavach app is prepared to monitor home isolated COVID-19 patients and provide them required health services. CHI on behalf of MoHFW is providing cloud resources for hosting the application software for non-communicable diseases screening tracking system (NCD-STs), maintaining the Mera Aspataal app which captures patient's feedback for the services received at the hospital through user-friendly multiple channels. 11231 hospitals are registered under the application till 31 March 2023. Various other portals being maintained are- Surakshit Matritva Aashwasan (SUMAN), Pradhan Mantri Surakshit Matritva Abhiyan (PMSMA), Home Based Care of NewBorn and Young Child, National Tobacco Control Programme, National Programme for Health Care of Elderly. Some dashboards- MoHFW Central Dashboard, Budget, National Health Policy-2017, International Health, LaQshya, EMR, PMSSY, and Medical Education are being maintained by CHI.

National Cold-Chain and Vaccine Management Resource Centre (NCCVMRC)

NCCVMRC is an apex technical resource center for the Government of India. It was established in 2013 as a joint initiative of the NIHFW, MoHFW and UNICEF, with the objective to facilitate the establishment of a high quality, effective and efficient immunization supply chain (ISC) in India to ensure universal immunization coverage with safe and potent vaccines. The NCCVMRC team is led by a coordinator and comprises technical teams working in the domains of training, MIS and EVM coordination, immunization supply chain, research, monitoring and equity. NCCVMRC is a nodal center for all immunization supply chain related research, training and providing technical support for Immunization supply chain planning in India. It is designated as Secretariat for comprehensive Effective Vaccine Management (EVM) assessment at national and sub-national level in the country. MoHFW has designated NCCVMRC as a Secretariat for National Technical Advisory Body (NTAB) to provide guidance and Technical input on specification of Cold Chain Equipments, Immunization Logistic Managements, and Vaccine related Assessment to strengthen Cold Chain System for Universal Immunization Program (UIP) in India.



NCCVMRC also conducted and participated in many research activities like Training Needs Assessment of VCCH, a research study on effectiveness and challenges with virtual trainings, Assessing the KAP towards COVID-19 among Indians, Psychological impact of COVID-19 pandemic in India, and Lifespan analysis of Electrical Cold Chain Equipment in India. NCCVMRC was entrusted with the responsibility of calculating the cold chain storage space availability in India before launching the COVID-19 vaccination campaign.

National Technical Advisory Group on Immunization (NTAGI)

The NTAGI Secretariat was established in 2013, to provide techno-managerial support to NTAGI and STSC and its working groups. On 9th December, 2016 it was decided that the NTAGI Secretariat would be completely supported by the Government of India and a proposal to establish the NTAGI Secretariat at the National Institute of Health and Family Welfare (NIHFW) was approved. In NIHFW, Secretariat resumed its functioning in May, 2017. The NTAGI Secretariat is responsible for organizing two NTAGI and four STSC meetings in a year.

National Skills Lab (DAKSH)

Presentations. Areas in which training is imparted are Antenatal, Intra-natal, Postnatal & Newborn care, Family Planning, Infection Prevention, Management of ComThe Government of India has introduced a system of competency-based training and certification programme to be implemented through Skills Labs. Skills Lab serves as a prototype demonstration and learning facility for healthcare providers; and focuses on competency-based training. The Skills Lab comprises 4 skill stations and one model Labor room where the trainees learn 35 Basic skills in 6 days of training through practicing skills on mannequins, simulation Exercises, demonstrations, role plays, videos and publications, Adolescent Counseling and other RMNCH+A Services.

Mother and Child Tracking Facilitation Centre (MCTFC)

A Mother and Child Tracking Facilitation center has been set up at The National Institute of Health and Family Welfare (NIHFW). It is a major step taken by the Government of India under the National Health Mission in improving the maternal and child health care services. During the year under report, more than 14.51 lakhs calls were made to beneficiaries through MCTFC for data validation, promotion and facilitation in availing maternal and child health services and government schemes. More than 6.4 lakhs calls were made to ANMs and ASHAs for data validation and resolution of their

queries, and more than 6.58 lakh voice messages on Maternal and Child care have been delivered to the beneficiaries

Advisory and Consultancy Services

The Director ,Faculty and Research staff members of the Institute provide advisory and consultancy services to various national, international and voluntary organizations in various capacities. In the forthcoming parts details are provided in this regard.

Facilities

The NIHFV has a state of the art video conferencing facility in addition to a 280-seater auditorium equipped with high-tech public-address systems. An exclusive Teaching Block with multiple halls fitted with modern teaching-aids is dedicated for the training courses that can hold many training courses simultaneously. The Hostel & international Hostel can accommodate more than 150 guests at a time. It has a gymnasium, a badminton court and cricket-cum-football ground for out-door games as well as chess, carrom and table tennis indoor-games facility.



1. Education

The Institute is engaged in different types of teaching programmes viz., Three-year Post Graduate Degree in Community Health Administration (M.D-CHA), Two- year Post Graduate Diploma in Health Administration (DHA), One-year Post-Graduate Diploma in Public Health Management, three Diploma Courses in management of 15 months duration through Distance Learning Mode, Certificate Course in Professional Development in Public Health and Health Section Reform through E-Learning Mode, and Ph.D. Programme are few to mention here.

Teaching-Institute has undertaken the following teaching programmes during the year under consideration.

Three-year M.D. in Community Health Administration (CHA)

As per the mandate of the Institute as to provide appropriate trained manpower to meet the health needs of the country, the Institute has been offering a three-year post-graduate degree course, M.D. in Community Health Administration, since 1969. This course is affiliated to the University of Delhi, and recognised by the Medical Council of India (MCI). Over the years, this course has become very popular among the health professionals in the country. During the year under report, 26 students attended the course including eight in the third year, eight in the second year and ten in the first year.

Two- years Post-Graduate Diploma in Health Administration (DHA)

Started in 1993, this two-year Post-Graduate Diploma in Health Administration offered by the Institute is also affiliated to the University of

Delhi and is recognized by the Medical Council of India (MCI). During the year under report, 9 students attended the course including four in the second year and five in the first year.

One-year Post-Graduate Diploma in Public Health Management (PGDPHM)

NIHFW in collaboration with the Ministry of Health and Family Welfare, Government of India (GoI) and Public Health Foundation of India offer a Post-Graduate Diploma in Public Health Management since 2008. The GoI gives fellowships for ten international students facilitated by Partners in Population and Development (PPD). The institute has 40 seats with 10 seats for International students under Partners in Population and development whereas, 30 for state sponsored and self-sponsored candidates. In 2022-23, 24 students were enrolled, out of these 8 students were international.

Distance Learning Courses

NIHFW is offering AICTE approved Post Graduate Diploma in Management (PGDM) Courses of 15 Months Duration Offered through Distance Learning Mode are as Follows:

- 1. Post Graduate Diploma in Management - Hospital Management (PGDM-Hospital Management)**

This course is recognized by AICTE with 300 annual intake admissions with 15 months' duration. The Post-Graduate Diploma in Management with a specialization in Hospital Management has been specially designed to impart knowledge to the participants about the existing structure and functioning of the healthcare system including managerial problems in hospitals. In addition, various management concepts, techniques, tools and resource management are discussed in this course which is open to medical, nursing, dental and AYUSH

graduates. Currently, 257 candidates are enrolled for the 2022-23 batch. This course was started in August 1995, Till now 3066 students have successfully completed this Course.

2. Post Graduate Diploma in Management - Health & Family Welfare Management (PGDM-: Health & Family Welfare Management):

This course is recognized by AICTE with 100 annual intake admissions for the batch 2021-22 with 15 months duration. The course has been specially designed to impart knowledge to the participants about the existing structure and functioning of the healthcare system, including its managerial problems. In addition, various management concepts, techniques, tools and resource management are discussed in this course which is open to medical, nursing, dental and AYUSH graduates. Currently, 50 candidates are enrolled for 2022-23. This course was started in 1991-92, Till now 1718 students have completed this Course.

3. Post Graduate Diploma in Management - Health Promotion (PGDM-: Health Promotion):

This course is recognized by AICTE with 150 annual intake admissions for the batch 2021- 22 with 15 months duration. This course has been designed to impart knowledge to the participants to focus on lifestyle-related problems and is also meant for medical, paramedical, and other stakeholders. This course was started in the academic year 2010-11. Till now, 389 students have been awarded this Course. From this academic year 2022-23, Institute have started additional three new courses under affiliation of AICTE

4. Post Graduate Diploma in Management - Applied Epidemiology (PGDM-: Applied Epidemiology):

This course is specially designed to impart knowledge of various epidemiological techniques and uses of epidemiology to the participants.

5. Post Graduate Diploma in Management - Public Health Nutrition (PGDM-: Public Health Nutrition)

This course is specially designed to generate greater awareness and understanding of the nutritional sciences pertaining to Public Health Nutrition (PHN) among the participants.

6. Post Graduate Diploma in Management - Health Communication (PGDM-: Health Communication):

This course is specially designed to generate greater awareness and understanding of Health Communication among the participants.

In the Academic year 2022-23, A total of 413 students were admitted to these courses from the Medical and related fields.

Ph.D. Programme

Currently four students are pursuing their Doctoral work from different Universities in various disciplines of Public Health and Biomedical Research.

Summer Training

Under this programme, students from various Universities pursue their project work in various specialized areas of public health. Under this programme, 68 students from various Universities/ Institutions pursued their project work with duration varying from 2 to 3 months in various specialized areas of public health supervised by Faculty/research Officers of respective departments.

Educational Visits

Nursing and Medical students from various Govt. and Private Nursing and Medical colleges from all over the country visit our Institute to understand the Public Health functioning in India. Around 988 Medical and Nursing students from 24 various Govt. and Private Nursing and Medical colleges from various parts of the country as part of their course curriculum during the period under report visited the Institute.

Scholarships

All the MD(CHA) and DHA students are given a monthly stipend as the 7th Pay Commission Pay scale of level 10 along with annual increments. The GoI gives fellowships (Rs. 2.5 lakh for boarding and lodging) with Rs. 5000/- as stipend per month for ten international students of Post Graduate Diploma in Public Health Management (PGDPHM).

New Academic Courses

MPH Programme -Masters in Public Health (MPH) is approved by the executive council of University of Delhi, there will be 20 seats from medical and non-medical background. The course is expected to be launched from the academic year 2023-24. The modalities to start the programme are being worked out.

Ph.D. Programme in recognition with JNU: The matter was put up in the 63rd SFC meeting and it was approved. The Academic Counsel of Jawaharlal Nehru University (JNU) has approved recognition of the Ph.D. programme of the NIHFWS. University Ordinance is likely to be

issued and the Institute will start admitting students from the Academic Year 2023-24.

Internship Programme: With the approval of the Standing Finance Committee, the NIHFV has started a paid Internship Programme @ Rs. 5000/- per month of maximum period of 3 months. Three students are admitted under this programme in the month of March 2023 for the research work.



Interns from the AIIMS Jodhpur, Ambedkar university; Amity university

2. Training

The Institute undertakes various types of training programmes for the health practitioners in the area of public health and family welfare. The training courses (intra-mural and extra-mural) are organized by the Institute every year with an aim to –

1. familiarize the participants with the goals and objectives of health and family welfare programmes;
2. update their knowledge and understanding of operational difficulties in implementation; and
3. suggest remedial measures to overcome such constraints.

A brief of these activities is as follows-Institute has conducted 46 training courses reported in the financial year 2022-23. A List of Training Courses, during the Financial Year 2022-23 is given below:

Sl. No.	Title of Course	Name of Coordinator/ Nodal Officer	Duration	No. of Participants
1.	Training of Cold-chain Technicians on Repair and Maintenance of ILR, DF & Voltage Stabilizer	Prof. Renu Shahrawat	21st to 29th April, 2022	20
2.	Post-Dispatch Phase -1 of ongoing Temperature Monitoring Study (TMS)	Prof. Renu Shahrawat	9th to 20th May, 2022.	25
3.	Training programme i.e. 1st batch training of NACO officials	Prof. Sanjay Gupta	25th to 27th May, 2022	35

4.	Training of Cold-chain Technicians on Repair and Maintenance of Ice-lined Refrigerator, Deep Freezer & Voltage Stabilizer	Dr. Renu Shahrawat	1st to 9th June, 2022	30
5.	Fifteenth National Batch of the Training on Vaccine & Cold Chain Maintenance (T-VaCC)	Dr. Renu Shahrawat	6th to 10th June, 2022	35
6.	Training Course on Hospital Management for Senior Medical Officers & Chief Medical Officers of Border Security Force (BSF)	Prof. Sanjay Gupta Prof. Manish Chaturvedi	18th to 22nd July, 2022	12
7.	Capacity Building Workshop on Mental Health	Prof. Sanjay Gupta	8th to 11th August, 2022	45
8.	Training Course on Demographic Data Analysis for Health Personnel	Dr. Pushpanjali Swain	22nd to 26th August, 2022	17
9.	Online Training Course on Basic Infertility Management for Healthcare Professionals	Prof. Renu Shahrawat	24th - 26th August 2022	52
10.	98th Training Course on "Hospital Administration for Senior Hospital Administrations"	Prof. Sanjay Gupta Prof. Manish Chaturvedi	5th to 23rd September, 2022	22
11.	Training of Cold-chain Technicians (In-Person) on Repair and Maintenance of ILR, DF & Voltage stabilizers	Dr. Renu Shahrawat	19th to 27th September, 2022	26

12.	IRCS, State/UT Branch Leadership meeting	Prof. Sanjay Gupta Prof. Manish Chaturvedi	22nd to 23rd September, 2022	50
13.	Training Course on Monitoring and Evaluation of National Health Programmes including NHM	Prof. V.K. Tiwari	26th to 30th, September, 2022	14
14.	Training program Preparedness for Transition to Licensing under Medical devices Rules (MDR)	Dr. Rajesh Kumar	26th to 28th September, 2022	70
15.	Training Course on Epidemic Preparedness and Management	Prof. Sanjay Gupta	26th to 30th September, 2022	30
16.	Training on Central Nodal Account (CAN) module	Sh. L. Haokip	6th October, 2022	22
17.	Orientation Training on Health Policy, Planning and Financing in context of National Health Program including NHM	Prof. V.K. Tiwari	10th to 14th October, 2022	37
18.	Sensitization Workshop on Breast Cancer Early Detection	Prof. Neera Dhar	11th October, 2022	50
19.	18th Training Course on "IT Application for Information management in Health Science Libraries"	Mr. Salek Chand	17th to 21st October, 2022	18

20.	Training of Trainers on Leadership in Infection Prevention and Control for Nursing Professionals	Prof. Sanjay Gupta Prof. Nanthini Subbiah	17th to 22nd October, 2022	51
21.	Training at Daksh National Skills Lab ToT	Dr. Geetanjal	21/11/2022 to 26/11/2022 & 05/12/2022 to 10/12/2022	16
22.	Training course on Building Nursing and Midwifery Leadership in the Context of UHC/SDG	Dr. Monika Saini	14th to 18th November, 2022	19
23.	Training course on Data Analysis using Epi-Info Software for Health Professionals	Dr. Pushpanjali Swain	21st to 25th November, 2022	23
24.	Training of Cold-chain Technician on Repair and Maintenance of Ice-lined Refrigerator, Deep Freezer & Voltage stabilizer	Dr. Renu Shahrawat	29th November to 7th December, 2022	32
25.	2nd Training of Trainers (ToT) on Leadership in Infection Prevention and Control for Nursing Professionals	Prof. Sanjay Gupta Prof. Nanthini Subbiah	5th to 10th December, 2022	45
26.	Sixteenth National Batch of the Training on Vaccine & Cold-chain Management (TVaCC)	Dr. Renu Shahrawat	5th to 9th December, 2022	35
27.	Training Course on Application of Biostatistics in Epidemiology and Public Health	Prof. Pushpanjali Swain Prof. Sanjay Gupta	12th to 16th December, 2022	25
28.	28th Training course on Logistics and Supply Management System in Health & Family Welfare	Prof. Sanjay Gupta Prof. Manish Chaturvedi	12th to 16th December, 2022	30
29.	Refresher Training of patient care staff of NIHF on Infection Prevention and BMW	Prof. Renu Shahrawat	15th December 2022	32

	Management			
	Training of Cold Chain Technicians on Repair & Maintenance of Walk-in-Cooler & Walk-in-Freezer at NCCVMRC, NIHFV,	Prof. Renu Shahrawat Nodal Officer, NCCVMRC	02 to 07 January, 2023.	20
30.	Training at Daksh National Skills Lab ToT	Dr. Geetanjaly	21 to 26 Nov.2022 & 05 Dec to 10 Dec2022	16
31.	Training at Daksh National Skills Lab	Dr. Geetanjaly	9th to 14th January, 2023	8
32.	Training programs “Risk based inspection of the manufacturing facilities”	Dr. Rajesh Kumar	16th to 21st January, 2023	40
33.	Training of Cold-chain Technicians on Repair and Maintenance of ILR, DF and Voltage Stabilizer	Dr. Renu Shahrawat	16th to 24th January, 2023	32
34.	Building Knowledge Base and Awareness about Traditional and Complementary Medicine (e-iTEC)	Dr. Monika Saini	07 to 09 Feb, 2023	13
35.	Training course on “Gender-Based-Based violence and Human Rights for promoting Women Health	Dr. Meerambika Mahapatro	13th to 17th February, 2023	17
36.	Training Course on Investigation Techniques and Launching Prosecution for Drug Inspectors	Dr Rajesh Kumar, Assistant Professor, RBM	13 -17 February 2023	40
37.	3rd Training of Trainers on Leadership in Infection Prevention and Control for Nursing Professionals	Prof. Nanthini Subbiah Prof. Sanjay Gupta	27th February to 4th March, 2023	30

