



INDIAN
INSTITUTE
of PUBLIC
HEALTH
ESTABLISHED BY PHFI

DELHI



PROGRESS REPORT

April 2021-March 2022

*“He who has health, has hope;
and he who has hope, has everything”*

-Thomas Carlyle

*“Fighting climate change isn't just an obligation we
owe to future generations. It's also an opportunity
to improve public health - and drive economic growth
- in the here and now”*

— Michael Bloomberg



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Director's Message



The Public Health Foundation of India (PHFI) was launched as a public-private initiative in 2006 to build institutional and systems capacity in India for strengthening education, training, research, technology innovation, practice and policy in public health. PHFI's core mandate is to strengthen public health education in the country by offering high-quality, on-campus programs, eLearning programs and short term trainings delivered through a multipronged, cross cutting and integrated approach to education. This capacity building is central to PHFI's vision for strengthening India's public health institutional and systems capacity for better health outcomes.

Towards translating its mission of developing and strengthening the capacity of public health workforce through education, training and research and setting standards in public health education, PHFI established a network of five Indian Institutes of Public Health (IIPH) - three in 2008 at Gandhinagar, Hyderabad and Delhi and fourth in 2010 at Bhubaneswar and fifth in Shillong in 2015. The institutes are playing a critical role in advancing the vision of the Foundation.

Our courses are contemporary in their design, meticulously structured to address the core competencies of participants, and delivered by a multi-disciplinary team of experienced faculty members. IIPH-Delhi offers a wide range of on-campus programs [PG Diploma in Public Health Management, Integrated MSc PhD in Clinical Research and Masters of Public Health (MPH)] and ten eLearning programs through a state-of-the-art eLearning platform. Our programs reflect the importance of overall technical skill development along with the soft-skills to succeed in contributing to the health of populations. We groom and nurture the future public health leaders by following a judicious blend of theory and practice, using highly innovative learning-teaching pedagogy. Our alumni have been successfully placed in various esteemed national and international organizations and making an impact and improving health nationwide.

In addition to our academic programs, we conduct several short term trainings; conduct program and policy relevant public health research; and undertake advocacy in public health. It is an extraordinary experience as a Director to be a part of this wonderful story. This report showcases the work undertaken at IIPH-Delhi over the last one year and also provides a glimpse of the future.

Professor Sanjay Zodpey, MD, PhD

Director, Indian Institute of Public Health - Delhi

Public Health Foundation of India

India is an emerging economy with rapid development in several sectors. We have made socio-economic progress but the challenge that remains is to ensure equitable sharing of this growth across all strata of the Indian society. Adequate and quality health care are vital drivers of this economic success. Public health, aiming to prevent disease and promote health of citizens across the country, is a critical cornerstone for addressing this challenge. Public Health Foundation of India (PHFI) was conceptualized as a fitting response to redress the limited institutional capacity in India for strengthening training, research and policy development in the area of Public Health. The Prime Minister of India, Dr. Manmohan Singh, launched PHFI on March 28, 2006 at New Delhi.

"Institutions (like PHFI) have a catalytic role to play (in the public health sphere in India) and can bring a transformational change." (Hon' Prime Minister, Narendra Modi -at the IIPH-Gandhinagar Bhoomi Poojan ceremony during his tenure as Chief Minister of Gujarat, 2007).

PHFI is a public private initiative that has collaboratively evolved through consultations with multiple constituencies including Indian and international academia, state and central governments, multi & bi-lateral agencies and civil society groups. The Foundation is managed by a fully empowered, independent, governing board that is represented by multiple constituencies. Structured as an independent foundation, PHFI adopts a broad, integrative approach to public health, tailoring its endeavours to Indian conditions and bearing relevance to countries facing similar challenges and concerns. The PHFI focuses on broad dimensions of public health that encompass promotive, preventive and therapeutic services, many of which are frequently lost sight of in policy planning as well as in popular understanding.

One of the core mandates of PHFI is to institutionalize public health by creating Indian Institutes of Public Health (IIPHs) across the country. Soon after inception of PHFI, three Indian Institutes of Public Health (IIPHs), one each in Gandhinagar (Gujarat), Hyderabad (Telangana) and Delhi-NCR were operationalized in 2008. Later two more IIPHs were added, one at Bhubaneswar (Odisha) in 2010 and Shillong (Meghalaya) in 2015. Besides, an ancillary centre has been established in Bengaluru (Karnataka) with the State Government. More such activities are envisaged across the country in the near future. These institutes established under the aegis of the Foundation, offer academic programs and training in various public health domains and are engaged in program and policy relevant research.

PHFI has received institution building support from Ministry of Health and Family Welfare, several State Governments, corporate leaders, Indian philanthropists and international foundations including the Bill and Melinda Gates Foundation and the Wellcome Trust. We work collaboratively with all stakeholders in the health system. We provide technical support and assistance to central and state governments for informing and aiding governmental initiatives. We engage with other partners including the research community, academia, NGOs, civil society and media towards a collective action on health across sectors, and work with international agencies who support broader public health capacity building in India. Our aim is to play an enabling role in the transformation of India's health scenario.

VISION

"Our vision is to strengthen India's public health institutional and systems capability and provide knowledge to achieve better health outcomes for all "

MISSION

- Developing the public health workforce and setting standards
- Advancing public health research and technology
- Strengthening knowledge application and evidence-informed public health practice and policy

VALUES

Transparency

- Uphold the trust of our multiple stakeholders and supporters
- Honest, open and ethical in all we do, acting always with integrity

Impact

- Link efforts to improving public health outcomes, knowledge to action
- Responsive to existing and emerging public health priorities

Informed

- Knowledge based, evidence driven approach in all we do
- Drawing on diverse and multi-disciplinary expertise, open to innovative approaches

Excellence

- Aim for highest standards in all aspects of our work
- Encourage, recognise and celebrate our achievements

Independence

- Independent view & voice, based on research integrity & excellence
- Support academic and research freedom, contributing to public health goals and interests

Inclusiveness

- Strive for equitable and sustainable development, working with communities
- Collaborate and partner with other public health organisations

Indian Institute of Public Health-Delhi

The Indian Institute of Public Health-Delhi (IIPH-Delhi) is a joint initiative of Government of NCT of Delhi and Public Health Foundation of India. IIPH-Delhi commenced its operations in November 2008 with the launch of the Post Graduate Diploma in Health Economics, Health Care Financing and Health Policy Program targeted at mid-career health professionals. Since then, IIPH-Delhi has expanded its activities and offers on-campus programs, eLearning programs and short term training programs; conducts policy relevant public health research; and undertakes advocacy in public health. IIPH-Delhi is a vibrant hub of public health education, training, research, practice and advocacy in Delhi-NCR. It is currently housed within PHFI headquarters in Gurugram.

Faculty members at IIPH-Delhi are with wide experiences ranging from Public Health, Community Medicine, Epidemiology, Health Management, Biostatistics, Health Economics, Health Policy, Health Social Sciences, Anthropology and Public Health Nutrition. Strong multidisciplinary teams representing major public health disciplines, with a broad range of technical and academic expertise, enable a multidimensional perspective to enrich the educational and research programs at the institute.