38.	3 Days Foundation Training Programme for Assistant Section Officers(ASOs) of Central Secretariat Services(CSS) Cadre (MOHFW)	Prof. Sanjay Gupta Prof. V. K. Tiwari	28 February to 02 March, 2023	23
39.	Training Course on Capacity Building of IEC Officers in communication Skills under NHM	Dr. Ankur Yadav	20 th to 24 th March, 2023	14
40.	Building Nursing Leadership for achieving Universal Health Coverage and Sustainable Development Goals (eiTEC)	Dr. Monika Saini	22 – 24 March, 2023	30
41.	Training Program for Master Trainers regarding CGHS	Prof. Sanjay Gupta Prof. Manish Chaturvedi	23-26 March, 2022	35
42.	Training Program for Multitasking Staff of CGHS	Prof. Sanjay Gupta Prof. Manish Chaturvedi	26-28 April, 22 04-06 May, 22 18-20 May, 22 08-10 June, 22 28-30 June, 22 13-15 July, 22 23-25 Aug, 22 29 Nov- 1 Dec, 2022 21-23 Dec, 22	40 30 44 44 40 47 57 21 41
43.	Training Program for Senior Administrative Medical Officers of CGHS	Prof. Sanjay Gupta Prof. Manish Chaturvedi	1 - 6 Aug, 2022 19- 24 Sept, 22	24 30

44.	Fifteenth National Batch of the Training on Vaccine & Cold Chain Maintenance (T-VaCC) Sixteenth National Batch of the Training on Vaccine & Cold-chain Management (TVaCC) (TWO Batches)	Dr. Renu Shahrawat	6th to 10th June, 2022.	23
			5th to 9th December, 2022.	17
45.	Training of Cold Chain Technicians on Repair & Maintenance of Ice-Lined Refrigerator, Deep Freezer & Voltage Stabilizer at NCCVMRC, NIHFW, New Delhi (SIX Batches)	Prof. Renu Shahrawat	21 st to 29 th April 2022 01 st to 09 th June 2022 29 th Nov to 07 th Dec 2022 16 th to 24 th January, 2023 13 th to 21 st February 2023 13 th to 21 st March 2023	124
46.	Training of Cold Chain Technicians on Repair & Maintenance of Ice- Lined Refrigerator, Deep Freezer & Voltage Stabilizer at NCCRC, Pune (Three Batches)	Er. Yogesh Bhamare, NCCRC, Pune	12 to 20 July 2022 11-19 Oct 2022 15 to 23 Nov 2022	62
47.	Training of Cold Chain Technicians on Repair & Maintenance of Walk-in-Cooler & Walk-in-Freezer at NCCRC, Pune	Er. Yogesh Bhamare, NCCRC, Pune	20 th to 25 th June 2022 22 nd to 27 th August 2022	52
Total Number of candidates trained				1955

Meetings:- SFC/GB/PAC/IRB

A List of regular meetings organized, during the Financial Year 2022-23 is given below:

S. No.	Title of Meeting	Name of Coordinator/ Nodal Officer	Duration	Nature of Participants
1.	65 th , 66 th and 67 th Standing Finance Committee	Director	16 th June 2022 17 th Nov. 2023 10 th March 2023	Secretary (MoHFW), AS&FA, DGHS, JS (Training), Director NIHFW
2.	Mid-term Programme Advisory Committee	Director	7 th October, 2022	Members of PAC, Faculty Members, Medical Officers and Research Officers
3.	Programme Advisory Committee	Director	16 th March, 2023	Members of PAC, Faculty Members, Medical Officers and Research Officers
4.	The meeting of the Institutional review board (IRB) committee	Director Dean	02.08.2022 13.03.2023	All members of IRB

3. Research and Evaluation

The Institute gives priority attention to research work in different aspects of health and family welfare. The Institute has an Academic Committee and a high level Programme Advisory Committee consisting of eminent experts from all over India. All the educational and research activities of the Institute are scrutinized and deliberated upon thoroughly by these committees for ensuring the quality in academic endeavors. Further, each research proposal is placed before the Ethical Review Board of the Institute which comprises academicians from health, research and relevant technical backgrounds to look into ethical and other relevant issues.

The Institute conducts evaluation studies of various activities and National Health Programmes initiated by the Government of India. During the year under review, the Institute was involved in 16 research studies. Out of these research studies, 11 have been completed. This includes 8 studies by the M.D. (CHA) students. The remaining 5 are on-going.

COMPLETED RESEARCH STUDIES

1. **A Study on Competencies and Factors enabling the Service delivery of Community Health Officers in selected Health and Wellness Centres of Andhra Pradesh and Haryana** (*Prof. Nanthini Subbaih, Dr. Ankur Yadav and Dr. S. Ramachandra Rao*)

Objective:

- ☐ To explore the competencies and factors enabling the service delivery of Community Health Officers at the Health and Wellness Centers.
- ☐ To assess the competencies (knowledge and skills) of Community Health Officers (CHO) in provision of Comprehensive Primary Health Care (CPHC) services at the Health and Wellness centers.

-
- ☐ To determine the enabling factors and barriers in the service delivery of CHOs
 - ☐ To study the perception of MOs, ANMs and ASHAs regarding the performance of CHOs.
 - ☐ To determine the perception of beneficiaries regarding the service delivery of CHOs.

Major findings:

The findings of the study indicate that out of total 366, about 68% of samples in Haryana and 36% of samples in AP were working as CHOs/ MLHPs in the HWC for more than one year. While assessing the overall knowledge of study samples on maternal health, CHOs in AP had better knowledge (65% had more than 75%) in the area of maternal health than the CHOs in Haryana (60% had more than 75% of knowledge). The overall mean knowledge of CHOs in the area of child health care indicated that about 91% of CHOs of AP and 93% of CHOs of Haryana had more than 75% of knowledge in child health care. In the area of Non communicable diseases out of a maximum score of 8, only 32% of CHOs in AP and 45% of CHOs in Haryana had more than 75% knowledge in screening patients for non-communicable diseases. While assessing the knowledge of samples in other areas of primary health care such as bio-medical waste management, vector borne disease, calculation of body mass index, promotion of elderly health, levels of prevention, family planning, and treatment for burns, it was noted that about 54% of CHOs in AP and 67% of CHOs in Haryana had more than 75% knowledge in these areas. In provision of comprehensive primary health care services (CPHC), 65% of CHOs of AP & 79% of CHOs of Haryana had adequate knowledge i.e. more than 75% of knowledge on CPHC.

The selected core skills of CHOs were assessed using an objective structured clinical examination (OSCE). When the samples were asked to measure the blood pressure using a sphygmomanometer, out of all CHOs (366), 322 CHOs had adequate skill i.e. more than 75% & 38 CHOs had moderate skill (50 -75%). About 258 (71%) could perform the procedure of urine testing correctly. About 74% of CHOs in AP and 96% of Haryana could accurately

perform the blood sugar assessment using Glucometer. When the CHOs were asked to perform the procedure of newborn resuscitation it was found that 63% of CHOs in Haryana and 20% of CHOs in AP had inadequate skill i.e. less than 50%. To assess the skills of CHOs on Partograph, Case scenarios were given to the CHOs and they were asked to plot the Partograph. Only 22% of CHOs of both the states knew when to start partograph and could fill the partograph correctly. About 69% of samples (84% in AP & 45% in Haryana) had less than 50% of skills in partograph plotting to assess the progress of labor. Regarding assessment of geriatric persons, about 51% of the CHOs from both the states had adequate skill i.e. above 75%. With regard to screening for breast cancer, 74% of CHOs of both the study states (77% of CHOs in AP and 68% of CHOs in Haryana) had adequate skill i.e. more than 75%. In screening for oral cancer, (62%) CHOs could perform the screening procedure. CHOs of Haryana had more skills (70%) than the CHOs of AP (56%) in screening for oral cancer.

The correlation between the overall knowledge and skills of CHOs revealed that there is a weak correlation between the overall knowledge and skills of CHOs. This implies that the other factors also play an important role in determining the skills of CHOs. One such factor might be the online conduction of training during COVID pandemic in which no hands-on skills were imparted to the CHOs.

When the CHOs were interviewed regarding the factors which enable them in service delivery at HWC, they expressed that recognition and appreciation from the seniors and community motivates them to perform well. Other enablers informed by them were good coordination between CHO, ANM and ASHA, proper HWC infrastructure with Ayushman Bharat branding, timely availability of essential drugs supply and increased OPD footfall at HWC after their deployment and timely release of salary (in Haryana).

When they were asked about the factors which hinder their service delivery at HWC they expressed that the non-uniformity in population distribution, poor infrastructure (un availability of proper HWC building, no provision of restrooms, water supply, ANC check-up rooms with privacy in Andhra Pradesh) poor network connectivity, lack of accessibility of specialist, lack of

supportive staff, lack of coordination/ teamwork, duplication of reporting and recording by both ANM & CHO, non-receipt of timely untied and diagnostic kit fund, lack of safety and security, irregular supply of drugs, irrational use of tele-consultation services, multiple responsibilities, non-provision of fund for rent of HWC and the cadre related issues, Deputation of CHOs for some other duties such as outreach services, MMUs, community gatherings and deputation duties at CHC/PHC.

When the block medical officers /medical officer I/C of CHC/ PHC (42) were interviewed to elicit their perceptions regarding the performance of CHOs in the provision of primary health care services by using the interview schedule, majority of the MOs (33) agreed that the CHOs are confident in providing services to the community and have the necessary skills to provide primary health care services to the community. But few (8) opined that their skills are not up to the mark. They were of the opinion that in the areas of extended services such as Eye, ENT, burns, palliative care and in screening for NCD, their skills need to be strengthened. Regarding the training received by the CHOs, medical officers said that all CHOs have undergone induction, monitoring and supportive supervision, yoga & aerobics training for 15 days. When the medical officers were asked to suggest measures to improve the service delivery of CHOs, they said regular meetings, supportive supervision, regular monitoring, skill enhancement training at regular intervals and deployment of CHOs in the health facility of their own villages/nearby areas are essential.

To find out the perception of ANMs & ASHAs regarding the service delivery of CHOs, FGDs (8 in AP & 7 in Haryana) were conducted for a duration of 40-60 minutes. 91 ANMs & 92 ASHAs in AP and 76 ANMs & 76 ASHAs in Haryana from the HWCs participated in the FGDs. Regarding the health services provided by CHOs, ANMs of AP said that the MLHPs are punctual in conducting OPD from 9 AM to 1 PM. They treat minor ailments, screen non-communicable diseases, provide antenatal and postnatal services and prescribe medicine and supplements. Activities such as BP and Weight measurement, Random blood sugar and other diagnostic testing (for malaria, dengue, VDRL, HB test, HBsAg, HIV, and Covid RAT) are done by both ANM & CHOs. In the afternoon they connect patients at the community

to the specialists via tele-consultation (e-Sanjeevani). They also visit the homes of the elderly and disabled for routine check-ups and in case of emergency. They also participate in VHSNC and VHND meetings and deliver health and nutrition related talks to the community. Yoga and mobile health services are provided by CHOs some times in the afternoon. ANMs of both Haryana and Andhra Pradesh said that the OPD footfall at the Sub Health Centres has significantly increased after the recruitment of CHOs.

When FGDs were conducted among the beneficiaries (171) in the study states, regarding the service delivery of CHOs at HWCs, they informed that the antenatal registration, BP and RBS monitoring, and immunization is done by ANM during their ANC visit while the antenatal examination is done by CHOs. They said that the antenatal counseling, other diagnostic tests, IFA and calcium supplementation dispensation are done by both CHO& ANM and PNC visits are carried out by ASHA and ANM. Majority of beneficiaries are availing the services of HWC for BP monitoring, sugar testing and getting medicines for fever, TB, breathlessness and pain. Other services available at HWC are ANC, PNC services, availing medicines for hypertension, diabetes, TB, fever, gastritis and other ailments. The main reason expressed by beneficiaries for preferring HWC to avail health services is that CHO is available at the facility and the essential medicines are provided free of cost. If required they are referred by the CHO to the community health centers (CHC) for referral services. The beneficiaries also informed that the CHOs also make home visits to the people who were unable to visit the facility due to their sickness. Overall the beneficiaries were very much satisfied by the services provided at the HWC, especially the ANC, PNC services and NCDs screening. They also appreciated the positive behavior of CHO at the HWCs. They suggested that CHO should stay at the HWC 24x7, and the medicines should be available at HWC for all common ailments. In addition to the existing services, the beneficiaries opined that the lab facility should be provided for all basic routine investigations. Day care bedding should be available for IV infusion and other treatment purposes.

The study finding reveals that there is not much intra and interstate difference in the knowledge of CHOs in provision of services as per their job description. However, the CHOs trained during the covid pandemic period in

both the study states, lack skills drastically as there were no hands on skills imparted during COVID. Good coordination between CHO, ANM and ASHA, proper infrastructure with Ayushman Bharat branding, timely availability of essential drugs supply and timely release of salary have enabled CHOs to provide effective service delivery in HWC. However non-uniformity in population distribution, poor infrastructure in few HWCs, poor network connectivity, lack of accessibility of specialist, lack of supportive staff, lack of coordination/ teamwork, duplication of reporting and recording by both ANM & CHO, non-receipt of timely untied fund, lack of safety and security, irrational use of tele-consultation services, multiple responsibilities, and deputation of CHOs at CHC/PHC, outreach services(camp), MMUs, hamper their service delivery at HWC.

Recommendations: CHOs require regular skill enhancement training, support from higher authorities, a positive work environment and regular field visits for effective screening of non communicable diseases and provision of other primary health care services. The comprehensive recommendations are as follows:-

1. **Infrastructure**-Availability of infrastructure of HWC with Ayushman Bharat branding is essential for ensuring the safety of equipment provided by GOI and for providing comprehensive primary health care services effectively.
2. **Job Responsibility**-Flexibility in achieving targets of tele-consultation in order to promote the rational use of specialist services via tele-consultation. Duplication of entry of data done by the CHO and ANM at HWC needs to be streamlined. To consider revision of indicators (state specific) for providing incentives to CHOs. It should be based on the population of 5000
3. **Job Enhancement**-Skill enhancement training at regular intervals to the CHOs is essential to make them competent for providing extended primary health care services. The routine work, movements, and leave of other team members should be routed through CHO of the HWCs, to empower them as leader of the team.
4. **Financial Support**-Timely release of salary for CHOs. Timely release of Jan Arogya Samiti & untied fund. Increase the amount of untied funds

for miscellaneous expenses such as transportation of drugs from drug stores, purchase of registers and for paying rent for HWC (If HWC is functioning in a rented building).

2. Cost Effectiveness Analysis of Existing Vaccine Transportation V/s Outsourcing of Vehicles (Prof. Renu Shahrawat, Er. Hitesh Kumar, Ms. Dipti Singhal and Mr. Nadeem Ahmad)

Objectives:

- ☐ To analyze the cost effectiveness by comparing the estimated annual cost for the existing transportation system (657 existing and 144 proposed to be procured) with the outsourcing mechanism for vaccine logistics supply in the country at all supply levels.
- ☐ To analyze the cost effectiveness by comparing the estimated annual cost for the proposed 144 vehicles (to be procured) with the outsourcing mechanism (144 vehicles/sites) for vaccine logistics supply in the country.

Major Findings & Recommendations

Scenario 1 – *Estimated annual cost of existing 657 vehicles including 144 proposed vehicles: Procurement V/s outsourcing/hiring of vaccine delivery vehicles at all supply levels.*

Annual cost for Existing mechanism. For 801 vehicles (existing 657 +144 proposed) (₹)	Estimated Annual Cost for Hiring at all supply chain levels (₹)
33,52,22,374	76,40,82,135

For all 801 (657 existing +144 proposed) vehicles in the immunization logistics supply chain, in the existing mechanism the estimated annual cost is ₹33.52 crores and the estimated annual cost for hiring of vaccine delivery

vehicles is ₹76.41 crore. The existing mechanism is ₹42.89 crore (56%) less costly than the hiring mechanism at all levels.

Scenario 2 - Estimated cost for proposed 144 vehicles/sites: Procurement V/s outsourcing/hiring of vaccine delivery vehicles

For 144 proposed vaccine delivery vehicles/sites in immunization logistics supply chain, in the existing mechanism the estimated annual cost is ₹6.60 crores and the estimated annual cost for hiring of vaccine delivery vehicles is ₹12.43 crore. The existing mechanism is ₹5.83 crore (47%) less costly than the hiring mechanism for 144 vaccine delivery vehicles/sites.

Annual estimation cost for proposed 144 vehicles (₹)	Estimated cost for 144 vehicles under Outsource Mechanism (₹)
6,60,02,048	12,43,25,229

3. Impact of Behavioural Intervention Package on the health status of married abused pregnant women attending antenatal clinic of LN hospital, New Delhi. A randomized controlled trial. (Dr. Meerambika Mahapatro, Prof. Sudha Prasad and Prof. Neera Dhar

Objective-

The objective was to evaluate the effects of a behavioral intervention package (BIP) delivered during pregnancy on domestic violence, reproductive and child health, and the quality of life (QOL) of women facing domestic violence.

Major Findings

- ☐ The results showed that the potential of BIP intervention, which was found to be significantly effective in increasing the QOL for abused pregnant women, was higher in the study group than in the control

group ($P = 0.001$). Moreover, QOL scores significantly improved in the control group from baseline to end line.

- ☐ The most observed violence in this study was psychological violence. Pre-intervention, there is not much difference in the prevalence of different types of DV between the two groups. Post-intervention, both study and control groups show a shift towards psychological violence which is significantly more compared to the control group.
- ☐ Post-intervention shows an increase of awareness which is statistically significant.
- ☐ It also reported an increase in self-efficacy concerning spirituality, social support, awareness, and coping with DV-related trauma, which was higher in the study group than in the control group. They also reported being resilient and hopeful about their future.

Recommendations

1. The BIP may be an appropriate method for treating pregnant women experiencing domestic violence from low socioeconomic strata who attend public hospitals in India in order to improve their QOL.
2. The approach may offer a low-cost intervention that healthcare institutions or other organizations in contact with women at risk of violence can implement.
3. It is recommended that India, with its diversified culture, multi-center study, and similar studies conducted on non-pregnant women, would be better.
4. We would recommend, in future studies, following the mothers for longer intervals to measure sustained effects.

4. Study on Effect of Covid-19 pandemic on Intrapartum Care Utilization by Pregnant Women in Urban Slums of Delhi (*Investigator: Dr. Athira K. R and Prof. Renu Shahrawat*)

Objectives:

- ☐ To study the effect of measures to control the COVID-19 pandemic on the utilization of intrapartum services by pregnant women.
- ☐ To identify the important factors influencing the use of intrapartum care services during the Covid-19 pandemic.
- ☐ To compare differences in intrapartum service utilization before and after the enforcement of lockdown to control the Covid-19 pandemic.

Major Findings:

The utilization of antenatal and intrapartum care services showed a decrease during the Covid-19 pandemic. There was a minimal decrease of 6.9% in the ANC registrations. The late trimester registrations have increased during the pandemic compared to the pre lockdown period. During the pandemic, ANC care was mainly provided from government facilities and by government health care workers. A reduction of 24.1% in the percentage of mothers with minimum 4 ANC visits was also documented in the pandemic period.

The rate of institutional delivery showed a 11.4% reduction during the Covid-19 pandemic with lower institutional delivery rates observed during the lockdown period (March 24th to May 31st 2020). Similarly, the skilled birth attendance during home delivery was also reduced during the pandemic with about half of the home births attended by unskilled birth attendants. The educational level of mothers, education of the husbands, parity, knowledge about the government initiatives for ANC and delivery services, minimum 4 ANC visits, the availability of health services from the same center as registration of pregnancy and availability of delivery services from the place of ANC services, and loss of income, all these factors had significant association with the place of delivery in both pre lockdown and post lockdown groups. During the Covid-19 pandemic, the additional factors associated with place of delivery were non - availability of transportation,

shifting of mothers to hometown for delivery and health facility related factors like conversion of healthcare facility to Covid-19 care center, non – availability of health professionals and not offering regular services during the Covid-19 pandemic. The health facility related factors during the Covid-19 pandemic showed a strong significant association with home delivery (Odds ratio = 8.116). The other factors strongly associated with home delivery during the pandemic were loss of income (Odds ratio = 2.684) and shifting of mothers to hometown for delivery (Odds ratio =2.255).

As observed in case of ANC visits the intrapartum care was mostly utilized from government facilities. The role of nurses in assisting the deliveries in government hospitals and the untrained birth attendants conducting the home deliveries have shown an increase during the pandemic.

Recommendations:

Policy level

1. Government health system showed resilience and was able to provide Maternal health services including intranatal care to the majority. Hence the strengthening of the public health system needs to be further augmented.
2. Financial protection mechanisms should be devised so that financial care can be ensured during public health emergencies to ensure the utilization of essential health care facilities either by increasing the entitlements under the existing programmes like JSY or by relaxing the conditions of government health insurance schemes like Ayushman Bharat for a specified time period.

Institutional level

1. Facility level preparatory plan to deal with public health emergencies like Covid-19 should be formulated so in such emergencies essential health services like Antenatal, Intranatal and other essential services can be provided uninterruptedly.

-
2. The referral services should be further strengthened to maintain the Maternal and Child health services along with providing emergency care at times of crisis.
 3. The use of Information and technology needs to be expanded to all levels of health care in provision of health services like health promotion activities, showing a potential to plan and provide such services in case of health emergencies and difficult to reach populations.

5. Assessment of DISHA (Delhi Initiative for Safeguarding Health of Adolescents) clinics under Rashtriya Kishor Swasthya Karyakram (RKSK) in Delhi *(Investigator: Dr. Rajan and Prof. V.K. Tiwari)*

Objectives:

- ☐ To assess the availability, accessibility, awareness, utilization and friendliness of adolescent health services among adolescents availing through DISHA clinics.
- ☐ To describe the perception of healthcare providers and to identify the challenges towards providing adolescent friendly health services in DISHA clinics.

Major Findings:

The study found that the knowledge of adolescents about DISHA clinics was low (12.3%). The study also found that the utilization of services by DISHA clinics was 48.3% among adolescents out of which majority of the services utilized were treatment of general ailments (51%) followed by menstrual health services (22%) and services related to pubertal changes (21%). Physical infrastructure of DISHA clinics lacked dedicated space for two-thirds of the clinic, signboards in 40% of the clinics and privacy in consultation rooms. Sanitary napkins were available at only one DISHA clinic.

More than half of the adolescents had never heard about the RKSK program and only 12.3% had heard about the DISHA clinic/AFHCs. About 11% knew about the timings of the clinic. About 50% knew about the adolescent health services available to them. More than 80% of adolescents had no knowledge about the “Saathiya salah” application and peer educator program.

The challenges adolescents face as per HCPs perspective includes lack of privacy, lack of awareness/knowledge about clinics, stigmatization and misconception about some services. Barriers for HCPs were high workload, lack of dedicated counselors, no provision of sanitary napkins, no dedicated space for clinics and training of staff.

Recommendations:

1. Awareness generation among adolescents and the community at the ground level through community campaigns.
2. Provision should be made to ensure consistent and adequate supply of drugs and commodities in the public health facilities.
3. Integrate education on these issues into school curriculums.
4. Qualified counselors should be made available at DISHA clinics to specifically address the needs of individual adolescents.

6. Study On Out-of-Pocket Expenditure in Patients admitted in Cardiology Department Under PMJAY in a Tertiary Care Hospital in Delhi (Investigators: Dr. Sivarchaka Omkarnath and Prof. Manish Chaturvedi)

Objectives

- ☐ To assess the direct and indirect health expenditure incurred by the patients admitted in the cardiology department under PMJAY in a tertiary care hospital in Delhi.
- ☐ To compare the expenditure incurred by the patients prior to PMJAY and after their preauthorization into the scheme

Major Findings:

The majority of the patients were diagnosed with Percutaneous Transluminal Coronary Angioplasty inclusive of the diagnostic angiogram

The study revealed that none of them paid any amount for a doctor's consultation during their hospital stay and none of them paid any amount for bed charges during their hospital stay.

The study revealed that 61% of the beneficiaries had not paid any amount to seek the services during hospitalization under the PMJAY scheme, whereas, the remaining 39% of them had some OOPe to avail of the services.

This study revealed that the average direct medical expenditure during the hospital stay at the current hospital is approximately Rs. 1511.

The main reasons for out-of-pocket payments are the beneficiaries' lack of knowledge about the total health benefits package (HBP) of the PMJAY scheme and hospitals' failure to create awareness among the beneficiaries and follow PMJAY procedures and guidelines at times.

Recommendations

1. One of the major findings of the study is, that for temporary pacemaker implantation (package code - S1200021) in the Health Benefits Package 2.0, only a procedure price of Rs. 19200 is given and there is no provision for the temporary pacemaker implant.
2. The provision for follow-up packages and continued supply of medicines till the required duration may be ensured.
3. To compensate for the transportation charges, the beneficiaries may be paid some fixed amount per visit as a part of Rs. 5,00,000 coverage per annum to meet the transportation expenses like in other schemes like RSBY and AarogyaSri scheme in Andhra Pradesh

-
4. The network of the empanelled hospitals in the tier-I and tier-II cities may be enhanced

7. Current status of Medical Value Travel in Joint Commission International (JCI) accredited hospitals in NCR of Delhi (Investigator- Dr. Vineet Gautam and Prof. Sanjay Gupta)

Objectives:

- ☐ To describe the current status of medical value travel in JCI accredited hospitals in Delhi NCR.
- ☐ To study the process of JCI accreditation at selected tertiary care hospitals for MVT.
- ☐ To study the effect of the current COVID-19 pandemic on medical travelers inflow.
- ☐ To describe the medical travelers perspectives in the selected hospitals.
- ☐ To describe the problems faced by the hospital administration in dealing with medical travelers.
- ☐ To give recommendations for the future in the field of MVT.

Major Findings:

The maximum number of medical travelers came from Iraq, Afghanistan, Bangladesh, Nepal and Kenya. South east Asia, sub-saharan Africa and the middle east are the most popular geographical regions. Europe and North America are potential markets for the future. Neurology, Oncology, Cardiology, Orthopaedics and Transplant medicine are the top specialties chosen by the medical travelers bound to India. The top favorable factors for MVT to India are the culture and the availability of high quality services at low cost. Age of medical travelers ranged across the spectrum from 0.75 to 93 years with the maximum density post fifty years of age. It was found that pre-arrival perception of the destination country is associated with treatment satisfaction. A majority (81.1%) had a positive pre-arrival

perception about India and out of the negative perception, population and pollution were the top drawbacks. The culture and quality of care received were the leading positive factors. The suggestions were varied and interpreter availability, better services in general, better punctuality, better value for money, home cuisine and home entertainment availability are some of them. The far majority were satisfied with the parameters assessed.

Recommendations:

1. JCI or international accreditation IEC should be promoted to the medical professionals as well as the common people.
2. NABH India has established a robust framework for the accreditation of hospitals which needs to be highlighted in various source markets.
3. A SOP needs to be formed for addressing the risk of international health issues in line with the WHO International Health Regulations.
4. The health professionals should be trained to understand the cultural background and expectations of medical travelers.
5. Improve the availability of a sufficient number of multilingual interpreters in JCI accredited hospitals.
6. The insurance market has a lot of future potential including collaborations with international insurance companies and increase in scope of domestic ones to the foreign market.

8. Post- Introduction Evaluation (PIE) of Covid-19 Vaccination in Delhi

(Investigators: Dr. Ngangom and Prof. (Dr.) V. K. Tiwari)

Objectives:

- ☐ To conduct Post-Introduction Evaluation (PIE) of COVID-19 vaccination across different levels of the healthcare system in Delhi.

Major Findings:

The Operational Guideline for COVID-19 vaccination was adopted at the health facilities and session sites visited.

There was close inter-sectoral coordination between the various departments, such as MoHFW, Education department, Women and Child Development/ Integrated Child Development Services (ICDS) and State Police Department.

Various vaccine delivery strategies such as health facility fixed post (33%), non-health facility fixed post – Government institutions (11%), schools (34%), Anganwadi centers (11%) and mobile camps (11%) were employed.

Half (50%) of the health facilities and most of the session sites (61%) visited were providing two types of COVID-19 vaccines – COVEXIN and COVISHIELD.

The CoWIN platform, created specifically for the COVID-19 vaccination, had been used for recording, reporting and monitoring of the COVID-19 vaccination activities.

Supervisory visits were conducted with checklists by a team, composed of representatives from the State and/or District level, along with programme managers from WHO, UNICEF and UNDP.

COVID-19 vaccines were supplied from the State Vaccine Stores (SVS) to the District Vaccine Stores (DVS) and then they were either distributed by or collected from the DVS to their respective health facilities which had CCPs. eVIN (Electronic Vaccine Intelligence Network) portal was an online platform which was used to record the existing stocks of the COVID-19 vaccines.

Temperature monitoring was done systematically to maintain the cold chain at all levels. Changes brought upon the cold chain space were allocation of a new building as SVS with provision of new equipment, procurement of new equipment in all the three districts as well as creation of space in the existing equipment at the HF-CCPs.

Cascaded training specific for COVID-19 vaccine were conducted before the vaccine introduction. Orientation training of the newly recruited HCWs were also conducted.

There was a high profile launch of COVID-19 vaccination programme with mass media involved on a large scale, which showed strong political commitment and programme stewardship.

Out of 183 beneficiaries interviewed, 96% of them reported to have been recommended to take the COVID-19 vaccine. When these 175 beneficiaries who got recommended to get COVID-19 vaccinated had been asked who made the recommendation, it was mostly family members (77%), friends (30%) followed by HCWs (13%), employers (13%) and community organizations (3%). All the beneficiaries were also willing to recommend the COVID-19 vaccine to others.

Recommendations:

1. Smaller dose vaccine vials may be considered, to curb any vaccine wastage.
2. The post-vaccination observation for 30 mins must be taken seriously and the HCWs at the session sites must be encouraged to follow it stringently.
3. Refresher training for all the HCWs already trained may also be conducted covering all the aspects of COVID-19 vaccination, considering that the COVID-19 vaccination programme has seen changes over time.
4. The communication mechanism adopted at the session sites can be strengthened and can also be taken as an opportunity to deliver important messages not only for COVID-19 vaccine but also for the COVID-19 preventive measures that must be followed at all times since the pandemic is not over yet.

9. Study of Implementation of National Organ Transplant Programme (NOTP) at Tertiary Care Hospitals in Delhi (*Investigators - Dr. Prashant Bhardwaj and Prof. Sanjay Gupta*)

Objectives:

- ☐ To find out the availability of human resources and training to various categories of health functionaries under NOTP in tertiary care hospitals in Delhi.
- ☐ To assess the required facilities available for implementation of NOTP in tertiary care hospitals in Delhi.
- ☐ To describe various IEC activities initiated by tertiary care hospitals under the NOTP in Delhi.
- ☐ To examine the existing Information System (transplant registry) for retrieval and allocation of organs in tertiary care hospitals in Delhi.
- ☐ To find out networking and coordination of designated transplant/retrieval centers with NOTTO at Delhi.

Major Findings:

NOTTO under the NOTP was conducting regular training for various human resources. There was an apparent need to sanction more human resources and allocate more infrastructure to the Organ Transplant Department. Training of Transplant Coordinators by NOTTO was effective. The IEC activity of AIIMS was effective but in some hospitals it was weak. The transplant registry and networking with NOTTO and among the hospitals were efficient. A regular feedback system was present.

NOTP is efficiently implemented in Delhi with some gaps like over-burdened staff, inadequate infrastructure allocation and weak IEC activity by some hospitals.

Recommendations:

1. Electronic and Mass Media like TV, News Papers should be used for mass awareness in public by hospitals.
2. There should be faster action by the brain death certification committee.
3. One more Transplant coordinator may be sanctioned for each hospital to strengthen the coordination with other hospitals.
4. There should be an enhancement in infrastructure and facility development funding grants.
5. NGOs should also be involved in IEC activities more actively.
6. There should be an arrangement of appreciation certificates and incentives for Doctors, Nurses and other coordinating staff for good work.

10. Evaluation of POSHAN Abhiyaan in selected districts of Delhi (*Investigator – Dr. Chirag Gupta and Prof. Sanjay Gupta*)

Objectives:

- ☐ To assess the implementation of the components of the Abhiyaan in selected districts of Delhi.
- ☐ To measure the services provided to the beneficiaries (Pregnant women, Lactating mothers and Children 0-6 years old) under the Abhiyaan in selected districts of Delhi.
- ☐ To describe the extent of improvement, if any, in the targets of the Abhiyaan in selected districts of Delhi.

Major Findings:

120 AWWs work on Poshan Tracker application for real time data entry of beneficiaries but all face problems in its user interface. All AWWs were trained in 21 ILA modules.

CBEs such as Annaprasan Diwas, Poshan-Mah and Pakhwada were celebrated in all AWCs.

Supplementary Nutrition was being provided to each beneficiary whether it was in the form Take – Home Ration or Hot Cooked Meal. All the beneficiaries were not satisfied with the quality of supplementary nutrition.

Beneficiaries were receiving all the other services such as immunization, preschool education, PMMVY installments, etc.

Recommendations:

1. Operationalization of the Poshan Tracker application should become smooth with entries for all kinds of data for all categories of beneficiaries so that registers be discontinued from the Anganwadi Centres.
2. Amount reimbursement should be done before the conduction of CBEs so that there should not be any out-of-pocket expenditure on the Anganwadi Workers.
3. The contents of Supplementary Nutrition should be changed according to the needs of the beneficiaries. Also, arrangements should be made to maintain the quality of supplementary nutrition at the time it reaches the AWCs.