IIPH-Delhi has successfully conducted many short-term training programs and workshops in various fields related to public health and continue to do so. More than 9800 participants have participated over the past years, chiefly in the public health capacity building workshop series and as a part of the clinical and epidemiological research workshop series. It offers a wide range of public health development programs (PDPs) in the form of workshops covering the fields of Epidemiology, Biostatistics, Research Methods, Health Social Sciences, Health Management/Administration and Nutrition, with a mandate to enhance public health competencies across India.

IIPH-Delhi has a rich tradition of pursuing academic excellence, value-based education and providing a conducive environment for overall skill development. Through its activities, IIPH-Delhi strives to create a public health workforce that responds to the felt needs of the country.



Major Milestones at a Glance

Academic Year 2021-22

IIPH-Delhi milestones (2021-2022)	Date
Second & Third batch initiated- eCourse in Clinical Research Methods (eLearning)	May 2021 December 2021
MoU signed with Integrated Disease Surveillance Programme(IDSP), MOHFW for undertaking 'Field Epidemiologists Training Programme' will be operative from 8 th Jun 2021 to 31 st Mar 2024	June 2021
Sixth batch initiated - Master of Public Health (MPH) program	August 2021
Ninth batch initiated – Integrated MSc & PhD in Clinical Research	August 2021
Thirteenth batch initiated – Post Graduate Diploma in Public Health Management (PGDPHM)	August 2021
Launched , First and second batch initiated- eCourse in Maternal, Infant, Young Child and Adolescent Nutrition (MIYCAN- eLearning)	August 2021 Jan 2022
Eighth batch initiated-eCourse in Research Ethics (eLearning)	October 2021
Twelfth batch initiated– ePost Graduate Program in Public Health Nutrition (eLearning)	December 2021
Eleventh batch initiated – ePost Graduate Program in Epidemiology (eLearning)	December 2021
Tenth batch initiated – ePost Graduate Program in Management of Reproductive and Child Health Programmes-(eLearning)	December 2021
Sixth batch initiated- ePost Graduate Program in Health Economics, Health Care Financing and Policy (eLearning)	December 2021
Twelfth batch initiated – eCourse on Monitoring & Evaluation of Health Programs (eLearning)	December 2021
MoU signed with Ministry of Health and Family Welfare for undertaking 'Capacity building on hospital preparedness for hospital managers (1 week), and public health emergencies for district health officials (2 weeks)' will be operative from 3 rd Mar 2022 to 31 st Mar 2026	December 2021
Online workshop on Data Visualization in Python for Public Health Professionals	December 2021



Academic Programs

Three on-campus academic programs and ten eLearning programs are being currently offered from IIPH-Delhi

On Campus Programs

Name of the Program	Duration	Objective
Master of Public Health (MPH) <i>(Jointly conducted by PHFI and Academy of Scientific and Innovative Research AcSIR)</i>	Two Years	<ul style="list-style-type: none"> • Prepare students in program organization and management, problem solving, and critical thinking in the public health domain. • Prepare students to undertake public health research in institutional and field settings. • Prepare students to work in socially, culturally and economically diverse populations by being attentive to needs of vulnerable and disadvantaged groups and well versed with existing health systems. • Promote qualities of leadership and effective use of communication skills for health advocacy among students. • Prepare students for teaching /training posts in public health institutions.
Integrated MSc & PhD in Clinical Research Program <i>(Jointly conducted by PHFI and Academy of Scientific and Innovative Research AcSIR)</i>	Two years for MSc & minimum three years for PhD	This multi-disciplinary program focuses on the scientific, ethical and operational issues related to clinical research. This Clinical Research program is a blend of principles of basic and advanced research and its application in health sector.
Post Graduate Diploma in Public Health Management (PGDPHM) <i>(Supported by Ministry of Health & Family Welfare, GoI through National Health Mission, NHM)</i>	One Year	To enhance the capacity of the public health managerial workforce through the conduct and delivery of a specially designed post Graduate diploma course in Public Health Management.



Brochures of Campus Programs for 2022 Session



MPH 2021-23

MSc CR 2021-23



PGDPHM 2021-22

PhD Students



eLearning Programs 2021-22

Name of the Program	Duration	Objectives
ePost Graduate Program in Public Health Nutrition	1 year	The course aims to provide comprehensive training in public health nutrition in a global setting coupled with an exposure to a number of topics and in a range of contexts.
ePost Graduate Program in Epidemiology	1 year	The course aims to build a pool of trained public health professionals with a special focus on application of epidemiology in public health.
ePost Graduate Diploma in Management of Reproductive and Child Health Programmes	1 year	The course aims to develop an in-depth understanding of technical and programmatic issues related to reproductive and child health programmes. It also intends to strengthen the capacity to plan, manage and monitor RCH programmes at the state and district level.
ePost Graduate Program in Health Economics, Health Care Financing and Policy	1 year	The course aims to increase appreciation of role of health economics, health care financing and policy in public health. It will provide a fundamental understanding of key issues in health economics, health care financing, pharmaceutical economics and economic evaluation for public health practice for informed decision making and implementation.
eCourse on Monitoring & Evaluation of Health Programs	6 months	The course aims to strengthen the capacity and update current knowledge about M&E of professionals working in the field of public health globally.
eCourse on Public Health Development for ICDS officials	6 months	The course aims to update current knowledge, strengthen the technical capacity on reproductive and child health nutrition and enhance the managerial skills of the service providers and officials working under the ICDS program.
eCourse in Clinical Research Methods	4 months	The course aims to provide participants with a multidisciplinary perspective to facilitate their skills in health research. This course will expose them to fundamental concepts and basic analytic methods to cover topics spanning from conceptualization of research idea to dissemination of research findings to fully equip them to carry out original research and report their findings.
eCourse in Maternal, Infant, Young Child and Adolescent Nutrition (MIYCAN)	4 months	This course will sensitize participants on the importance of first 1000 days of life with specific emphasis on the critical importance of maternal nutrition, breastfeeding, complementary feeding, adolescent nutrition, health systems protocols and evidence based approaches for quality MIYCAN programming.
eCourse in Research Ethics	3 months	The course aims to sensitize members of ethics committees, researchers and students on the ethical principles of research ethics in humans, essentially in the context of public health research and implementation trials. The focus of this course would be more related to public health research and implementation research.