11.mHealth platform ANMOL: Usability and implementation in a district of Haryana. (Investigators: Dr. Abhishek Dixit, Prof. Manish Chaturvedi)

Objective:

-
- ☐ To assess usability with respect to usefulness, satisfaction, ease of use, system info arrangement.
 - ☐ To identify strengths and challenges in implementation.

Major Findings:

Usability:

Ease of Use and Satisfaction: •Highest score: like the interface; info well organized and easy to learn to use the app, •Lowest score: time not fitting; not comfortable to use in a social setting. •Score: 4.70 (on a scale of 7)

System Information Arrangement: •Highest score: all functions present as per expectations, navigation is consistent, •Lowest score: mistakes difficult to recover, not able to see progress of my action. •Score: 5.02 (on a scale of 7)

Usefulness: •Highest score: more opportunities to interact due to app; convenient to communicate with patient; •Lowest score: less usefulness for practice; less improvement in delivering services; •Score: 3.73 (on a scale of 7). *Final score of usability of ANMOL platform by MUAQ= 3.97(on a scale of 7)*

Implementation:

Key Strengths: Training of ANMs (70%), Support system (70%); New Tablets (60%).

Key Constraints: Big change in workflow (90%), more time consuming (80%); ANMs overworked (70%).

Recommendations:

1. Fix key usability issues highlighted in the study.
2. AI powered: Speech to text/image to text.
3. Security features like OTP, direct calling.
4. Revise data points based on utilization/Date and time stamp for each record.
5. Identity refresh of ANMs- Smart ANMs.
6. Special support system for some ANMs.
7. ABDM ecosystem.

ON-GOING RESEARCH STUDIES OF THE INSTITUTE

Following are the research studies ongoing in the academic year 2022-2023.

S. No.	Topic of the Research Study	Principal Investigator	Co-investigator
1	Evaluation of Neem Phytochemical Extract on Toxicity in Male Rats to be used in Combination with Hormones for the Development of Male Contraceptive: A Pilot Study	Dr. S. Ramachandra Rao	Dr. Rajesh Kumar
2	A Feasibility study to estimate PSA in blood serum of male 50 years and above utilizing Health and Wellness Centre setup in south Delhi	Dr. Rajesh Kumar	Dr. Sathuluri Ramachandra Rao
3	A Study on the Assessment of Socio-Demographic and Health Vulnerabilities from Impact of Natural Hazards on Small-Scale Fishing Communities	Dr. Monika Saini	Dr. Vandana Bhattacharya Dr. Sherin Raj Dr. Vaishali Jaiswal Dr. Bhawana Kathuria
4	Impact Assessment of Central Sector Scheme “Strengthening of Food Testing System Including Provision of Mobile Testing Labs (SOFTEL)” in India	Dr. Rajesh Kumar	
5	Temperature monitoring study of the immunization supply chain in India	Prof. Renu Shahrawat	Dr. Kanchan, Mr. Shashi Kant Ray, Mr. Rakesh Kumar

On-going Thesis Work by MD (CHA/DHA) Students

Following are the 8 ongoing thesis work by MD (CHA)/DHA students
(Batch 2021-2024).

1	“A Study on Health Seeking Behaviour and Out of Pocket Expenditure in Cervical Cancer Patients Attending a Tertiary Care Hospital in New Delhi”	Dr. Kalika Kumari	Prof. Renu Shahrawat
2	A Study on Experience and Perception of Healthcare Service Providers of Ayushman Bharat-Pradhan Mantri Jan Arogya Yojana in the National Capital Region	Dr. Navneet Mehta	Dr. Rajesh Ranjan
3	Prediction of 10 - Year Risk of Cardiovascular-Diseases using WHO HEARTS Risk-based CVD Management Tools and Assessment of Knowledge of Cardiovascular- diseases among Urban Slum Dwellers of South Delhi	Dr. Prerana Anjan H	Prof. V.K. Tiwari
4	A Study on Knowledge, Role Perception and Functional Efficacy of Accredited Social Health Activists (ASHAS') in Provision of Primary Healthcare Services in Delhi	Dr. Ringu Jirie	Prof. Nanthini Subbiah
5	A Study on Geriatric Health Assessment of the Inmates of	Dr. Sreelakshmi M	Prof. Meerambika Mahapatra

	Selected Old Age Homes in New Delhi		
6	A Study on Utilization of Maternity Services and Satisfaction of Pregnant Women at CGHS Maternity & Child Health Centre, New Delhi	Dr. Sartaz Jahan	Dr. Ankur Yadav and Co-Supervisor Prof. V. K. Tiwari
7	A Study on Awareness and Serological Profile of Hepatitis B and C Infection among Antenatal Women Visiting A Government Hospital in Delhi	Dr. Suniti Singh	Dr. Rajesh Kumar and Co-Supervisor Prof. Sanjay Gupta
8	Costing of Pediatric Intensive Care Services in a Tertiary Care Hospital in New Delhi	Dr. Vishwa Deepak Singh	Prof. Manish Chaturvedi

4. Specialized Projects and Consortium Activities

The NIHFW manages the various activities of many specialized projects like National Cold Chain and Vaccine Management Resource Centre, National Skills Lab (DAKSH), Centre for Health Informatics, Mother and Child Tracking Facilitation Centre, National Technical Advisory Group on Immunization (NTAGI) Project, etc.

National Cold-Chain and Vaccine Management Resource Centre (NCCVMRC)

NCCVMRC is an apex resource center for Government of India, established in 2013 as a joint initiative by the NIHFW, MoHFW and UNICEF, with the objective to facilitate the establishment of high quality, effective and efficient immunization supply chain (ISC) to ensure universal immunization coverage with safe and potent vaccines.

- ☐ The role that NCCVMRC plays in strengthening the Immunization Supply Chain (ISC) in the country is as follows:
- ☐ Capacity building of Immunization Program Managers, Vaccine and Cold Chain Handlers and Cold Chain Technicians.
- ☐ Conducting various studies and assessmentsMaintaining a robust National Cold Chain Management Information Syst
- ☐ Acts as a Secretariat for Effective Vaccine Management (EVM) Assessment
- ☐ Acts as a Secretariat for National Technical Advisory Board (NTAB) for Cold Chain & Logistics, Technical Specification Committee (TSC) and Technical Specification Development Group (TSDG)
- ☐ Provide necessary technical Support in the area of Immunization supply chain to MoHFW, Government Medical Store Depot (GMSD), States and UTs
- ☐ The center not only plays a role in strengthening Immunization Supply Chain (ISC) in the country but also provides technical support

for capacity building of other countries in Vaccine and Cold Chain Management.

- ☐ Management guidelines and preparing a new CCE procurement and distribution plan.



Centre for Health Informatics (CHI) for National Health Portal (NHP)

Centre for Health Informatics (CHI) under Administrative control of the National Institute of Health and Family Welfare (NIHFW) has been working for implementation various IT initiatives/Programs of Ministry of Health and Family Welfare (MoHFW) for achieving various goals with the extensive deployment of digital tools/technologies in the Health ecosystem.

Brief details of ongoing activities of CHI during the year under report are as follows:

- ☐ **NPHO (National Public Health Observatory):** Ministry of Health and Family Welfare (MoHFW) has set up a National Public Health Observatory (NPHO). Healthcare programmes and applications currently in use at various levels are planned to be integrated into the observatory and all the data are being processed using an analytical layer for extracting required insights and dashboards. This exercise is being headed by the Center for Health Informatics. NPHO was Launched in 2022.
- ☐ **Pradhan Mantri National Dialysis Programme (PMNDP):** The Ministry of Health and Family Welfare, Govt. of India has started an IT platform namely Pradhan Mantri National Dialysis Programme

(PMNDP) <https://pmndp.mohfw.gov.in> which aims to provide smooth delivery of necessary dialysis services to every patient. PMNDP launched in 2022.

- **Health and Wellness Centers (HWC)**, <https://ab-hwc.nhp.gov.in/>: Under Ayushman Bharat Programme, 1.5 lacs Health and Wellness Centers (HWCs) are being involved to provide comprehensive primary health care near to people by upgrading existing health facilities- Sub Health Centers (SNCs) and Primary Health Centers (PHCs). CHI has developed and hosted a portal for monitoring the progress of the programme.
- **Non communicable diseases screening tracking system (NCD-STs)**: CHI on behalf of MoHFW is providing Cloud Resources for hosting the application software (which is operated by Dell and Tata Trust). Since its launch, CHI has been operating the NCD App and the portal with the coordination of the NCD division of DGHS, MoHFW and Dell.
- **Pradhan Mantri Surakshit Matritva Abhiyan (PMSMA)**, <https://pmsma.nhp.gov.in>: CHI developed and maintains a PMSMA portal. The PMSMA program aims to provide assured, comprehensive and quality antenatal care, free of cost, universally to all pregnant women.
- **Surakshit Matritva Aashwasan (SUMAN)**, <https://suman.nhp.gov.in/> : CHI developed and maintains a portal to provide information and to monitor assured delivery of maternal and new-born healthcare services in order to end all preventable maternal and new-born deaths and morbidities and to provide a positive birthing experience.
- **National Health Portal (NHP)** <https://www.nhp.gov.in/> : NHP serves as a single point of access for consolidated information about health, health related conditions/ diseases, health care services, various national health programmes, mobile applications.
- **National Tobacco Control Programme (NTCP)** (<https://ntcp.nhp.gov.in/>) Portal is created to provide support for the effective implementation of the NTCP in the country
- **Mera Aspataal** (<https://meraaspataal.nhp.gov.in/#>) - Mera Aspataal is an initiative of the Ministry of Health and Family Welfare, Government of India to capture patient feedback for the services received at the hospital through user-friendly multiple channels such

as Short Message Service (SMS), Outbound Dialing (OBD) mobile application and web portal. 11,493 hospitals are registered under the application so far (till 31st January 2023).

- **Digital Portal for Crowd funding & Voluntary Donations for Rare Diseases** is currently live. It is being created to facilitate voluntary donations for the treatment of patients suffering from rare diseases. The information relating to the patients, diseases from which they are suffering, estimated cost of treatment and details of bank accounts of the treating Institutions is available on this portal.
- **Registry-National Identification Number to Health Facilities of India (NIN-to-HFI):** Ministry of Health & Family Welfare is providing National Identification Number to Health Facilities of India with the help of CHI to create Master Register for Health Facilities. NIN mapping with HWC is done. NIN is also being seeded in RCH, DVDMS, LaQshya, Mera Aspataal, NCD, SUMAN, PMSMA.
- **Cyber Security:** CHI is also involved for providing effective Cyber Security in health, incidence response, resolution and cyber crisis management. CHI has prepared action plan for Celebration of Cyber Jagrukta Diwas (CJD)
- Further, Centre for Health Informatics is providing technical expertise in various programs under MoHFW like COVID-19 India Dashboard, Central Dashboard, Budget Dashboard, PMSSY Dashboard, National Health Policy Dashboard and others.

National Skills Lab – DAKSH

National Skills lab - DAKSH at NIHFW was established on 9 March 2015 by Government of India in collaboration with LSTM, UK and the Maternal Health Division of MOHFW to upgrade the skills of health care providers such as ANMs/LHVs/SNs/MOs/nursing supervisors and faculty/obstetricians and pediatricians working at delivery points for providing quality RMNCH+A services. Skills Lab serves as a prototype demonstration and learning facility for healthcare providers and focuses on competency based training. Skills Lab provides the opportunity for repetitive skills practice, simulation of clinical scenarios and training under the supervision of qualified trainers.

The Skills Lab comprises 4 skill stations and 1 model Labour room where the trainees learn 35 Basic skills in 6 days of training through practicing skills on mannequins, simulation Exercises, demonstrations, role plays, videos and Presentations. Areas in which training is imparted are Antenatal, Intra-natal, Postnatal & Newborn care, Family Planning, Infection Prevention, Management of Complications, Adolescent Counseling and other RMNCH+A Services. There are 22 states associated with the NIHFWS.



From its inception total 906 health care professionals have been trained till 31st March 2023 out of which 19 participants got trained into 2 batches during the year under review.

National Technical Advisory Group on Immunization (NTAGI) Project:

The National Technical Advisory Group on Immunization (NTAGI) was established by an order of the Ministry of Health and Family Welfare (MoHFW) in 2001. As India's apex advisory body on immunization, the NTAGI provides guidance and advice to the MoHFW on provision of vaccination and immunization services for the effective control of vaccine preventable diseases in the country. The NTAGI is chaired by Secretary, Health & Family Welfare (H&FW) and Co-chaired by Secretary, Department of Biotechnology (DBT) and Secretary, Department of Health Research (DHR) & Director General-Indian Council of Medical Research (ICMR).

The NTAGI is supported by the Standing Technical Sub-Committee (STSC), which is further supported by two Standing Working Groups: (i) Vaccine Preventable Disease Surveillance; (ii) Immunization and Vaccine Research and Capacity Building. In addition, it is supported by need based ad-hoc

working groups: Cholera WG, Typhoid WG, Hepatitis WG, Influenza WG, Rotavirus WG, PCV WG, Leprosy WG, HPV WG, Vaccine Cost-Effectiveness WG, Code of Practice WG, Japanese Encephalitis WG, Maternal immunization subgroup, Vaccine confidence sub group, Rotavirus Vaccine WG and COVID-19 WG. The STSC, consisting of independent members, is tasked with undertaking technical review of scientific evidence on matters related to immunization policy and programmes. Final recommendations are drafted by the NTAGI taking into account the scientific review by the STSC, Working Groups and any other relevant evidence.

The NTAGI Secretariat was established in 2013, to provide techno-managerial support to the NTAGI, STSC and its working groups. In April, 2016, it was decided that the NTAGI Secretariat would be completely supported by the Government of India and it will be established in NIHF. The NTAGI Secretariat has been functioning in NIHF since May, 2017.

The following major activities were facilitated by the NTAGI Secretariat:

S. No.	Name of Meeting/ Group	Number of Meeting Conducted in 2022-23
1	NTAGI meeting	1
2	STSC Meeting	3
3	HPV Working group meeting	2
4	Hexavalent working group meeting	1
5	Typhoid working group meeting	1
6	Pneumococcal conjugate vaccine working group meeting	1
7	Covid-19 working group meeting	11

8	Code of practice working group meeting	1
9	SWG-Vaccine Preventable Diseases Working group meeting	1
10	SWG-IVRCB working group meeting	2
11	Influenza working group meeting	2
12	Monkeypox working group meeting	1
13	Total	27

Mother and Child Tracking Facilitation Centre (MCTFC)

Mother and Child Tracking Facilitation Centre (MCTFC) was set up at National Institute of Health and Family Welfare (NIHFW) and it went live on 29th April, 2014. It is a major step taken by the Government of India under the National Health Mission in improving the maternal and child health care services. M/s Terracis (erstwhile named as M/s IL&FS Pvt Ltd.) was engaged as Helpdesk Service Provider (HSP) for augmenting the Mother and Child Facilitation Centre (MCTFC) project on turnkey basis through a contract signed with MoHFW on 2nd Nov, 2016. This contract was valid for 5 years from the date of Go-live of the project, i.e. 10th March, 2017. The project has been extended till 9th July 2023 at the same terms and condition of master agreement. An Evaluation of MCTFC project was conducted by NHSRC on Nov 22-Jan 23. The findings have been shared with the Ministry.

Infrastructure at MCTFC- As part of the project, HSP procured, installed and is maintaining complete infrastructure required for the project, whose ownership is with MoHFW. MCTFC has a central server room for hosting servers, network and telecom equipment and applications. The HSP has also developed and has been maintaining a web-based customized MCTFC solution for enabling Inbound/Outbound calling and SMSes to beneficiaries and Health workers registered on RCH application. The MCTFC solution is integrated with RCH Application for data exchange of RCH beneficiaries

through web-services. After completion of Phase 1, i.e. procurement, installation and operationalization of infrastructure and development of software solution, MCTFC project went Go-LIVE on 10th March, 2017, and the Call Centre has been operational ever since. For telecom connectivity, HSP has signed a contract with a Telecom Service Provider (TSP) for provision of PRI Line services. Payments against the Invoices raised for the TSP services are paid by the HSP, which are further reimbursed by MoHFW.

MCTFC Application- Based on the interaction with beneficiaries and health workers, the reporting system of MCTFC provides performance reports that act as feed back to MoHFW on program performance. Some Key Performance Indicators (KPIs) are identified from these reports and the performance of States is assessed based on these KPIs. Accordingly, States take necessary corrective action to improve their performance indicators.

Operationalization of MCTFC- The agents are responsible for making outbound calls and answering calls of beneficiaries and health workers every day except on national holidays. In addition, there are 2 doctors who respond to the specific queries of beneficiaries and health workers and provide non-clinical advice to them.

Calls connected to the beneficiaries from MCTFC center-From 1st April, 2022 to 31st March 2023, more than 14.51 lakhs calls were made to beneficiaries through MCTFC for data validation, and promotion and facilitation in availing maternal and child health services and government schemes. More than 6.4 lakhs calls were made to ANMs and ASHAs for data validation and resolution of their queries, and more than 6.58 lakh voice messages on Maternal and Child care have been delivered to the beneficiaries.