Brochures of eLearning Programs for 2022 Session



Students interacting with the health workers about the routine immunization during their field visit to Chandralok UPHC, Haryana



Students interacting with the Medical Officer-In-Charge during their field visit to Tigra UPHC, Haryana

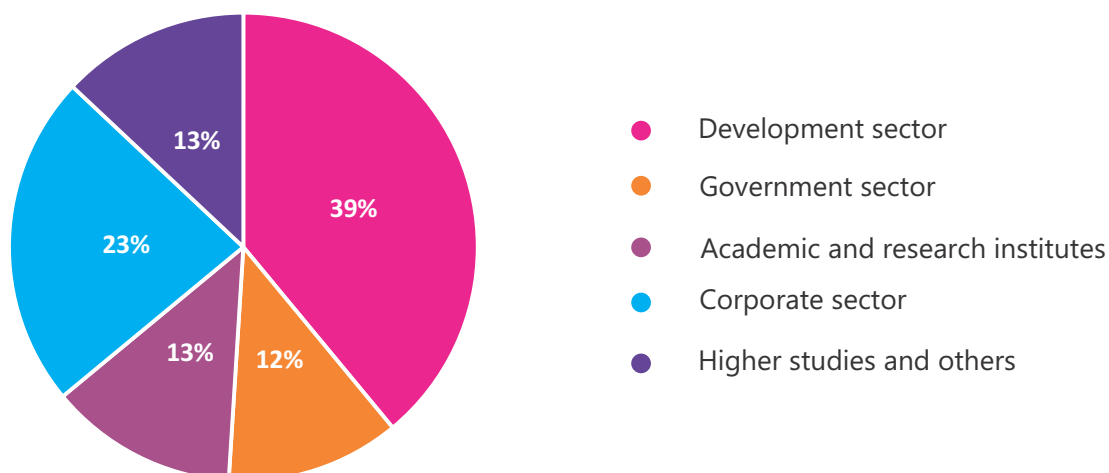
Placements

IIPH-Delhi has an active placement cell to coordinate the student placement activities. The placement cell is managed by the Faculty Leads, Program Officers and student placement cell representatives from each academic program at IIPH-Delhi and supported by Assistant Manager-Placements at PHFI.

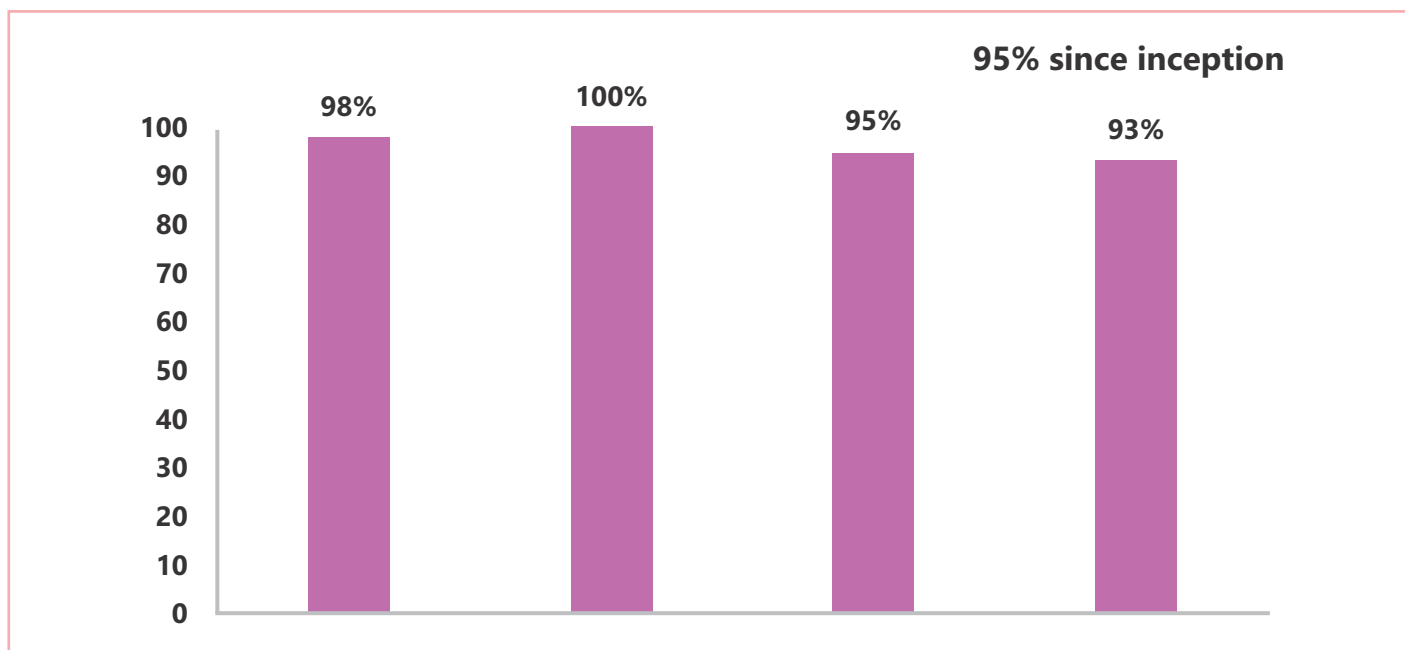
The placement cell facilitates student's employability in relevant organisations working in public health: development sector (NGO's/ INGO's), hospitals, clinical research organizations, academic institutes, government organizations, CSR foundations, Consulting firms and research organizations.

Over the years, IIPH-Delhi has emerged as one of the favoured destination for hiring public health graduates by employers. In addition to providing placement assistance to the students in relevant organisations, the placement cell also facilitates internship of students, guest lectures, connecting to alumni network, career counselling of students for various available job opportunities and organizing professional skills development workshop for students.

Sector wise placement details of self-sponsored students (2008-2021)



Placement details of MPH (2016-18, 2017-19, 2018-20, 2019-21 batch)



Some employers of IIPH-Delhi graduates



Student Life at IIPH-Delhi



Students enjoying at UMANG - 2022



Students enjoying at UMANG - 2022



Students enjoying at UMANG - 2022



Students Interacting with ASHA's in the sub-centre during their field visit to Sukhrali UPHC, Haryana.



Testimonials from Students - Academic Programs (on Campus)

Anjali V Joseph | MPH 2020-22

My time at IIPH-Delhi opened up a new world of Healthcare that I didn't know existed. I have developed many skill sets such as analytical and computer skills that has prepared me for any sort of upcoming challenges.



Salim Jawed | PGDPHM 2020-21, Nominated candidate from Bihar

I got this opportunity to do this course in regular mode as a sponsored candidate from Bihar, when Bihar Government is preparing a draft for Public Health Management Cadre.



Baani Sodhi | MSc CR 2020-22

Although online lessons will never be able to replace real classes, our lecturers did their best to help us all feel at ease and adjust to the concept of online learning. The curriculum focuses on both practical abilities to theoretical concepts and imparts all required knowledge and skills to pursue a career in clinical research. Furthermore, this course has assisted me in broadening my views in terms of how I think and approach at a research article.



Aayushi Ambastha | MSc CR 2020-22

This course gave me a new outlook towards healthcare. It has really helped me in improving my knowledge and skills. The events that I took part helped me to grow my confidence level. Teachers are very skilled and experienced and guides throughout the course. I'm glad I decided to take up this course in this institute.



Parinita Barman | MPH 2020-22

Learning from scratch to getting placed, they always had our back, always guiding and supporting us at every step forward!.

**Sanchi Jain** | MPH 2020-22

Being a part of the IIPHD family is a privilege. The institution has helped me to understand my potential and has flourished me with a plethora of knowledge. They not only led me with my education but have also helped me to become a "Better Person" for tomorrow. I am grateful to our Director and the dynamic Faculty members who constantly supported us in these challenging times and have left no stone unturned to make us understand the concepts and make the classes interesting even in the online mode. Also, the institute organizes a series of expert's talk that helps us in acquiring in-depth knowledge of topics. I sincerely thank the Indian Institute of Public Health-Delhi for giving me this opportunity to learn this multidisciplinary course effectively. It is indeed the best institute to learn and enhance your skills.