PC & PNDT Nodal Agency:

PC & PNDT Nodal Agency was established at the National Institute of Health and Family Welfare, under the Ministry of Health and Family Welfare in February 2017, as per directives of the Hon'ble Supreme Court of India in response to Writ Petition

(Civil) No. 341/2008, as an interim arrangement, to monitor the e-advertisements related to preconception and prenatal determination of sex or sex-selection, prohibited under Section 22 of the PC & PNDT Act, 1994. The primary objective of the Nodal Agency is to regulate the e-advertisements and facilitate their removal. After due authentication of complaints with respect to the violation of section 22 of PC & PNDT Act, the complaints received from the general public/ government functionaries/ other sources are forwarded to the respective search engines for appropriate action, e.g. Blocking URLs and follow-up is done on the action taken by the search engines. Furthermore, the Nodal Agency also performs suo moto activities and monitors different search engines and social media platforms such as Google, Yahoo, Bing, YouTube, etc. for violation and takes necessary action against them.

Since its establishment, the Nodal Agency has received over 50 complaints & prepared 288 suo moto complaints, resulting in the identification of nearly 5688 URLs that violate section 22 of the PC & PNDT Act and also worked on approx. 620 keywords for monitoring the search engines such as Google, Yahoo and Bing till 31st March 2023. Out of these, 14 complaints were received during the period April 2022-March 2023 and 92 suo moto complaints were made identifying nearly 1700 URLs along with monitoring of search engines with more than 130 keywords.

SAKSHAM (Stimulating Advanced Knowledge for Sustainable Health Management)

It is a Digital Learning Initiative of MoHFW, Govt. of India and is developed by The National Institute of Health & Family Welfare (NIHFW), New Delhi. SAKSHAM: Learning Management Information System (LMIS) is the dedicated, unified and single online platform for providing all public health related training and medical education through digital mode to all the health professionals in the country. This platform will enable health professionals to get advanced training without any disruption in their regular job. This platform will be used for the following purposes -

- ☐ Online Learning: Health professionals and medical students can get advance knowledge of their domain from experts of reputed health institutions,

-
- ☐ Online Training: Various program divisions of MoHFW can use this platform to provide online trainings to their health cadres and
 - ☐ (Monitoring offline trainings: through the integration of Training Management Information System (TMIS) this portal will also monitor the offline trainings running in various states.

During the year under report following major activities were done:

1. SAKSHAM portal is hosting around 200 public health related courses offered by various program divisions of the MoHFW.
2. Clinical courses offered by National Medical College Network (NMCN) for medical education are also hosted on this portal.
3. Courses offered by NACO in collaboration with Johns Hopkins University are also hosted on SAKSHAM portal.
4. 122 Standard Treatment Workflows (STWs) in 23 specialties, developed by ICMR, New Delhi are hosted on the portal.
5. Launching of the SAKSHAM portal was done by the Secretary (H&FW) on 9th May, 2023.

5. Specialized Services

NIHFW is conducting many specialized services in the field of health and family welfare like MCH and management of Infertility, Adolescent and Youth health, Menopausal health, Clinical Laboratory Services, National Documentation Centre Services, Press Unit, Audio- Visual Services, Computer Centre Services etc.

NIHFW Clinic

The NIHFW Clinic provides Clinical services and the services include management of infertility, management of reproductive endocrinological and gynecological disorders, antenatal care, immunization of antenatal patients, infants & children and contraceptive services. In the afternoon, adolescent & youth and well-women clinics are also run. Registration is free for all the patients. The services are provided free of any charge to the poor patients including the laboratory services. For the rest of the patients, user charges are applicable as per the Institute's norms. The Clinic also has an in-house pharmacy to dispense free medicines to the poor patients.

The patients are registered as a couple for the management of infertility on the first visit. All subsequent follow-up consultations are scheduled with the same doctor, which ensures the continuum of care and builds-up the doctor-patient relationship. Most of the laboratory investigations are available in-house and the laboratory services form the backbone of preventive and curative aspects of health care services.

Out-patient medical records are maintained in the record room for every patient and are retrieved whenever the patients visit for further consultations. All the in-house laboratory reports get filed in the respective case record files of the patients so as to minimize the hassle of report collection by the patient. The details of the services being provided are as follows:

I. Clinical services

Morning Clinics (9.00 am - 1:00 pm):

- ☐ Antenatal Services (screening, problem identification and appropriate action including referral)
- ☐ Immunization as per National Immunization Schedule including Pulse Polio Immunization (PPI)
 - Contraceptive services
 - Management of infertile couples
 - Management of reproductive endocrinological and gynecological disorders

Afternoon Clinics (2:00 pm - 4:00 pm):

- ☐ Adolescent and Youth Clinic (10 years - 24 years of age)
- ☐ Well-Women Clinic (35 years - 60 years of age)

Specialized procedure

- ☐ Intrauterine insemination

Supportive diagnostic services

Laboratory Services

- Routine Blood and Urine Tests
- Selected Serological Tests
- Semen Analysis
- Blood Biochemistry
- Hormonal Assay
- Sperm Function Tests
- Histopathology- EB tissue, Pap smear and FNAC

Minor OT Services

- ☐ Endometrial Biopsy
- ☐ Testicular FNAC

An account of these services for the financial year 2022-23 is given below:

Services	New Cases	Follow-up cases	
Infertility	602 couples	Female	Male
		3102	1960
Reproductive Endocrinology & Gynecology	570	579	
ANC	135	232	
Adolescents	Female-30 Male-0	Female-35 Male-0	
Well-Women Clinic	19	21	
Staff General	Female-12 Male-10	Female-15 Male-6	
General	Female-100 Male-160	Female-160 Male-240	
Children (immunization only)	Female-98 Male-136	Female-244 Male-256	

Laboratory Services	
Routine Blood and Urine Tests (Hb, TLC, DLC, ESR, Urine R/E, Urine M/E)	2585
Serological Tests (VDRL, Blood Group)	1518
Semen Analysis	2164
Blood Biochemistry (Blood Sugar, LFT, KFT, GTT, Lipid Profile, GCT)	1244

Hormonal Assay (Prolactin, Insulin, LH, FSH, TSH, Testosterone, T3, T4, E2)	2192
Sperm Morphology + Sperm Viability	193
Antibody Test	71
GCM	104
Semen biochemistry (GPC, Fructose, Acid phosphatase)	68
Sperm mucus penetration test	52
IUI Sample Preparation	28
Pregnancy Test	279
Post Coital Test and Cervical Mucus	1138

Minor OT Services	
Endometrial Biopsy	60
Specialized procedure: IUI (Intrauterine Insemination)	28
FNAC	3

5146\
13

Coontraceptive services	
Oral contraceptive beneficiaries	384
Condom distribution	3170

II. COVID-19 vaccination center

Total 1486 beneficiaries availed the services at the COVID-19 vaccination center of NIHFW.

Press Unit

The reprography and printing of research, training, consultancy and administrative activities of the Institute are done by the Press Unit. The background documents (modules and blocks) for the Diploma Course in Health and Family Welfare Management, Hospital Management, Health Promotion, Health Communication, Applied Epidemiology and Public Health Nutrition through Distance Learning were reproduced during the year under review. The background and introductory documents for various training courses, survey schedules, and other forms for administrative purposes were also reproduced.

Printing and Publication Services

The Institute prints and publishes various publications every year as a part of its continuing education programme.

Some of the important publications were:-----

- ☐ Multi-colour brochures for various training programmes
- ☐ Modules /Blocks of DLC
- ☐ Annual Report of the Institute
- ☐ Annual Accounts of the Institute
- ☐ Programme Advisory Committee (PAC) Document
- ☐ Stock verification reports of all departments, NIHFW
- ☐ Jan Swasthya Dhaarna
- ☐ A Handbook for the newly recruited CHS Medical Officers
- ☐ NIHFW Newsletters
- ☐ The Journal: Health and Population-Perspective and Issues
- ☐ Training Modules of NTCP
- ☐ Health and Population: Perspectives and Issues

Official Publications-

Health and Population: Perspectives and Issues

The Institute has been publishing its ISSN-numbered multi-disciplinary quarterly Journal, *Health and Population: Perspectives and Issues* regularly since 1978. With a wide circulation both at the national as well as international-level, it includes articles of scientific and educational interest in the areas of health services, family welfare, population, hospital administration, health-economics, health-communication, population, social sciences and other allied disciplines. The Journal is indexed in IndMED, NIC, New Delhi and Google Scholar. The abstracts of papers published in the Journal are also available at the Institute's website: www.nihfw.org; while the full papers are available on MedInd, NIC, New Delhi (<http://medind.nic.in/index.html>). During the period under review all the issues of HPPI for 2022 (Vol. No. 45 (2, 3 & 4) and 2023 Vol. No. 46 (1) has been published.

Jan Swasthya Dharna:

Audio-Visual Services

Art, photographic and projection services were provided by the Institute for various activities in the year under report.

National Documentation Centre(NDC)

The library facilities available at NDC are probably one of the best in India in this field. Over a period of two decades, the NDC has developed a well-balanced and up-to-date collection of over 62000 documents including books, periodicals, technical reports, annual reports, statistical reports, conference proceedings, UN publications, modules, and non-book materials and special collection in the field of health, population and family welfare and allied areas carrying worldwide information.

The National Documentation Centre is a member of the following online services: NDC is an active member of NML-ERMED India Consortium to

provide free electronic journals access of 258 journals on http://www.nihfw.org/ERMEDConsorsium_Journals.html. The National Documentation Centre has completed following activities and is accessible through the link- <http://www.nihfw.org/WNDC.aspx>.

-
- ☐ Database of post-graduate research in MD (PSM), MD (CHA), MHA etc.
 - ☐ Union catalog of non-print material available in Health Science Libraries in Delhi.
 - ☐ Compendium of Reports/Documents in Health and Family Welfare.
 - ☐ Digitization project has completed its first phase. Most of the rare and important publications like Committee Reports, Technical Reports, HPPI journals and NIHFWS Publications etc. have been digitized.

The National Documentation Centre has also been providing following online services:

- ☐ Online Public Access Catalog (OPAC)
- ☐ e-Health news press clipping (Hindi and English)
- ☐ Health News Repositories (English and Hindi)
- ☐ Committee/ Commission report on health
- ☐ Health & family welfare abstract
- ☐ Health and Population: Perspectives and Issues Journal
- ☐ List of Edition

In addition to the above, through Web OPAC, bibliographical details of all publications/ documents are accessible at the link- <http://14.1393.63.242/>. NDC has been conducting a training course on IT Application for Information Management in Health Science Libraries since 1999. NDC is planning to set up a Public Health Libraries Consortium (P-HELICON) for the purpose of sharing and dissemination of information to the organizations and individuals involved in the field of population, Health & Family Welfare and other activities such as Digitization of Thesis/ dissertation, Installation of RFID System and to make a Cyber Lab for users.

Computer Centre Facility

The institute has provided computer and internet access to all its faculty, students, research and administrative staff through Campus Wide Area Network. The whole network is connected with five servers hosted in the

Computer Centre, connecting 400 nodes in the institute through a 1 GB bandwidth connectivity provided by National Knowledge Network (NKN). The Computer Centre is actively engaged in data analysis, programming and computer assisted learning. The Computer Centre has two computer labs for teaching/ training purposes and for the use of students. The Biometric Attendance Monitoring System has been installed in the Institute and is accessible to all the staff and students. The Institute has its own dynamic website www.nihfw.org and e-mail facilities for the officials. The Computer Centre has a state of the art video-conferencing facility that is used for e-learning and meetings. It has got a specially designed sound proof room, enterprise class Polycom Video Conferencing equipment and high bandwidth internet line. The Conferencing room can accommodate up to 20 participants.

6. Consultancy and Advisory Services

The Director and faculty members of the Institute provide advisory and consultancy services to various national, international and voluntary organizations in various capacities.

ACTIVITIES OF THE DIRECTOR, FACULTY AND OTHER OFFICIALS

MEETINGS/CONFERENCE/WORKSHOPS Attended:

Sl. No	Title of workshop / Seminar/ Meeting	Date/ Duration	Place
Prof. V.K. Tiwari			
1.	Attended the Test Moderation Workshop for Paper in the subject "Population Studies"	15 th - 16 th May, 2022	National Testing Agency (NTA), First Floor, NSICMDBP Building,
2.	Workshop on "Accelerating the progress in Health and Wellness evidence from National Family Health Survey 2019-21 (NFHS-5)	5 th - 6 th August, 2022	Hotel Ashoka, Chanakyapuri, New Delhi
3.	Meeting of the Academic Council	9.12.2022	IIPS, Mumbai
Prof. Sanjay Gupta			
4.	Attended the meeting for Stakeholder Consultation for new National Action Plan on Antimicrobial Resistance (NAP-AMR)	22.6.2022	National Center for Disease Control,
Prof. Pushpanjali Swain			
5.	Attended a meeting of the award Committee constituted by the Ministry of Statistics & Programme Implementation.	9.5.2022	Khurshid Lal Bhawan, Janpath,

6.	Attended the Two Day National Workshop on “Accelerating the progress in Health and Wellness evidence from National Family Health Survey 2019-21 (NFHS-5)	5 th – 6 th August, 2022	Hotel Ashoka Chanakyapuri, New Delhi
7.	Attended the National Pre-Surveillance Meeting in collaboration with National AIDS control Organization (NACO).	10 th – 11 th October, 2022	MoHFW
8.	Attended the “Rasta 2.0-NFHS Data Analysis Huddle”	14 th October, 2022	India Habitat Centre, New Delhi.
Prof. Nanthini Subbiah			
9.	Attended the 74 th School Board Meeting of School of Health Science (SOHS)	19 th May, 2022	Conference room, IGNOU Campus, New Delhi.
10.	Attended the National training on Managing RMNCHA program	24 – 25 & 27 th June to 1st July, 2022	Hotel Le Meridien, New Delhi
11.	Attended an Expert Committee Meeting for Integration of course materials CHOs Certificate training course to Post Basic (B.Sc. Nsg) course	14.07.2022	IGNOU, Maidan Garhi, New Delhi
Prof. Manish Chatutrvedi			
12.	Attended the Evaluate the Research Project	7 th -8 th February, 2023.	ICSSR, New Delhi
13.	Attended the Consultation Workshop on Climate-related Disasters and Health under Centre for Disaster and Health, NIDM in collaboration with NCDC.	23 rd September, 2022	Virtual mode

14.	Attended the Vigilance Awareness Week function provided an opportunity to gain valuable knowledge from the Hon'ble Prime Minister.	31 st October 2022	Vigyan Bhawan
15.	Attended the Test Development Workshop for "Social Medicine" of UGC-NET 2022" scheduled	5 th - 9 th December, 2022	National Testing Agency, Okhla Industrial Estate, New Delhi.
16.	Attended the "Raksha Mantri Award Ceremony" Defence Estates Day.	16 th December, 2022	Raksha Sampada Bhawan, Delhi Cantonment, New Delhi
17.	An Interview with Doordarshan, to promote the career opportunities in the field of Department of Medical Care and Hospital Administration, as part of NIHFW Initiative.		Doordarshan, New Delhi
18.	Convener for the Test Development for UGC NET – 2022	December Session	New Delhi
Prof. Meerambika Mahapatro			
19.	Attended Cultural Events of 19th IUAES WAu World Anthropology Congress 2023	7th to 8th May, 2022	Virtual mode.
20.	Attend Developing training modules with the team of the Centre of Cultural Resources and Training (CCRT)	17th May, 2022	Virtual mode
21.	Attended the interactive session with the Hon'ble Chairperson CCRT and Training team to Envisage Effective techniques for Integration of Art & Culture in the Training programs	21/7/2022	CCRT Conference Room, Plot No. 15A, Dwarka, Sec-7, New Delhi.

	reflecting guidelines of National Education Policy 2020		
22.	Presented a paper in the Indian Science Congress	3rd to 7th January, 2023	RTM University, Nagpur
Dr. S. Ramachandra Rao			
23.	Meeting with Officials of PHFI- Delhi IIPH- Delhi, to discuss on establishment of PGDPHM Placement Cell along with prof. V.K. Tiwari (Dean), Dr. Ramesh Chand	April 1, 2022	PHFI/IIPH- Delhi, Gurugram
24.	Attended the training on Third Party Audit (TPA) of Public organization/ Institute held at NIHFV by CIC expert, New Delhi	Sept. 9, 2022	New Delhi (offline)
Dr. Rajesh Ranjan			
29.	Attended the multi-Stakeholder Engagement for Active & Healthy Ageing among Elderly Women	21 st to 22 nd October, 2022	Park Hotel, 15 Parliament Street, New Delhi.
30.	Attended the Preparedness Assessment	5th to 9th December, 2022.	West Bengal for Measles Rubella Campaign
31.	Attended the one- day conference on “Sexuality: Let's break the silence”.	21 st February, 2023	Rufaida College of Nursing, Jamia Hamdard
32.	Attended the 3rd session of National Platform for Disaster Risk Reduction,	10th-11th March, 2023	Vigyan Bhawan, New Delhi.
Dr. Rajesh Kumar			
33.	Attended the International Conference on Kaleidoscopic Insights into Reproductive and Child Health	23rd to 25 th January, 2023	ICMR- National Institute for Research in Reproductive and Child Health

			(ICMR-NIRRH), Mumbai.
Dr. Geetanjali Singh			
34.	Attended the one day “National Maternal Health Workshop”	14th December, 2022	Hotel JW Marriott, Asset Area 4- Hospitality District Delhi,
35.	Attended the Cascade training on MR Elimination	10th January, 2023	NDMC Disaster Management Center,
36.	Attended the one day “Workshop on MR Campaign”	19th January, 2023	Disaster Management Centre,
Dr. Dharmendra Yadav			
37.	Attended the training program on “Role of Technologies in Community Level Disaster Mitigation for Scientists & Technologists” organized by Centre for Disaster Management (CDM)	25th to 29th, July, 2022	Lal Bahadur Shastri, National Academy of Administration (LBSNAA), Mussorie, Uttarakhand.
38.	Attended the “Urban Immunization Strengthening Workshop”	13.09.2022	NDMC Disaster Management Centre
39.	Attended the Workshop on “Sample Size and Power Analysis Medical Research”	22nd to 24th September, 2022	National Institute of Mental Health & Neuro Sciences, Bengaluru
Dr. Sarita Gautam			
40.	Attended an International Symposium on “Recent Advance in Research on Healthy Ageing and Further Challenges”	5th to 7th November, 2022	Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi, through online mode.