**Sheilja Walia** | MPH 2020-22

Our batch completed half of the course online, but it never seemed that we were connected to each other virtually, all thanks to the IT team of the college. The staff is very supportive and approachable. A well-experienced faculty member is present at the institute to guide the students on every step. I am thankful to my guide, Dr. Suparna Ghosh, who supported me and mentored me by giving her valuable insights every time I asked for them. The placement cell of the college makes strong efforts to provide on-campus placements. I have also been placed at NHSRC, a renowned organization. With all respect and regards, I would like to thank IIPH-Delhi for giving me such wonderful exposure.

**R Aishwariya** | MPH 2020-22

The course was very interesting with a committed, friendly and supportive faculty. The course not only gave me an in-depth knowledge about public health and its importance in society, but I was able to also develop other skills which, boosted my confidence further.

"IIPH-Delhi gives you knowledge, confidence and teaches your life skills for your future".



Madhurima Kundu | MPH 2020-22

During my course Master of Public Health from IIPH-Delhi, I was exposed to different aspects of public health which expanded my understanding of this field to a great extent. The course is multidisciplinary which covers multiple sectors and the teachers have delivered their best in this online period to enable us to learn and utilize this diverse set of competencies in various applied public health fields. The course curriculum has provided a fine understanding of various skills like project management, data analysis, conducting literature reviews, basics of budget analysis. IIPH-D has equipped with various public health skills that is beneficial to the society.

**Gina Rachel Sunil | MSc CR 2020-22**

Joining MSc Clinical Research 2020 batch was the best decision I made and a turning point of my career. Amidst this pandemic, the dedication of the IIPHD faculties made this journey easy for me. I gained many research specific skill sets, which I am confident, will help me in building a career in Clinical research. Although we only had 2 months of in campus experience, our faculties supported and guided us throughout the course.

**Uday Roy | PGDPHM 2020-21, Nominated candidate from Bihar**

Never too early, never too late. Get the higher education at the right place. IIPH-Delhi brings SMILE to faces who really wants a change in life and community.



Student Testimonials-eLearning Programs



Mr. Manish Mitra

ePost Graduate Program in Health Economics, Health Care Financing & Policy, (Dec 2020- Nov 2021)

I have enjoyed the course thoroughly - the overall structure and the content are very balance for candidates having diverse backgrounds. I would particularly like to commend the timeliness of communication and speedy response from the course coordinator, it has been extremely professional and supportive.



Ms. Anushka Srivastava

ePost Graduate Program in Public Health Nutrition (Dec 2020- Nov 2021)

The faculty is a very knowledgeable, each one of them experts in a particular field and have wonderfully explained us each component of each module. I was also very satisfied with the regular mails & up to date information about the course, classes, tests, reminders etc. The course was planned really well and included all the topics encompassing Public Health Nutrition. I am really grateful to all the faculty members as well as the management & administration team of PHFI.



Dr. Sai Prashanth Ravula

ePost Graduate Program in Epidemiology (Dec 2020-Nov 2021)

"I felt this course was very useful which helped me to enhance my existing knowledge in Epidemiology. The modules are perfectly classified and a proper time frame was provided for each. The lectures are very clear and the teaching staff explained them very clearly. Overall the course was too good to learn epidemiology."



Ms. Priyanjali Bhattacharya

ePost Graduate Program in Management of Reproductive & Child Health Programmes (Dec 2020-Nov 2021)

The course has helped me to understand the broad spectrum of maternal and child health, the necessities as well as the limitations which might help us to come up with solutions whenever and wherever applicable. During my research work on cancer biology, I gradually developed interest on health related programs. I am glad to be enrolled and successfully completing the e-post graduate course on management of reproductive and child health. IIPH offers an excellent curriculum and the professors were always kind enough to provide extensive lecture series as well as addressing our doubts after every session. Overall it was a great learning experience. My regards to the team and the management for providing such a platform.



Mr. Emmanuel Seglaaro Ekaa

eCourse in Monitoring & Evaluation of Health Programs (Dec 2020 - June 2021)

"The course structure was made to have a flow that enhances understanding of the Program."



Dr. Sarla Nihlani

eCourse in Maternal, Infant, Young Child and Adolescent Nutrition (Aug - Dec 2021)

"Being Gynecologist I often come across the breastfeeding problems, so I used to teach my staff from module. Second important is malnutrition because children are only given breast milk upto 2 years and complementary feeding is started too late. Now I have become more about the nutrition of their children when they come for ANC checkups. Obesity, PCOs and anemia is common among adolescents, I am more focused on this issue now. Overall my experience was good . I am doing private practice, so many of the programmes like poshan abhiyan and anaemia mukt bharat are not implemented like government set ups. I learned a lot about all these programs in depth. Videos and study material was quite elaborative. All the faculty members were thorough in their knowledge. I thank all faculty members and IT team."



Dr. Malvika Singh

eCourse in Research Ethics, Oct 2021 batch

It has been an absolute pleasure to attend this course. The course is meticulously designed and the faculty is best in the field. It has indeed enhanced my knowledge immensely.



Dr. Rahul Anand Kanakasabapathy

eCourse in Clinical Research Methods (May – Oct 2021)

"The course has helped me to understand Clinical Research Methodology much better and has enabled me to start pursuing my Ph.D in a better and more organized manner."

Highlights of Covid-19 Related Work

IIPH-Delhi faculty members and MPH students have been actively engaged in various activities related to the containment of the COVID-19 pandemic response during 2020-22.

Work with National Centre of Disease Control (NCDC), New Delhi

A team of faculty members along with students assisted the NCDC in responding to the COVID pandemic. The team was stationed at NCDC and provided round the clock support. The support included complimenting the surveillance effort in Delhi through contact tracing and securing complete patient information. This was done telephonically as well as on-site at treating hospitals. The team also provided support in developing strategic plans for containment in key states across India.

The students were also given the task of collecting travel information related to foreigners staying in NCR during the period of surveillance. Subsequently, they worked with the Integrated Disease Surveillance Programme (IDSP) team at NCDC and assisted the NCDC officials in planning State-wise strategies for contact tracing and cluster containment measures; data entry, sorting, and preliminary analyses, including analyses of COVID-19 mortality data and report writing. They also spent time collating data and updating the portal with relevant information regarding patients from various States. This team of IIPH-Delhi also provided actionable information for identification and contact tracing of key super-spreader events in states.

Member of various technical committees

IIPH-Delhi Director is an active member of various technical committees related to COVID containment and response which are as follows:

- Member of the Epidemiology and Surveillance research group within the National Task Force for COVID-19 at ICMR, to identify the research priorities related to Epidemiology and Surveillance, and initiate research studies.
- Technical Advisor for COVID-19 related activities for Nagpur Division. He provided suggestions for appropriate measures to be taken to contain the pandemic in the Division.
- Member of the group working on execution of specific tasks related to population based studies and prophylaxis studies to generate evidences of AYUSH interventions in dealing with the COVID-19 crisis, initiated by Ministry of AYUSH and implemented by research councils, academic institutes and other partners in different parts of the country.
- Member of the expert group that was providing technical advice to MoHFW, Govt. of India for intensifying the COVID-19 pandemic containment and management in peri-urban, rural and tribal areas.

Besides, 2 faculty members have been part of a team to provide need-based expert epidemiology inputs to the Ministry of Health and Family Welfare, GoI. Another faculty member provided technical support to an independent initiative for development of a technology platform for real time monitoring of COVID 19 cases and logistics support ([COVID19India.org](https://www.covid19india.org)). He also served as a member of Immunization and Vaccine Implementation Research - Advisory Committee at WHO-HQ, which has published its pink book on immunization and vaccines, including COVID-19 vaccine development.

Publications related to COVID-19

IIPH-Delhi faculty members have contributed to publications related to COVID-19 in various national and international journals as well as in newspapers. The details of the list of Journal Articles is mentioned in the Publication section of this report. Publications have also been part of background papers on “Investment requirements for scaling up COVID 19 response”, and “National Health Systems support and Advisory Strategy” developed by PHFI. Some articles related to COVID 19 have also been published. Details of the publications are as follows:

Media articles -

- Zodpey SP. (2021, January 17). Expecting pandemic to end with vaccine roll out is too optimistic an assumption. The Times of India. URL: <https://timesofindia.indiatimes.com/city/nagpur/expecting-pandemic-to-end-with-vaccine-roll-out-is-too-optimistic-an-assumption/articleshow/80306772.cms>
- Zodpey SP. (2021, May 30). 'Covid-appropriate behaviour, enhanced vaccine drive will delay or diminish impact of 3rd wave'. The Times of India. <https://timesofindia.indiatimes.com/city/nagpur/covid-appropriate-behaviour-enhanced-vaccine-drive-will-delay-or-diminish-impact-of-3rd-wave/articleshow/83073891.cms>

Projects related to COVID-19

During and following the period of the lockdown, some new projects and proposals have been developed by IIPH-Delhi faculty members:

1. Technical Support to All India Institute of Ayurveda (AIIA) in implementing research studies related to Covid-19 – providing technical assistance and training AYUSH doctors on the conduct of clinical trials for management of COVID-19. This work was carried out in collaboration with the Ministry of AYUSH.
2. Evaluation of integration of AYUSH into the public health system for combating COVID-19 – the study was developed in collaboration with the Ministry of AYUSH and WHO SEARO. This recently completed study sought to understand the level of integration of AYUSH into the current health system through assessing the responsiveness and acceptance of the health system to the introduction of traditional medicine for large scale prophylaxis during an epidemic.
3. Extending technical support and facilitating the implementation of population based prophylactic studies related to COVID-19 – this activity was carried out in collaboration with CCRUM (Central Council for Research in Unani Medicine).
4. A study is being conducted at IIPH-Delhi in collaboration with the Ministry of AYUSH to synthesize and document prophylactic and therapeutic interventions utilized against COVID-19 as laid down in the National Clinical Management Protocol (NCMP) on Ayurveda and Yoga, in terms of specific output and outcome indicators recorded at various Ayurveda institutions across the country. This study would enable in improving and implementing equal reciprocity across different systems of medicine globally, which would aid further research in the prophylaxis and management of COVID 19.
5. A study titled “Effect of COVID-19 Pandemic on Food Systems and Determinants of Resilience in Indigenous Communities of Jharkhand State, India: A Serial Cross-Sectional Study” has recently been completed by one faculty member as part of her current DBT/Wellcome trust fellowship. Telephonic surveys of households using the

study tool were conducted to capture information related to food environments, diets, and farming practices in the tribal communities in the context of the COVID-19 pandemic. The findings have been compiled into a manuscript, which has been accepted for publication in Frontiers in Sustainable Food System.

6. Predictors of COVID-19 disease severity in India: a case-control study – supported by ICMR - the objectives of this hospital-based study were to determine the factors associated with severe and critical COVID-19 disease in India, and to develop and validate a prediction model (risk-scoring system) for severe and critical COVID-19 disease. This project is a joint initiative of IAPSM, IIPH-Delhi and NIE Chennai submitted to ICMR.
7. A team of IIPH-Delhi faculty members completed an activity with Deloitte on specific activities to support the establishment of the District model for prevention and management of COVID-19. These activities include support in developing IEC materials for community outreach and demand generation, training of various groups of stakeholders across multiple levels of the health system, and developing a write-up of the model for dissemination and scale-up.

Award for exemplary work:

Certificate to Prof. Sanjay Zodpey for making an outstanding contribution to protecting the public's health during the COVID-19 pandemic. Faculty of Public Health, UK. Dt. 22nd July 2021

In appreciation of outstanding commitment, dedication and selfless service with sacrifice for the suffering mankind and for fight against Novel Corona (COVID-19) during the challenging time as FRONT-LINE WARRIOR. Presented by Shri Bhagat Singh Koshyari, Honourable Governor of Maharashtra at Raj Bhavan, Nagpur on 16th January 2021.



IIPH-Delhi Alumni as COVID warriors:

Past students of IIPH-Delhi, who have been working with the health departments in their respective States/ districts, towards the management of the COVID-19 pandemic.

1. Dr. Spriha Bhaskar, MPH 2016-18 alumnus of IIPH-Delhi, was honoured by Bihar Health Minister, Shri Mangal Pandey for successful rollout of COVID vaccination in Bihar state. Dr Spriha is currently working as State Public Health Immunization Consultant, UNICEF (Patna).
2. Dr. Kartavya Tiwari and Dr. Gaurav Ojha, alumni of MPH 2016-18 batch, currently working as District Epidemiologists have been awarded by the District Collector for their phenomenal work during the COVID pandemic.



Participation in and Conduct of Webinars on COVID-19:

IIPH-Delhi Director has been an active speaker at several webinars related to COVID-19 since 2020. The most recent ones are highlighted below:

1. Webinar: Leveraging Learnings from COVID-19 Pandemic for Strengthening Health Systems in India. Johns Hopkins Bloomberg School of Public Health, USA. Dt. 11th January 2021 (Invited Speaker).
2. Virtual CME on Emergence of Resilient Health Care System in India – Time to Unlearn. ESIC Medical College, Sanathnagar, Hyderabad. Dt. 13th March 2021 (Invited Speaker: Health Care System Response to Covid-19 Pandemic).
3. Webinar: Health Systems Response to Covid-19 in Rural India. Michigan State University: Asian Studies Center. Dt. 15th April 2021 (Invited Speaker).

The following webinars were organized by IIPH-Delhi for its students:

1. Learning experiences from Dharavi, Mumbai on prevention and control of COVID-19 disease: A success story. December 10, 2020. Speaker: Dr. Sunil Khaparde, Advisor, Public Health SPL, PHO, Mumbai, Ministry of Health and Family Welfare; Dte. GHS / MOHFW, Govt. Of India; Former Deputy Director General, Ministry of Health & Family Welfare, Government of India, a National Program Manager of Tuberculosis, Heading Central TB Division, Project Director, RNTCP.
2. Inequalities in health: Dealing with COVID vaccination and disease. April 1, 2021. Speaker: Prof. Sushma Acquilla, Interim Consultant in Public Health leading the Health and Justice (H&J) Agenda for The Manchester Health and Social Care Partnership (GMHSCP); Honorary Vice Chair of the Global Health Committee and previously International Faculty Advisor, from 2006- 2016, to the UK Faculty of Public Health (FPH) of Royal College of Physicians (RCP).