41.	Attended an online Induction Training Program Online mode.	21.11.2022 to 20.12.2022	Organized by Rumanian College, Delhi University through
Dr. Monika Saini			
42.	Attended the Evaluation of Descriptive Type Answer Scripts of the J&K Combined Competitive (Mains) Examination- 2021. Appointment as Evaluator	3rd to 4th October, 2022	Jammu and Kashmir Public Service Commission,
Dr. Ravinder Kumar			
43.	Attended the “Urban Immunization Strengthening Workshop”	13.09.2022	NDMC Disaster Management Centre,
Dr. Vandana Bhattacharya			
44.	Attended the Seminar on ‘Transforming Primary Healthcare in India through AB-HWCs’ India Health care Industry facilitating smart HWCs	14.07.2022	FICCI, New Delhi.
45.	Attended of Dissemination of the Report of the Lancet Global Health commission on financing primary health care	17th February, 2023	India Habitat Centre, New Delhi
46.	Attended the multi-Stakeholder Engagement for Active & Healthy Ageing among Elderly Women	21 st to 22 nd October, 2022	Park Hotel, 15 Parliament Street, New Delhi.
Dr. A. M Elizabeth			
47.	Attended the MultiStakeholder Engagement for Active & Healthy Ageing among Elderly Women	21 st to 22 nd October, 2022	Park Hotel, 15 Parliament Street, New Delhi.

48.	Attended of Dissemination of the Report of the Lancet Global Health commission on financing primary health care	17th February, 2023	India Habitat Centre, New Delhi
Dr. Sherin Raj T.P			
49.	Attended the National workshop for National Data Analysis Plan (NDAPIII) launch workshop organized by NACO.	04/03/2023	Delhi NCR (TBC).
Ms. Kavita			
50.	Attended the Cascade training on MR Elimination	12/01/2023	NDMC Disaster Management
Ms. Neha Pathania			
51.	Attended the Cascade training on MR Elimination	12/01/2023	NDMC Disaster Management Center
Dr. Vikram Singh			
52.	Attended the Hands-on Workshop for a handling and Care of Laboratory animals	14th to 17th November, 2022	JNU, New Delhi

Activities undertaken as an Expert

S.No.	Title of workshop / Seminar / Meeting	Date / Duration	Place
Prof. V.K.Tiwari			
1.	Technical Advisor to assist the Selection committee to conduct Walk-in-interview for faculty post i.e. Assistant Professor of Biostatistics on contractual basis	2nd May 2022	AIIMS, New Delhi
2.	External Examiner for M.Sc. Clinical Research	12 th May, 2022	SAHS, Sharda University, Greater Noida,
3.	Attended the Interview Panel as External Expert for the position of Senior Consultant- RCH-PIP, MoH&FW	27 th May, 2022	NHSRC, New Delhi on virtual mode
4.	Expert Group meeting on PG Diploma Population and Family Health Studies	2nd - 3rd, June, 2022	(IGNOU), New Delhi
5.	External examiner for evaluation of dissertation of M.Phil. / M.Tech.	16 June 2022	JNU, New Delhi
6.	Chairman of the examination of Open Defence of the Ph.D. Candidate	15 th October, 2022	University of Kerala, Kariavattom Thiruvananthapuram
7.	Convener of the panel and item writer for test development and paper setting for the subject	5th - 9th	National Testing Agency (NTA) Premises, Okhla, New Delhi.

	“Population Studies” of UGC-NET, 2022	December 2022	
Prof. Sanjay Gupta			
8.	One of the members of the Technical Advisory Group (TAG) for AI Solutions – AI-based anthropometry solution for height and weight estimation of children (age 6 months-6 years) - Under 6 years Anthropometry using AI, in partnership with Children'sInvestment Fund Foundation (CIFF).		
Prof. Pushpanjali Swain			
9.	Attended as External Examiner for Ph.D. Viva-Voce at Department of Statistics,	13 th May, 2022	University of Jammu
10.	Expert in the Selection Committee	26th August, 2022	Central University of Tamil Nadu, Thiruvavur.
Prof. Nanthini Subbiah			
12.	Conduct of MPH 3rd Semester Practical Examination June 2022 in the subject of Public Health Nutrition	20th June, 2022	SGT University, Gurugram
13.	Attended the Public Viva-Voce Examination for Ph.D. (Nursing) candidates	11.07.2022	Dr. MGR University, Chennai on Virtual mode
14.	Attended the Viva voce of Yumnam Surbaia Devi, Ph.D. scholar in Nursing	2nd February, 2023	SOHS/ IGNOU Campus, New Delhi.
15.	Attended the Viva voce of Mr. Vikas Bhaskar, Ph.D. scholar in Nursing	10th March, 2023	SOHS/ IGNOU Campus, New Delhi.
Prof. Manish Chaturvedi			
16.	Attended the Interview Panel for ZonalAEFI Senior Consultant-RCH Division, MoHF&FW Webinar mode.	10 th August, 2022	10 th August, 2022

17.	Attended the Interview Panel for Senior Consultant-Bureau of Planning, MoH&FW	21st October 2022	National Health SystemsResource Centre(NHSRC), New Delhi
18.	Attended the Interview Panel as an External Expert for the position of Consultant- Public Health Policy & Planning (PHP&P)	22nd December, 2022	National Health Systems Resource Centre (NHSRC)
19.	Nominated for deployment as a part of Research study – impact assessment of CSS SOFTEL of FSSAI,	2022-23	Kerala, Goa and Lucknow
Prof. Meerambika Mahapatro			
20.	Attended 56 th meeting of the General Body of the Council for Social Development	16th December, 2022	Private Dining Hall, IIC Main, New Delhi
Dr. S. Ramachandra Rao			
21.	Member of the Third party/ Transparency Audit on Suo Motu assessment of various MOHFWorganizations-CIP-Ranchi, LTRI-Chengalpattu, FSSAI, NITRD-Delhi	September & October 2022	NIHFW, New Delhi
22.	As an expert 15 th Common Review Mission assessment of Thrissur District, Kerala	November 5-11, 2022	Thrissur, Thiruvananthapuram, Kerala
Dr. Dharmendra Kumar Yadav			
23.	Joining the research team of a WHO funded research project on Expert Elicitation for attribution of the burden of disease to foodborne transmission and specific foods initiated by WHO		M.S. University of Baroda, Vadora, Gujrat
24.	Air-borne Infection Control (AIC) Assessment for Team member of Central TB division	5th -7th January, 2023	Shillong (Meghalaya)

25.	Air-borne Infection Control (AIC) Assessment for Team member of Central TB division	31 January to 2 February 2023	Rohtak (Haryana)
Dr. Sarita Gautam			
26.	Subject expert for setting up a question paper for entrance examination of PH.D admission, 2022 in Sociology		C.S.J.M. University, Kanpur, Uttar Pradesh

Chaired / Presided Session/Function

S.No.	Title of workshop / Seminar/ Meeting	Date / Duration	Place
Prof. V.K.Tiwari			
1.	Chaired a parallel session at the 43rd Annual Conference of the IASP to be held on 1st to 3rd December, 2022	01/12/2022	Population Research Center, MohanLal Sukhadia University Udaipur Rajasthan
Prof. Sanjay Gupta			
2.	Chaired of IRB meeting	09.12.2022	IIHMR University, Jaipur, Rajasthan
Prof. Nanthini Subbiah			
3.	Chief Guest for the inaugural function of 'Infection Prevention and Control' (Online mode)	29th April, 2022	Organized by Manipur Nursing Council, Lamphel
Prof. Meerambika Mahapatro			
4.	Chaired a session at the National CME on Interdisciplinary Dialogues around Psychiatry	4 th september 2022	AIIMS, New Delhi

Sessions taken as a Guest Faculty

Sl. No.	Title of workshop / Seminar/ Meeting	Date / Duration	Place
Prof. V.K.Tiwari			
1.	Resource person for the topic of Data Collection methods in Mixed Methods Research	29th Sept.2022	Central Health Education Bureau, New Delhi
2.	Delivered training lecture for international participants under institute's training programme "Digital Government in Health."	9th December, 2022	National Institute of Labour Economics Research & Development
Prof. Manish Chaturvedi			
3	Resource person in the National Level Training course on PublicHealth Management for topic: HealthHazards control and safety management	2nd December 2022	AIIMS Bhopal
4.	Resource person on Disaster & Mass Casualty Triage	21st February, 2023	Directorate General of Health Services
5	Served as a member of Advisory Committee at the board of Centre for Disaster Management Manipal Academy of Higher Education, Manipal		
6	Resource person for Contact Program-I, PGDMs – Hospital management at SIHFW	February 12th and ending on February 14th	Contact Program-I, PGDMs – Hospital management at SIHFW, Bangaluru

Prof. Nanthini Subbiah			
7	Resource person for Nursing personnel's on "Nursing Management Techniques for better patient care outcome"	13 th September, 2022	CNE, Department of Lady Hardinges Medical College,
Prof. Meerambika Mahapatro			
8	Delivered a lecture on 'Social disparities and gender differentials in access to Health care facilities' virtual mode	13th May, 2022	International Centre for Environment Audit and Sustainable Development (iCED) Jaipur,
9	Delivered a lecture on Gender Sensitization in Education, wider perspective in school teaching	22.06.2022	CCRT, New Delhi.
10.	Delivered a lecture on Mixed Methods Research in Public Health	7th to 8th July, 2022	Central Health Education Bureau(CHEB), New Delhi
11.	Delivered a lecture on International Men and Families Conference , Virtual mode	15th-16th September , 2022	University of Guelph, Canada
12.	Delivered a lecture on 'Prevention of Sexual harassment at Workplace (POSH)	14th October, 2022	AIIMS Raipur, Chhattisgarh

13.	Delivered a lecture in one day workshop on “Qualitative Research”	20th December, 2022	Centre for Dental Education and Research at AIIMS, New Delhi.
Dr. S. Ramachandra Rao, Reader, Department of RBM			
14.	Biomedical Waste Management (BMW) Guidelines-2016 and amendments 2018 and 2019 and BMW disposal	November 1 2022	IIPH, Gurugram, Haryana.
15.	Resource person for “Risk Management and Health Communication” for mid-level and Senior healthcare Professionals for the Management Development Program (MDP) in "Healthcare Quality Management and Safety (HQMS)”	January 21-25, 2023	TISS, Mumbai
Dr. Dharmendra Kumar Yadav			
17.	Delivered a session related to Project work (Research work)	17th September 2022	National Statistical System Training Academy (NSSTA), Greater Noida.
Dr. Monika Saini			
18.	Delivered a session on “Climate Change & SDGs”	07th April, 2022.	College of Nursing, AIIMS Jodhpur on Virtual mode

Dr. Vandana Bhattacharya			
19.	Delivered orientation session on “Health Systems Management and Public Health”	September 19th, 2022	School of Social work, Jamia, New Delhi
Ms. Vaishali Jaiswal			
20.	Took sessions for the PGDPHM students at IIPH Delhi “Environmental Pollution and its impact & Water supply and sanitation”	2nd & 3rd November, 2022	IIPH, Gurugram, Haryana.

Activities as Team leader

Dr. Pushpanjali Swain			
1.	Supervisory visit of 18th round of HIV Sentinel Surveillance for Supervision and Monitoring of HSS Plus 2023	6th to 10th February, 2023	State of Andhra Pradesh
Dr. S. Ramachandra Rao			
2.	Led a 15 th CRM team to Thrissur District, Kerala	November 5-11, 2022	Thrissur District, Kerala

7. Administrative Measures

During the year under review, several administrative procedures for finalizing the matters relating to retirement, pension, promotion/appointments, etc. were streamlined in the Institute.

Governing Body (GB)

The major responsibility for management of the Institute's affairs has been entrusted with the Governing Body, constituted under the Chairmanship of the Hon'ble Union Minister for Health and Family Welfare. Policy decisions are taken in the meeting to improve the functioning of the Institute.

Standing Finance Committee (SFC)

The SFC is an important committee which provides guidance in the matters of financial management of the Institute. The 65th Meeting of the Standing Finance Committee of NIHFW was held on 16th June, 2022, 66th Meeting of the Standing Finance Committee of NIHFW was held on 17th November, 2022 and 67th Meeting of the Standing Finance Committee of NIHFW was held on 10th March, 2023 under the chairmanship of Shri Rajesh Bhushan, Secretary, Health and Family Welfare, MoHFW.

Programme Advisory Committee(PAC)

The committee includes representatives of different disciplines, drawn from the Central and State levels and Central Training Institutes, either directly or indirectly involved in the promotion of health and family welfare programmes in the country. The committee normally meets at least twice a year to review the activities of the Institute to provide guidance in academic

activities. This year the mid-term PAC was held on 7th October, 2022 and the regular PAC Meeting was held on 16 March 2023.

The PAC reviewed all the training and research activities as well as the current status of the on-going studies. All the faculty members, Medical Officers and Research Officers attended the meeting.

Functioning of E- Office

The E- office is successfully implemented after providing related training to the employees of each level of hierarchy at the Institute.

8. Use of Hindi in Official Work

An Official Language Implementation Committee is functioning in the Institute under the Chairmanship of Director, NIHFV to monitor the progress of the implementation of Official Language Policy at NIHFV. During the period under report, (i.e. from 1 April, 2022 to 31 March, 2023) Committee held all its quarterly meetings regularly.

The present composition of the Official Language Implementation Committee is given below. Composition of the Official Language Implementation Committee (i.e. As on 31 March, 2023)--

SN.	composition of the Official Language Implementation Committee	Positions
1	Ms. Nidhi Kesarwani, IAS, Director (Additional Charge)	Chairperson
2	Dr. V. K. Tiwari, Dean & Professor, Deptt. of Planning & Evaluation	Vice-Chairman
3	Deputy Director (Admn.)	Member
4	Dr. (Mrs.) Pushpanjali Swain, Head & Professor, Deptt. of S & D	Member
5	Dr. Manish Chaturvedi, Professor, Deptt. of MCHA	Member
6	Dr. Ankur Yadav, Actg. Head, Deptt. of Communication & F/I Hindi Cell	Member
7	Dr. Geetanjali, Sr. Medical Officer, Deptt. of R.B.M.	Member
8	Shri Gaurav Sharma, Dy. Director (Tech.), C.H.I	Member
9	In-charge, (Admn. I)	Member
10	In-charge, (Admn. II)	Member
11	Section Officer (Academic)	Member
12	Workshop and Maintenance Officer	Member
13	Accounts Officer	Member
14	In-charge, Computer Centre	Member

15	In-charge, (Stores)	Member
16	Dr. Ganesh Shankar Srivastava, In-charge, Hindi Cell	Member Secretary

A brief of the progress regarding implementation of Official Language Policy during the period under report is given as follows:

Use of Hindi in correspondence

During the period under report (including Emails and fax messages) 85.01% letters meant for region “A”, 78.84% for region “B” and 76.48% letters for region “C” respectively were issued in Hindi against the fixed target of 100% for “A” & “B” regions & 65% for region “C”. Cent percent General Orders were issued bilingually during the said period (i.e. from April, 2022 to March., 2023). Similarly, all the letters received in Hindi were replied to in Hindi. Apart from day-to-day translation work in Hindi, many specific translation work was also accomplished including annual report and annual accounts 2022-23, proformas, survey schedules, material pertaining to certificates, banners, and advertisements from various departments.

Hindi Teaching Scheme

Status of training of Staff under Hindi Teaching Scheme in Hindi Stenography and Hindi Typewriting

- ☐ All 5 Stenographers (on regular strength of the Institute) have already been trained in Hindi Stenography.
- ☐ All the 151 eligible staff members of the Institute have attained working knowledge in Hindi, Out of which 83 staff members have proficiency in Hindi and the remaining 68 have acquired the working knowledge in Hindi.

Incentive scheme for progressive use of Hindi in the official work

-
- During the period under report, 6 employees of the Institute have participated in the aforesaid Incentive Scheme. For the financial year 2022-23, their work was evaluated by a sub-committee constituted with the approval of the Director, NIHFW.