Engagement of IIPH-Delhi research staff working in various States

Some of the project staff of IIPH-Delhi were involved in different COVID-19 related activities across various states including Uttar Pradesh, Meghalaya, Haryana and Gujarat. The activities were mainly related to data compilation and analysis, IEC and contact tracing of COVID-19 positive cases.

Public Health Development Programs

Short-term Training and Workshops Apr 2021 – Mar 2022

Indian Institute of Public Health-Delhi (IIPH-Delhi) offers a wide range of short-term training and workshops. These training programs aim to enhance the capacity of the professionals in implementing and managing health programs and improve the provision of quality health care services. Apart from this, the training programs also enable the participants to develop and enhance skills in quantitative and qualitative research techniques, critically appraise existing research, and foster the development of strong analytical skills. A range of training topics including Quantitative and Qualitative Research Methods, Public Health Management, Health Policy, Public Health Nutrition, Advocacy, Health Communication, Ethics, and Leadership in Health and Development sectors are being offered. The key strengths of our training programs are; skill-based training modules, content designed for the multidisciplinary nature of the participants, short duration and high standards of teaching by in-house experienced faculty, affordable registration fee, and efficient administration. The principles of quality assurance are used for all training programs for continuous value-add on the field.

Several such training programs customized to the identified needs of health professionals, clinical and public health researchers, program managers, and social scientists from academic institutes, NGOs, and health systems across India and also outside the country have since been conducted at the institute. Owing to the COVID-19 pandemic from March 2020, the containment measures, and the resulting institutional closure IIPH-Delhi training division adopted an online modality for short-term training and workshops. We also adopted a blended modality for training where online sessions were supplemented with contact sessions. Hosting these academic events has been a rewarding experience with the aim of providing a boost to the public health sector of the country. The training programs have been designed and aligned considering the needs of various stakeholders. Some of these training and workshops have received support and funds from both national and international organizations. During the period April 2021 to March 2022, the training division successfully conducted **4** training and workshops (online and on-campus sessions) in which **148** candidates participated.

Since its inception in November 2008 until March 2022, IIPH-Delhi has successfully delivered **428** training and workshops, enhancing the skills and capacity of **9869** participants.

Short-term Trainings and workshops at IIPH-Delhi (Apr 2021 – Mar 2022)

Trainings designed and conducted by IIPH-Delhi	No. of Online Trainings	Participants Trained	Training days	Person Days
April 2021 – March 2022	4	148	23	529

Proposed Workshop Series 2022-23 with the following topics

Sl. No.	Topics	Date
1.	Leadership in Health and Development Sectors	Jul 19-22, 2022
2.	Management of Reproductive and Child Health and Nutrition Programs	Aug 01-05, 2022
3.	Basic Statistical Analysis using SPSS	Aug 22-26, 2022
4.	Project Management of Health Programs	Aug 22-26, 2022
5.	Sample Size Estimation and Sampling Techniques in Health Research	Aug 30-Sep 02, 2022
6.	Online Workshop 'Data Visualization in R for Public Health Professionals'	Sep 06-09, 2022
7.	Operations Research in Public Health	Sep 13-16, 2022
8.	Economic Evaluation of Health Care Programs	Sep 19-23, 2022
9.	Epidemiological Analysis and Visualization of Outbreak Data in Excel and R	Oct 18-21, 2022
10.	Basic Statistical Analysis using Stata	Oct 31- Nov 4, 2022
11.	Systematic Reviews and Meta-analysis using RevMan	Nov 14-18, 2022
12.	Nutritional Management of Severe Acute Malnutrition (SAM): A Capacity Building Workshop	Nov 21-25, 2022
13.	Designing, Analysis and Interpretation of Quantitative Health Research	Nov 28-Dec 02, 2022
14.	Sensitization to Qualitative Research Methods for Health Professionals	Nov 29-30, 2022
15.	Monitoring and Evaluation of Health Programs for Improved Decision Making	Dec 05-09, 2022
16.	Research Ethics	Dec 06-07, 2022
17.	Strengthening of Routine Health Information Systems (RHIS)	Dec 12-16, 2022
18.	Evidence-based Public Health Programming for Early Childhood Development	Jan 18-20, 2023
19.	Introduction to Infectious Disease Modelling	Feb 13-17, 2023
20.	Impact Evaluation: Public Programs in Health	Feb 20-24, 2023
21.	Medical Writing	Feb 28-Mar 03, 2023
22.	Application of Econometrics in Health Policy Analysis	Mar 13-17, 2023
23.	Approaches for Implementing Adolescent Health Programs	Mar 21-24, 2023

List of Short-term Training and Workshops (Apr 2021 – Mar 2022)

Sl. No.	Topic	Date	Modality (Online/ Blended)	No. of participants	Days	Person Days
Public Health Management and Health Economics						
1.	Field Epidemiology Training Programme (FETP) under Integrated Diseases Surveillance Project (IDSP)	Dec 6 - 18, 2022	On-campus	21	13	273
Quantitative Research Methods						
2.	Online Workshop on 'Data Visualization in Python for Public Health Professionals'	Mar 22-25, 2022	Online	15	4	60
3.	Systematic Reviews and Meta-analysis using RevMan	Mar 28-Apr 1, 2022	On-campus	21	5	105
Public Health Education						
4.	How to do a Literature Search? (Online)	May 15, 2021	Online	91	1	91



Testimonials from Participants – Short-Term Training and Workshops

"Learning from this workshop will be useful in the outbreak investigation, analysis of data, and interpretation of results in a graphical manner"

- Participant of workshop 'FETP under IDSP' held on Dec 06 - 18, 2021

"It was a wonderful and informative workshop, well-spaced and interactive. Would love to attend more workshops like this in the future"

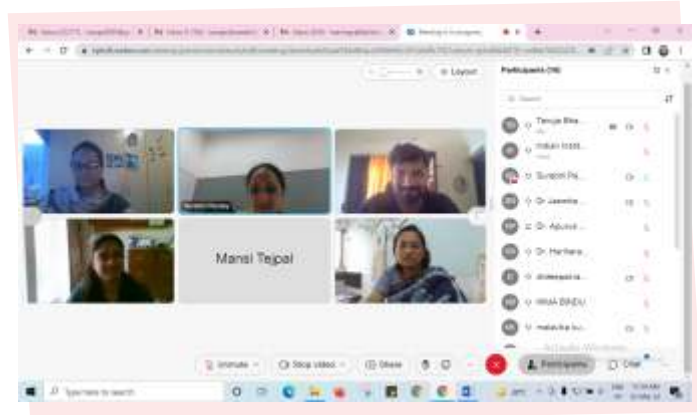
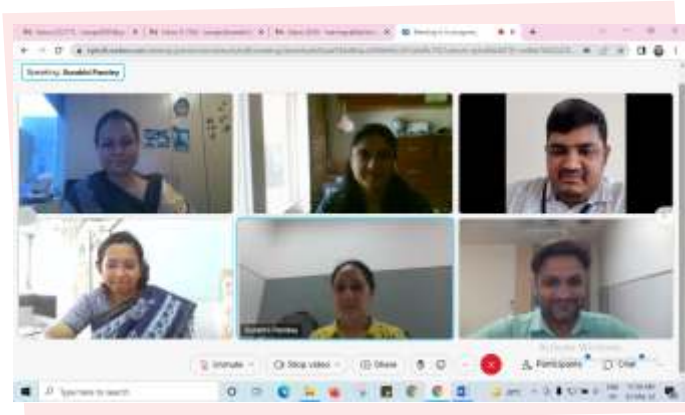
- Participant in the online workshop 'Data Visualization in Python for Public Health Professionals', Mar 22-25, 2022

"It has been very useful for me as I learned many new things and also my concepts became clearer. It will be beneficial for me in my current project as well"

- Participant of workshop 'Systematic Reviews and Meta-analysis using RevMan' held on Mar 28 - Apr 1, 2022.



Glimpses of Short-Term Training and Workshops



*Glimpses of Participants attending a virtual session of the online workshop
"Data Visualization in Python for Public Health Professionals" held on Mar 22-25, 2022*



Participants during a session in the classroom attending the short term training "FETP-IDSP" held on Dec 6- 18, 2021

Research

The Research Administration and Development (RAD) Cell at IIPH-Delhi

IIPH-Delhi encourages its faculty members to undertake need-based and India relevant public health research. The vibrant research atmosphere at IIPH-Delhi has enabled faculty members to undertake **150** research projects (**140** completed and **10** ongoing) since its inception in 2008. Additionally, our researchers also collaborate with colleagues from PHFI, other IIPHs and multiple national and international academic institutes in research activities. The Research Administration and Development (RAD) Cell was conceived to streamline research related activities, ensure centralized and updated documentation of research activities and help enhance our institutional research capacity. The cell has facilitated the creation of institutional frameworks and SOPs guiding research administration and development. The cell also facilitates communication with the Research Administration Team at PHFI in streamlining the proposal submission process from all IIPH-Delhi researchers and their record maintenance. The institute has a strong research base with several projects funded/ supported by the Government, with **49%** faculty time engagement in projects and **32** publications in 2021-22.

Institutional Ethics Committee of the IIPH-Delhi

The Institutional Ethics Committee of the IIPH-Delhi, was constituted in February 2011. It aims to protect human subjects participating in various research projects carried out by the IIPH-Delhi. The Ethics Committee of IIPH-Delhi was approved and registered by the DCGI, Government of India, as an Independent Ethics committee in November 2014.

Technical Review Committee of the IIPH-Delhi

The Technical Review Committee (TRC) at IIPH-Delhi is tasked with technical review of research proposals before they are submitted to IEC.

Projects Statistics (April 2021 – March 2022)

Particulars	Numbers
Ongoing Projects at IIPH-Delhi	10
Completed Projects at IIPH-Delhi	11
IIPH-Delhi Faculty as Co-Investigator in Ongoing Projects with PHFI/IIPHs/COEs	2
IIPH-Delhi Faculty as Co-Investigator in Completed Projects with PHFI/IIPHs/COEs	6
Total	29

Projects April 2021 - March 2022

Ongoing Projects at IIPH-Delhi

Sr. No.	Project Title	Investigators	Funding Agency	Duration
1.	Design and Scale up of Alternate Models for Responding to the Critical Shortage of Medical Specialists in Selected States	Sanjay Zodpey, Subhash Salunke, Dileep Mavalankar, Himanshu Negandhi, Rajesh Nair	Bill and Melinda Gates Foundation (BMGF)	Oct 2016 – Apr 2022
2.	Dietary Diversity and Nutritive Value of Indigenous Foods in Addressing Food Security and Nutritional Status of Vulnerable Tribal Communities of India	Suparna Ghosh-Jerath	The Wellcome Trust DBT India Alliance	May 2017 – Apr 2022
3.	Scholarships for Students Enrolled in MPH Programs Offered at the Indian Institutes of Public Health – Gandhinagar, Hyderabad and Delhi-NCR	Anjali Singh	Infosys Foundation	Aug 2017 – Aug 2022
4.	*The Food Environment Toolbox: Tools to Measure Natural and Built Food Environments in Low- and Middle-Income Countries	Suparna Ghosh-Jerath	IMMANA Competitive Research Grants, Rutgers	Mar 2021 – Feb 2023
5.	Review of COVID-19 Related Clinical Outcomes Following the Introduction of the National Clinical Management Protocol (NCMP) on Ayurveda and Yoga	Jyoti Sharma, Preeti Negandhi, Ranjana Singh	Ministry of AYUSH, Government of India	Jun 2021 – Sep 2022
6.	POSHAN Covid Data Reviews	Suparna Ghosh-Jerath	The United Nations Children'S Fund (UNICEF)	Oct 2021 – Apr 2022
7.	Strengthening Comprehensive Primary Healthcare in Municipal Corporation Greater Mumbai (MCGM)	Sanjay Zodpey, Preeti Negandhi, Jyoti Sharma, Saurav Basu	The United Nations Children'S Fund (UNICEF)	Oct 2021 – May 2022
8.	Advanced Collaboration for Early Childhood Development & Empowerment (ACECD)	Samiksha Singh, Rajan Shukla, GVS Murthy	The United Nations Children'S Fund (UNICEF)	Oct 2021 – Apr 2022
9.	Are Citizens of Delhi Willing to Stop Using Private Vehicles for Their Daily Office Commute in Order to Reduce Air Pollution and Related Ailments	Shomik Ray, Ranjana Singh	Indian Council of Medical Research (ICMR)	Jan 2022 – Dec 2023

Sr. No.	Project Title	Investigators	Funding Agency	Duration
10.	Developing a Policy Note with Recommendations on Increase in Incidence of Anemia in the Country	Suparna Ghosh-Jerath	Population Foundation of India (PFI)	Feb 2022 – Apr 2022

Completed Projects at IIPH-Delhi

Sr. No.	Project Title	Investigators	Funding Agency	Duration
1.	Understanding Impact of Pharmaceutical Regulation and Policies on Access to Medicines in India	Habib Hasan	University of New Castle	Aug 2019 – Jul 2021
2.	Digoxin in Patients with Rheumatic Heart Disease - A Randomised Placebo-Controlled Trial	Niveditha Devasenapathy, Ranjana Singh	All India Institute of Medical Sciences (AIIMS), Indian Council of Medical Research (ICMR)	Mar 2020 – Mar 2022
3.	Public Health Ethics in India- Establishing Linkages and Synergies	Shifalika Goenka	Wellcome Trust	May 2020 – Jun 2021
4.	Strengthening Routine Health Information Systems in South-East Asia	Sanjay Zodpey, Preeti Negandhi, Tanica Lyngdoh, Niveditha Devasenapathy, Shomik Ray	World Health Organization - India	Nov 2020 – Apr 2021
5.	A Situation Analysis of Open Space Gyms in Delhi from a Health Perspective and a Case Study to Document Good Practices	Shifalika Goenka, Dorairaj Prabhakaran, Sailesh Mohan	World Health Organization – SEARO	Nov 2020 – Jul 2021
6.	*Technical Support to Periwinkle Technologies in the Implementation and Documentation of Use of Smart Scope in Healthcare Facilities in Pune, India	Tanica Lyngdoh, Preeti Negandhi, Jyoti Sharma	Periwinkle Technologies Pvt. Ltd	Feb 2021 – Jan 2022
7.	Systematic Review of Evidence on the Cost - Effectiveness of Childhood Rota Virus Vaccination in Low and Middle Income Countries Especially India	Shomik Ray	Indian Council of Medical Research (ICMR)	Mar 2021 – Jan 2022
8.	Assessment of Integration of AYUSH System into Public Health System for Combating COVID-19	Tanica Lyngdoh, Sanjay Zodpey, Preeti Negandhi, Shomik Ray	Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH	Mar 2021 – Nov 2021