Hindi Fortnight

Hindi fortnight was celebrated in the Institute during 14-29 September, 2022 under which the following activities were organized:

1. On 20th Sept., 2022 Hindi Essay Competition for the staff of the Institute.
2. On 19th Sept., 2022 Hindi Noting and Drafting competition
3. On 22th Sept., 2022 Hindi Elocution.
4. On 23th Sept, 2022, Hindi Shrutlekhan (Dictation) competition for M.T.S group staff of the Institute.
5. On 26th Sept., 2021 Hindi Quiz.

Institute Organised 'Hindi Diwas' on 29th September, 2022. Prof. Renu Shahrawat, HOD RBM, NIHFW chaired the function. On this occasion Dr. Anuj Kumar, Joint Director, Rajya Sabha Secretariat presided over the occasion as Chief Guest. He addressed the audience and informed them regarding the importance of use in Hindi in our day-to-day work. The names of the winners' of the various events organized during the pakhwara i.e. 14th -29th September, 2022 were also announced. Smt. Kalpana Mishra proposed a vote of thanks. Shri Prem Pal anchored the programme.

Release of Jan Swasthya Dharana

During the period under reporting, on 9th March, 2023 on the occasion of Annual Day celebration of the Institute, 28th issue of Jan Swasthya Dharana, a Hindi peer reviewed magazine of the institute was released by the Hon'ble Chief Guest Dr. V.K. Paul, member, Niti Ayog and Guest of Honor Shri Rajesh Bhushan, Secretary, Ministry of Health and Family Welfare, Government of India.

9. Events Celebrated at the Institute

Celebration of 46th Annual Day

The Institute celebrated its 46th Annual Day on 9th March 2022 in the Laws of the NIHFWS. The Chief Guest on the occasion was Dr. Vinod Paul, Member, NITI Ayog and Shri Rajesh Bhushan, Secretary, Ministry of Health and Family Welfare, Government of India was the Guest of Honour. All faculty and staff members of the NIHFWS participated in the Event.



Ms. Nidhi Kesarwani, Director (Additional Charge), NIHFWS, presented the key achievements of the Institute of the preceding year and highlighted some of the activities to be undertaken in the future by the Institute. Prizes were bestowed upon meritorious students of M.D (Community Health Administration), PGDPHM and PG Diploma courses through distance learning and the best workers of the institute in various categories.

In his address, Shri Rajesh Bhushan, Secretary, Ministry of Health and Family Welfare, Government of India gave his views regarding the future directions for the NIHFWS in the field of research and training. He appreciated the various activities undertaken by the NIHFWS on various fronts.

Dr. Vinod Paul, Member, NITI Ayog hoped that the Institute would strive to further expand the activities in the areas of training, research and education

through networking with national and international organizations. At the end, a vote of thanks was offered by Prof. V. K. Tiwari, Dean, NIHFW.

Showcasing an exhibition of various activities throughout the year was featured for the Guests from National and International organizations, alumni and retired Faculty and staff of the Institute. The Guests also visited the NCCVMRC, Clinic, Skill Lab and the International Hostel.

Independence Day celebration

Independence Day celebrations were observed on August 15, 2021 at the National Institute of Health and Family Welfare. On this occasion, Ms. Nidhi Kesarwani, Director (Additional Charge), NIHFW of the institute hoisted the flag and addressed the attendees. Various senior officers of NIHFW addressed the gathering after the recitation of the National Anthem. A concert was also performed by the children of the staff members of the institute.

World Population Day – 2022

The world population day 2022 was observed and celebrated at the National Institute of Health and Family Welfare on 11th July, 2022 at 3.30 P.M. in the auditorium, teaching block. The MD (CHA) and DHA 1st year students took part in organizing the event and led to the successful observation of the day. The event was hosted by Dr. Tara Kumari, MD (CHA) resident and kept the audience entertained with interesting facts about Population. The function was organized by the Department of Statistics & Demography with the help of first year MD (CHA)/DHA students. Dr. Tara Kumari started by welcoming all the faculty members, consultants, students & all the staff and gave a brief overview about the world population day. This was followed by an introduction about World Population Day by Dr. D. K. Yadav, Assistant Professor of Department of Statistics & Demography. An interactive quiz competition was conducted during the event.

A skit was played focusing on different messages related to family planning and population control presented by MD (CHA)/DHA 1st year students. This was followed by prize distribution to all the winners of the quiz competition and to participants of the programme. The event came to an end with the

vote of thanks given by Dr. Raj Narayan, ARO. He extended her gratitude to the Director, Dean of studies, faculty members, research & non-teaching staff and the students who participated in this event.

Vigilance Awareness Week – 2022

Vigilance Awareness Week was observed at the National Institute of Health and Family Welfare (NIHFW), New Delhi with full enthusiasm and spirit by all the students/staff members/ employees during 31st October to 6th November, 2022. The theme for this year was "Corruption free India for a developed Nation".

The pledge taking ceremony was held at 11.00 A.M. on 26th October, 2022. Dean Prof. V.K. Tiwari and Prof. Manish Chaturvedi administered the oath to all who attended the event. During the week (31st October to 6th November, 2022) various activities were organized such as: –

- ☐ Oath ceremony on 31.10.2022 to all staff of NIHFW at 11.00 am.
- ☐ Slogan competition for employees, students and their family members on 31.10.2022 at 11.30 am.
- ☐ Poster competition for employees, students and their family members on 1.11.2022 at 11.00 am.
- ☐ Written quiz competition for employees and students on 2.11.2022 at 11.00 am.
- ☐ Slogan dissemination through rangoli competition on 3.11.2022.
- ☐ Dissemination of vigilance messages across the institution.
- ☐ Guest lecture and prize distribution on 4.11.2022 at 2.30 pm.



Organization of various events during the Vigilance Awareness Week

The closing ceremony of Vigilance Awareness Week was organized on 4th Nov. 2022 at 3 pm. Dr Manish Chaturvedi, Vigilance Officer gave a welcome address and briefing about the events organized during Vigilance Awareness Week. Shri Shailendra Singh, Chief Technical Examiner, CVC was our honorable chief guest. He delivered a Guest Lecture on “Preventive Vigilance Measures” which was very informative and followed by an interactive session with the audience. He shared his expertise in vigilance, legal and establishment matters with the audience. He explained about the basic meaning of ‘Vigilance’; Vigilance rules and preventive measures recommended by Santhanam Committee.



Poster competition for employees, students and their family members on 1.11.2022 at the NIHFV

19th Veda Prakasha Memorial Oration:

The nineteenth Veda Prakasha Memorial Oration was given on 23 January, 2023 at 3.00 PM by Prof. (Dr.) Atul Goel, DGHS, MoHFW, New Delhi on the topic **"Population Health – A Technical Perspective "**. All faculty and staff members of NIHFW participated and this was also participated by eminent public health persons and development partners. The programme was telecasted online (live streaming) and offline.

Republic Day Celebration

Republic day was celebrated on 26 January, 2023. Ms. Nidhi Kesarwani, IAS, Director (Additional Charge) of the NIHFW unfurled the National Flag and greeted the staff. He addressed the gathering and urged everyone to carry out the responsibilities towards the nation.



The faculty, research staff and administrative staff and outsourced staff attended the programme. Cultural programme was organized by the staff and their children.

Yog Diwas

On the eve of Yoga Diwas the staff, students and Family members of the residents of the Institute celebrated the event by organizing a community yoga session on 21st June ,2022 at 6.30 A.M. in the lawns of the NIHFW. The session was to inculcate the habit of Yoga as a lifestyle .

PP Talwar Oration

In the series of P.P.Talwar oration the second edition of Lecture was organized on April 26th, 2023 in the auditorium of NIHFWS at 4.00PM.



The Lecture was delivered by Dr. Vinod K.Paul, Hon'ble Member (Health), NITI Aayog, titled 'The India Covid-19 Vaccination Story' Atma- Nirbharta. Aatmvishwas .

10. Publications

Following is the List of Articles/Research Papers Published by the Faculty, Research Staff in Various Journals during the Year 2022-23

Andlib N, Sajad M, Kumar R, Thakur SC. (2023). Abnormalities in sex hormones and sexual dysfunction in males with diabetes mellitus: A mechanistic insight, *Acta Histochemica* 125: 151974. <https://doi.org/10.1016/j.acthis.2022.151974>

Devi S., Narayan R., Singh M.N. and Ojha D.K. (2022). Determinant of Rural-Urban Differentials of Measles Vaccination in India: A Cross Sectional Study. *The Social Ion*, 10 (2), 189-200.

Dhar N and Yadav A (2023). Spiritual Health - The 4th Dimension of Health. *International Journal of Science and Research*, 12 (3): 1589-1592.

Jaiswal V, Meshram V & Meshram PU (2022): Swot Analysis of Clean Fuel Programme Initiative in India. *International Journal of Researches in Biosciences, Agriculture and Technology*, 10 (2): 316-323.

Kavitha M.G. Ramachandra Rao S, Visanth VS. Biomedical Waste Management pre and post Covid-19 Pandemic, *RFP Indian Journal of Hospital Infection*, 2023, Vol. 5(1), January-June 2023, pp. 9-15.

Kathuria B & Raj Sherin TP (2022). Factors Explaining Regional Variations in Menstrual Hygiene Practices among Young Women in India: Evidence from NFHS-4. *Journal of Social Health*, Vol.5 (1): 35-48.

Kathuria B & Raj Sherin TP (2022). Bhaarat Mein Saamaajik Roop Se Pichhade Raajyon Mein Yuva Mahilaon Ke Beech Maasik Dharm Svachchhata Abhyaas. *Jan Swaasthy Dharna*, 27: 9-12.

Kathuria B & Raj Sherin TP (2022): Regional Disparities in Dual Burden of Malnutrition among Rural Men in India: Evidence from National Family Health Survey. *International Journal of Nutrition Sciences* ;7(2):100-107. doi: 10.30476/IJNS.2022.94533.1179.

Mahapatro M, et al. (2022). Domestic Violence during pregnancy as risk factors for stress and depression: The experience of women attending ANC in India. *Women and Health*. Feb;62(2):124-134.

Mahapatro M, et al. (2022). Domestic violence and Covid-19: Policy and Pattern analysis of reported cases at the family counseling center (FCC) in Alwar, India. *Sexuality Research and Social Policy*. <https://doi.org/10.1007/s13178-022-00782-z>

Mahapatro M, et al. (2022). Impact of COVID-19 on abused pregnant and lactating women receiving reproductive and child health services at tertiary care hospital, New Delhi, India. *The Journal of Reproductive Healthcare and Medicine*. 3:27681114

Meena R & Rangari K (2022). Does COVID 19 has any Adverse Impact on Male Fertility? A Systematic Review. *Journal of Global Biosciences*. 11(6):9327-9346.

Meena R & Bharti S. Effect of Anti-estrogen and Anti-progesterone on Spermatogenesis, Testosterone production and expression of steroidogenic enzyme genes in Adult Male Rats. *Journal of Reproductive Biology*.

Nayar D, Mahapatro M, Nayar P. (2022). Role of Yoga as an Adjunct in the Management of Migraine Headache-Current Status and Future Indications. *International Journal of Yoga*, 15 (1):12-18

Narayan R., Kumar Manoj, A et al. (2022). Rural-Urban Differential of Contraceptive Knowledge among Unmarried Women in India. *Empirical Economics Letters*, 21 (9), 88-95.

Pandey VV, S.K. Singh, Raj Narayan (2022). Childhood diarrhea and treatment seeking behavior in India: An Application of Morkov-Chain Statistical model in Child health, Gender and Survival Research, MKSES Publisher Lucknow India, 125-148.

Raj Narayan, Archana Prajapati, Savita Devi, M.N. Singh, Anjali Sexena, Anil Chandran S. (2022) Determinant of Child Immunization in India: A Multilevel Analysis Population Dynamics and Health Issues in India, Mount Hill Publishing Company, New Delhi, 166-182.

Raj Sherin TP & Kathuria B (2022): How Tamil Nadu Is Performing Better in Menstrual Hygiene Management in India: Evidence from National Family

Health Survey (NFHS-4). International Journal of Human and Health Sciences Vol. 06. No. 04. October 2022 Page :404-411. DOI: <http://dx.doi.org/10.31344/ijhhs.v6i4.480>

Singh K, Narayan R, Raj Sherin (2022), Zero hunger Vs Malnutrition: Double edged sword ground reality based on National Family Health Survey-V India. Health Sciences Journal, 1(1), 34-42.

Subbiah N, Aggarwal P & Kathuria B. (2022). Effect of COVID-19 pandemic on formal education of primary school children (6-11 years) studying in selected Municipal Corporation primary schools of East Delhi, India. The Nursing Journal of India; CXIII (2): 88-92.

Singh N and Tiwari VK. (2022). Achievement of National Tuberculosis Elimination Programme by Various States in India: The Way Forward, Health and Population: Perspectives and Issues, 45 (4): 211-217.

Sajad M, Kumar R, Thakur SC (2022). History in Perspective: The prime pathological players and role of phytochemicals in Alzheimer's disease, IBRO Neuroscience Reports, 12: 377-389. <https://doi.org/10.1016/j.ibneur.2022.04.009>

Singh N and Tiwari VK. (2022) Achievement of National Tuberculosis Elimination Programme by Various States in India: The Way Forward, Health and Population: Perspectives and Issues 45(4): 212-219.

Tiwari VK, Balasundaram P, Raj Sherin TP (2022). Knowledge, Awareness and Health Seeking Behaviour among Hepatitis Patients Attending a Tertiary Care Hospital in Delhi” Indian Journal of Preventive and Social Medicine. Vol. 53 (1): 20-29.

Tiwari VK, Balsundaram P, Raj Sherin TP (2022). Knowledge, awareness, and risk prevention among hepatitis patients attending a tertiary care hospital in Delhi. Indian J Community Fam Med, 8:93-8.

Thakur, K., Yadav, D.K., Narayan, R., Adichwalb, N.K. (2022). Prevalence and Determinants of Non-Communicable Disease among Reproductive Aged Women in India, Asian Journal of Statistical Sciences.

Vandana & Raj Sherin TP (2022): Pradhan Mantri Jan Aarogya Yojana (PMJAY): The Step towards Amelioration of Health, Health and Population: Perspectives and Issues, 45 (1): 51-58.

Yadav A, Saharan A & Taneja P (2022). Oral Hygiene Knowledge and Practices among Antenatal Women of Community Health Centre, Badkhalsa, Sonipat District, Haryana. Journal of Oral Health and Community Dentistry, 16 (1): 1-4.

Yadav A. (2023). Swaasthy Sanchaar Aur Usake Prayojanamoolak Pahaloo. Jan Swasthya Dharna, 28: 10-14.

Yadav D.K., Sharma D.K., Yadav S.K. (2022). A New Generalised Median - Based Estimator of the Finite Population Mean, International Journal of Operations Research, 43 (4), pp-498-511.

Chapters in Edited Books/ /Modules/Units (2020-21).

Bhattacharya V. (2022) “Demographic and Epidemiological Transition” course material for MME-104, Vol.1 of Post Graduate Diploma in Geriatrics Medicine programme by School of Health Sciences, IGNOU, ISBN:978-93-5568-294-9.

Bhattacharya V. (2022). Unit-1, entitled “Substance Abuse” course three-Social Groups and Family Health of new upcoming ‘Post Graduate Diploma in Population and Family Health Studies’ programme by School of Extension and Development Studies, IGNOU.

35. 36. **Gupta A., Yadav D.K., Sharma M., Singh N. (2022).** Applications of Statistics in Nursing Research (pp 1-10) in the edited book Statistical Techniques for Interdisciplinary Research, MKSES Publication, India, ISBN: 978-93-91248-57-4.

37. **Garg H., Suresh H., Goel M., Yadav D.K. (2022).** Numbers from the Glass Ceiling-A Statistical Insight on Gendered Life (pp- 87-96) in the edited book Statistical Techniques for Interdisciplinary Research, MKSES Publication, India, ISBN: 978-9391248-57-4.

Raj Sherin TP, Tiwari VK & Gandotra R, Life style changes among AYUSH Treatment Seeking Patients at Life Style Diseases Clinic from Selected States in India, Edited Book Population Dynamics and Health Issues in India,

Mount Hill Publishing Company. Chapter 9, Pp.152-165, July 2022. ISBN:978-93-85623-83-7.

32. Shukla S.K, Mishra P., Yadav D.K. (2022). Advance Research in Mathematical, Statistical and Computational Sciences, MKSES Publication, India, ISBN: 978-9391248-48-2

Singh A., Yadav N., Yadav D.K (2022). An Endowment of Statistics to e-Health services: An Advance Approach (PP 27-34) in the edited book Statistical Techniques for Interdisciplinary Research, MKSES Publication, India, ISBN: 978-93-91248-57-4

33. Yadav D.K., Raghuvanshi K.K, Miyan M., Singh R. (2022). Interdisciplinary Research in Mathematical, Statistical and Computational Sciences, MKSES Publication, India.

34. Yadav D.K. and Mazumder M.D. (2022). Statistical Techniques for Interdisciplinary Research, MKSES Publication, India, ISBN:978-93-91248-57-4

11. Appointments, Promotions And Superannuations

New Appointments in the Institute:-

S.No	Name of the appointee	Date of Joining
1.	Sh. Neeraj Yadav, STA (Doc.)	08.9.2022
2.	Sh. Puneet Kr. Pandey, Librarian	13.9.2022
3.	Dr. Sneha Mishra, Research Officer	01.12.2022
4.	Ms. Sonia, Astt. Store Keeper	15.12.2022
5.	Sh. Parvesh Kumar, Feeder	15.12.2022
6.	Sh. Vikram Singh, Lab attendant	15.12.2022
7.	Sh. Jony Kumar, Animal Attendant	16.12.2022
8.	Sh. Abhishek Singh, Pharmacist	16.12.2022
9.	Sh. Sourabh Jaryal, Receptionist	20.12.2022
10.	Sh. Krishan, Accountant	04.1.2023
11.	Sh. Som dutt, Accountant	09.1.2023

Promotions in various Sections/Departments:-

S.No	Name of the staff promoted	Date of Joining
1.	Sh. Jagdish Gupta, Steno Grade-I	6.12.2022
2.	Sh. Ashok Kumar, Steno Grade-I	6.12.2022
3.	Smt. Kiran Lata, Nursing Sister	6.12.2022

4.	Sh. V.S. Rawat, UDC	13.12.2022
5.	Sh. Saju C. Varghese, UDC	13.12.2022
6.	Smt. Meena Kumari, UDC	13.12.2022
7.	Sh. Mukesh Kaushik, UDC	13.12.2022
8.	Smt. Aruna Kumari, UDC	13.12.2022
9.	Sh. Umed Singh, UDC	13.12.2022
10.	Sh. Rajendra Rohila, UDC	13.12.2022
11.	Sh. Shailesh Kumar, UDC	13.12.2022
12.	Sh. Rajesh Yadav, UDC	13.12.2022
13.	Sh. Ram Khillari, Driver Grade-I	13.12.2022
14.	Sh. Manjoor Ahmed, Driver Grade-I	13.12.2022
15.	Sh. Parmal, Driver Grade-I	13.12.2022
16.	Sh. Niranjana Kumar, Driver (Special Grade)	13.12.2022
17.	Sh. Baij Nath, Cook	12.1.2023
18.	Sh. Shyam Pal, Cook	12.1.2023
19.	Sh. Sher Singh, Reprographic Astd.	12.1.2023
20.	Sh. Jabardeen, Xerox Operator	14.2.2023
21.	Sh. Subhash Chand, Research Officer	23.2.2023
22.	Sh. Lakhan L. Meena, Research Officer	23.2.2023
23.	Dr. Rekha Meena, Research Officer	23.2.2023

MACP/Financial Upgradation of the Research & Secretarial Staff

1. Dr. J.P. Shivdasani, Research Officer
2. Sh. Subhash Chand, Assistant Research Officer
3. Dr. S.P. Singh, Assistant Research Officer
4. Smt. Kavita, Staff Nurse
5. Sh. S.K. Gayen, Cameraman-cum-Micro-filming
6. Sh. Krishan, Assistant
7. Sh. Dharmendra Upadhyaya, Projectionist
8. Sh. Jabardeen, Book Binder
9. Sh. Shyam Pal, Assistant Cook
10. Sh. Mohinder Singh, Room Attendant
11. Sh. Naresh Kumar, Room Attendant
12. Sh. Prem, MTS
13. Sh. Azad Kumar, Room Attendant
14. Sh. Jagannath, MTS

Retirements/Resignations

S.No	Name of the staff Retired/Resigned	Date of Joining
1.	Sh. Silvester Xaxa, Sr. Library Attendant	31.05.2022
2.	Sh. Amar Singh Pawar, MTS	31.05.2022
3.	Shri R.N. Nimoria, Assistant	30.06.2022
4.	Sh. Ambi Ram, MTS	30.6.2022
5.	Smt. Kusum Lata Kohli, U.D.C.	31.7.2022
6.	Sh. Mange Ram, MTS (L.D.C. - Ad-hoc)	31.7.2022
7.	Smt. Maheshwari Patwal, U.D.C.	31.10.2022
8.	Sh. Puneet Devgan, LDC - resigned	2.11.2022
9.	Sh. Jagdish Chander, MTS	30.11.2022
10.	Sh. Naresh Kumar, MTS	31.12.2022
11.	Shri S.C. Rana, Assistant	31.12.2022
12.	Smt. Shashi Dhiman, Sr. Artist	31.12.2022
13.	Shri Salek Chand, S.D.O.	31.1.2023
14.	Sh. Narender Singh, MTS	28.2.2023
15.	Sh. Jagannath, MTS	28.2.2023
16.	Sh. Kailash Prasad, MTS	28.2.2023
17.	Sh. Ashutosh, Assistant Librarian resigned	28.10.2022
18.	Dr. Neera Dhar, Professor	31.3.2023

Annexures

- I. List of Governing Body Members
- II. List of Standing Finance Committee Members
- III. List of Programme Advisory Committee Members
- IV. List of Faculty Members
- V. Sanctioned and In-position Manpower

Annexure-I
List of Governing Body Members (As on 31st March 2023)

S. No.	Name	Position	Email and Telephone No.
1.	Dr. Mansukh Mandaviya Hon'ble Union Minister of Health and Family Welfare, Nirman Bhavan	Chairman (Ex. Officio)	E-mail: Hfm@gov.in Tel: 23063513 23063024
2.	Mr. Rajesh Bhushan Secretary, (Health & Family Welfare), Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi-110011.	Vice-Chairperson (Ex. Officio)	E-mail: secyhfw@nic.in Tel: 23061863 23063221
3.	Prof. (Dr.) Atul Goel Director General of Health Services, Ministry of Health and Family Welfare, Nirman Bhavan New Delhi-110011.	Member (Ex. Officio)	E-mail: dghs@nic.in Tel: 23061438
4.	Dr. Rajiv Bahl, Secretary, Deptt. of Health Research (MoHFW) and Director General Indian Council of Medical Research, Ansari Nagar, New delhi-110029.	Member (Ex. Officio)	E-mail: dg@icmr.org.in secy-dg@icmr.gov.in Tel: 26588204 26588662
5.	Dr. M Srinivas Director All India Institute of Medical Sciences Ansari Nagar, New Delhi-110029.	Member (Ex. Officio)	E-mail: director@aiims.ac.in Tel: 26588500 26588700

6.	Shri S. Gopala Krishanan Special Secretary (Health) R. No. 256-A, MoHFW, Nirman Bhavan New Delhi-110011.	Member (Ex. Officio)	E-mail: ash-mohfw@ nic.in Tel: 23062857 3061447
7.	Shri Jaideep Kumar Mishra Financial Advisor R. No. 247-A, Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi-110011.	Member (Ex. Officio)	E-mail: asfa-mhfw@n ic.in Tel: 23061541 3061673
8.	Dr. Sachin Mittal Joint Secretary Ministry of Health and Family Welfare Nirman Bhavan, New Delhi-110011.	Member (Ex. Officio)	E-mail: js.me-mohfw @nic.in Tel: 23061398
9.	Dr. Suneela Garg C-17, Sector 19 NOIDA Pin Code: 201301 Telephone: 120-2521256	Member (Chairperson of PAC, NIHFW) (Ex. Officio) (w.e.f 24.11.2021)	Email : gargsuneela@ gmail.com suneela.garg@ gov.in.
10.	Dr. K.S. James Director International Institute for Population Sciences Govandi Station Road Deonar, Mumbai – 400 088	Member (Ex. Officio)	E-mail:directo r@iips.net Tel: 022 2556 3254/55, 022 42372400 Fax: 022 2556 3257
11.	Sh. Rajib Kumar Sen Sr. Adviser (MSME/Health/WCD) NITI Aayog, Sansad Marg New Delhi-110001. (Correspondence No.72686/2016/H&FW)	Member (Ex. Officio)	E-mail: as-niti@gov.i n Tel: 23096544 Mob: 9981893695

12.	Dr. Madhulika Kabar Professor, (Dept. of Paediatrics) Genetic Unit Old OT Block Deptt. Pediatrics, AIIMS Ansari Nagar, New Delhi.	Member w.e.f. 05.07.2022	Email: madhulikakabra@gmail.com Tel: 26594585 Fax: 26588663, 26588641
13.	Dr. Pankaja Raghav Professor & Head, (Dept. of Community Medicine) Deptt. of Medicine & Family, AIIMS Jodhpur, Rajasthan	Member w.e.f. 05.07.2022	Email: raghavpankaja3@gmail.com Mob: 8003996904
14.	Dr. Sarma G.R.K. Professor, (Dept. of Neurology) D 8, St. John's Medical College Hospital, Bengaluru-560032	Member w.e.f. 05.07.2022	Email: grk_sarma@yahoo.com Mob: 9886732622
15.	Prof. B.R.Shamanna Professor, School of Medical Sciences C-170, Old Life Sciences Block, Science Complex University of Hyderabad, Gachibowli, Hyderabad - 500046	Member w.e.f. 13.11.2022	Email: brsmd.uoh@nic.in; brsham@uohyd.ac.in; brsham@gmail.com Tel: 040 2313 5473/6679
16	Dr. Shekhar Shivram Salkar, Surgical Oncologist, Manipal Hospital, Dona Paula, Room No.-22, Ground floor, Manipal Hospitals, Dr E Borges Rd., Panaji, Goa- 403004.	Member w.e.f. 13.11.2022	Email: salkar.shekhar@gmail.com Mob : 9822485769

17	Dr. Daya Krishan Mangal, Senior Associate, D/o International Health, John Hopkins Bloomberg School of Public Health Baltimore, USA, 5/11, SFS, Agarwal Farm, Mansarovar, Jaipur- 302020, Rajasthan, India	Member w.e.f. 13.11.2022	Email: mangaldk@ho tmail.com Mob: 9829122377
18	Dr. Jagat Ram Former Director, PGIMER, Chandigarh House No 463, Phase-2, Omaxe, New Chandigarh, Mullanpur, Punjab Pin.- 140901	Member w.e.f. 13.11.2022	Email: drjagatram@g amil.com Mob: 9876081419
19.	Nidhi Kesarwani, IAS, Director (Additional Charge), NIHFW Baba Gangnath Marg, Munirka, New Delhi-110067.	Member-Secretary (Ex. Officio)	E-mail:directo r@nihfw.org Tel: 26100057 26185696

(1-11 & 19 are ex-officio members and 12-18 are eminent persons nominated as non-official members by the Chairman

Annexure-II

List of Standing Finance Committee Members (As on 31st March 2023)

S. No.	Name & address	Position	Telephone No./ Mobile No.
1.	Mr. Rajesh Bhushan Secretary (H&FW) Nirman Bhavan, New Delhi – 8	Chairperson	23061863, 23063221 secyhfw@nic.in
2.	Prof. (Dr.) Atul Goel DGHS, MoHFW, Nirman Bhavan, New Delhi – 8	Member	23061438 dghs@nic.in
3.	Shri Jaideep Kumar Mishra Additional Secretary & Financial Advisor, MoHFW, Nirman Bhavan, New Delhi -8	Member	23062985 asfa-mhfw@nic.in
4.	Sh. Rajib Kumar Sen Sr. Adviser (MSME/ Health/ WCD) NITI Aayog, Sansad Marg New Delhi –11	Member	23096727 rajib.sen@nic.in
5.	Dr. Sachin Mittal Joint Secretary MoHFW, Nirman Bhavan, New Delhi –11	Special Invitee	23061398 js.me-mohfw@nic.in
6.	Ms. Nidhi Kesarwani Director (Additional Charge), NIHFW – 110 067	Member-Sec retary	26100057 26185696 director@nihfw.org

Annexure-III

List of Programme Advisory Committee Members (As on 31st March 2023)

S. No.	Name	Position	Email and Telephone No.
1.	Dr. Suneela Garg Residential: C-17, Sector 19 NOIDA Pin Code: 201301 Telephone: 120-2521256	Chairperson (w.e.f 24.11.2021)	Email : gargsuneela@gmail.com suneela.garg@gov.in.
2.	Dr. Rajiv Bahl Secretary Deptt. of Health, Research (MoHFW) and Director General ,Indian Council of Medical Research Ansari Nagar, New Delhi.	Member (Ex-Officio)	Email: dg@icmr.org.in Telephones: 26588204, 26588662
3.	Prof. (Dr.) Atul Goel Director General of Health Services, Nirman Bhavan, New Delhi – 11.	Member (Ex-Officio)	Telephone: 23061438 Email: dghs@nic.in
4.	Dr. Sachin Mittal Joint Secretary Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi – 11	Member (Ex-Officio)	Email: js.me-mohfw@nic.in Telephone: 23061773
5.	Sh. Rajib Kumar Sen Sr. Adviser (MSME)/Health/WCD NITI Aayog, Sansad Marg New Delhi-1.	Member (Ex-Officio)	Email: rajib.sen@nic.in Telephone: 23096727

6.	Dr. K.S. James Director International Institute for Population Sciences Govandi Station Road Deonar, Mumbai – 400 088	Member (Ex-Officio)	Email: director@iipsindi a.ac.in Telephones: 91+22+2556 3254/55,
7.	Sri. Anil Kumar T.K. IAS Principal Secretary to Govt. of Karnataka, Department of Health & Family Welfare, Room No. 105, I Floor, Vikas Soudha, Bangalore – 560 001	Member (w.e.f 24.11.2021)	Email: prs-hfw@karnata ka.gov.in Telephone: 080-22255324, 080-22034234
8.	Dr. Nilam Patel Director (In-charge) State Institute of Health and Family Welfare Old Leprosy Hospital Campus, Sayali Park, Azwah Road, Vadodara, Gujarat – 390019	Member (w.e.f .4.11.2021)	Email: adir-hlt@gujarat. gov.in Telephone: 079-23257948 Fax- 079-23254544
9.	Dr. (Mrs.) Radha Debbarma Director, (FW&PM) Govt. of Tripura Health Directorate Building, 2nd Floor, Pt. Nehru Complex, Gurkabasti, Agartala – 799006.	Member (w.e.f 24.11.2021)	Email: dfwpmtripura@g mail.com Telephone: 0381 2326602 Mob:- 9436137227
10.	Dr. G. Srinivas Rao, Director of Public Health and Family Welfare Directorate of Public Health and Family Welfare DM and HS Campus, Koti Hyderabad, Telangana – 500010	Member (w.e.f 24.11.2021)	Email:-Director_ phfw@telangana. gov.in Telephone: 040-23455824

11.	Prof. Archana Shukla Director Indian Institute of Management, Lucknow IIM Rd, Prabandh Nagar, Mubarakpur, Lucknow, Uttar Pradesh 226013	Member (w.e.f 24.11.2021)	Email: director@iiml.ac.i n Telephone: 91-522-6696601/ 02
12.	Prof. Meerambika Mahapatro Professor and Head Deptt. of Social Science NIHFW, New Delhi.	Member (w.e.f. 02.01.2023)	Telephone: 26165959
13.	Prof. Pushpanjali Swain Professor and Head Department of S&D NIHFW, New Delhi.	Member (w.e.f. 01.02.2022)	Telephone: 26165959
14.	Ms. Nidhi Kesarwani, IAS Director (Additional Charge) NIHFW, New Delhi.	Member-Sec retary (Ex. Officio)	Email:-director@ nihfw.org. Telephones: 26100057,

Annexure-IV

List of Faculty Members (As on 31st March 2023)

Ms. Nidhi Kesarwani, IAS	Director (Additional Charge)
Department of Communication	
Dr. Ankur Yadav	Assistant Professor (Stage-3) and Acting Head
Department of Community Health Administration	
Dr. Sanjay Gupta	Professor and Head
Dr. Nanthini Subbiah	Professor
Department of Medical Care and Hospital Administration	
Dr. Manish Chaturvedi	Professor and Acting Head
Dr. Rajesh Ranjan	Reader
Department of Education and Training	
Prof. Neera Dhar	Professor and Head
Department of Epidemiology	
Dr. Sanjay Gupta	Professor and Acting Head
Department of Management Sciences	
Dr. Meerambika Mahapatro	Professor and Acting Head
Department of Planning and Evaluation	
Dr. V. K. Tiwari	Professor and Head
Dr. Manish Chaturvedi	Professor
Dr. Ramesh Chand	Assistant Professor
Department of Reproductive Biomedicine	
Dr. Renu Shehrawat	Professor and Head Reader
Dr. Rajesh Kumar	Assistant Professor (Stage-3)
Dr. S. Ramachandra Rao	Reader
Dr. Kiran Rangari	Reader
Department of Social Sciences	

Dr. Meerambika Mahapatro	Professor and Acting Head
Dr. Mihir Kumar Mallick	Professor
Dr. Sarita Gautam	Assistant Professor
Dr. Monika Saini	Assistant Professor
Department of Statistics and Demography	
Dr. Pushpanjali Swain	Professor and Head
Dr. Dharmendra Kumar Yadav	Assistant Professor
Total Faculty members : 19 (including Director)	

Annexure-V

Manpower Position NIHFw (as on 31st March 2023)

Category	Sanctioned No.	No. in Position (%)	Vacant Posts (%)
Group-A (Including Faculty)	66	31 (46.97%)	35 (53.03%)
Group-B	132	55 (41.67%)	77 (58.33%)
Group-C (Non-technical and technical)	119	69 (57.98%)	50 (42.02%)
Erstwhile group 'D' posts	28	6 (21.43%)	22 (78.57%)
Multi-Tasking Staff	64	31+28* (92.19%)	5 (7.81%)
Total			

* 28 appointed through GeM contract basis