* The projects received the contract but not initiated and expected to receive funding in the FY 2022-23

Sr. No.	Project Title	Investigators	Funding Agency	Duration
9.	Assistance for Developing a District-Level COVID Response Model for Karnal, Haryana	Sanjay Zodpey, Himanshu Negandhi, Anjali Singh, Melina Magsumbol, Preeti Negandhi, Jyoti Sharma, Tanica Lyngdoh	Deloitte Touche Tohmatsu India LLP	Jun 2021 – Jul 2021
10.	Developing Health Equity Profile for India and Its 5 States - Assam, Chhattisgarh, Maharashtra, Odisha and Uttar Pradesh	Sanjay Zodpey, Preeti Negandhi, Jyoti Sharma, Anup Karan	World Health Organization - India	Jun 2021 – Nov 2021
11.	Development of a SEARO Human Resources for Health Leadership and Management Course	Sanjay Zodpey, Himanshu Negandhi, Anup Karan	World Health Organization – SEARO	Oct 2021 – Dec 2021

IIPH-Delhi Faculty as Co-Investigator in Ongoing Projects with PHFI / IIPHS /COEs

Sr. No.	Project Title	Investigators	Funding Agency	Duration
1.	A Validation Study of a Dietary Assessment Instrument Capturing Ultra-Processed Food Consumption in Multiple Countries	K S Reddy, Suparna Ghosh-Jerath	IMMANA Competitive Research Grants, London School of Hygiene & Tropical Medicine	Apr 2021 – Mar 2023
2.	Strengthening Primary Healthcare and Human Resources for Health (SHAHAR)	K S Reddy, Sanjay Zodpey, Shomik Ray, Jyoti Sharma, Saurav Basu, Preeti Negandhi, Neha Jain	Infosys Foundation	Oct 2021 – Mar 2023



IIPH-Delhi Faculty as Co-Investigator in Completed Projects with PHFI / IIPhs /COEs

Sr. No.	Project Title	Investigators	Funding Agency	Duration
1.	Assessment of Current ESI Beneficiary Behavior Regarding their Health Care Insurance	Sakthivel Selvaraj, Anup Karan	International Labour Organization (ILO)	Mar 2020 – Jun 2021
2.	External Evaluation for Control of Thalassemia and Sickle Cell Disease in Odisha	Dileep V Mavalankar, Mayur Trivedi, Preeti Negandhi, Jyoti Sharma	Department of Science and Technology (DST)	Mar 2021 – Jun 2021
3.	Monitoring and Tracking of COVID-19 Epidemiological Indicators for SEARO Countries	Giridhar Babu, Tanica Lyngdoh, Ranjana Singh, Ambarish Dutta, Gina Sharma, Surabhi Pandey	World Health Organization – SEARO	Feb 2021 – Mar 2022
4.	Preparing a Strategy and Blue Print for the Universalization of Health Care in Chhattisgarh	K S Reddy, Anup Karan, Priscilla N	Professional Development Associates	Jun 2021 – Sep 2021
5.	Operational Research Capacity Building	GVS Murthy, Rajan Shukla, Samiksha Singh, Suresh Rathi	Seva Foundation	Oct 2021 – Dec 2021
6.	NO-Fever	GVS Murthy, Rajan Shukla, Samiksha Singh	Dr. Reddy's Laboratories Limited	Oct 2021 – Dec 2021

Publications (April 2021 - March 2022)

Journal Articles	Books / Chapters in Book / Monographs	Policy Briefs
31	1	None

Publications

Journal Articles

1. Walia GK, Saini S, Vimal P, Bhatia K, Kumar A, **Singh R**, Prabhakaran D, Gupta V. Association of MC4R (rs17782313) gene polymorphism with obesity measures in Western India. *Diabetes Metab Syndr*. 2021; 15(3):661-65.
2. Bhattacharjee NV, Schaeffer LE, Hay SI, Local Burden of Disease Exclusive Breastfeeding Collaborators, Dandona L, Dandona R, Kumar GA, **Zodpey SP**. Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000-2018. *Nat Hum Behav*. 2021; 5(8):1027-45.
3. **Ghosh-Jerath S**, Kapoor R, Ghosh U, Singh A, Downs S, Fanzo J. Pathways of Climate Change Impact on Agroforestry, Food Consumption Pattern, and Dietary Diversity Among Indigenous Subsistence Farmers of Sauria Paharia Tribal Community of India: A Mixed Methods Study. *Front Sustain Food Syst*. 2021; 5(174).
4. ICMR Serosurveillance Group members, coordinators: S, Babu GR, **Zodpey SP**. SARS-CoV-2 antibody seroprevalence in India, August-September, 2020: findings from the second nationwide household serosurvey. *Lancet Glob Health*. 2021; 9(3):e257-e66.
5. Agarwal A, **Zodpey SP**, Garg S. Editorial: Restructure Health Systems to Address Equity, Responsiveness, Accountability and Community Engagement. *International journal of health systems and implementation research*. 2021; 5(1):1-11.
6. Mehta K, **Zodpey SP**, Banerjee P, Pocius SL, Dhaliwal BK, DeLuca A, Bhattacharya SD, Hegde S, Sengupta P, Gupta M, Shet A. Shifting research priorities in maternal and child health in the COVID-19 pandemic era in India: A renewed focus on systems strengthening. *PLoS One*. 2021; 16(8):e0256099.
7. Kadam S, Panda B, Nallala S, Pati S, Hussain MA, Salunke S, **Zodpey SP**. Repackaging Primary Healthcare in Odisha: Can 'Task Shifting' to AYUSH Doctors Address Human Resources Deficit? *Journal of Health Management*. 2021; 23(3):521-30.
8. Sharma SK, Rathod PG, Ukey UU, Narlawar UW, **Zodpey SP**. Sero prevalence of SARS-CoV-2 in general population of Nagpur district. *Int J Community Med Public Health*. 2021; 8(8):3952-7.
9. Pandey S, **Devasenapathy N**, Sinha S, **Zodpey SP**, Bhargava SK, Sachdev HPS, Osmond C, Fall CHD. Childhood Head Growth and Educational Attainment in an Indian Cohort. *Indian Pediatr*. 2021; e12584.
10. Bably MB, Laditka SB, Mehta A, **Ghosh-Jerath S**, Racine EF. Timing and factors associated with complementary feeding in India. *Health Care Women Int*. 2021; 1-14.
11. Carrasco-Labra A, Devji T, Qasim A, Phillips MR, Wang Y, Johnston BC, **Devasenapathy N**, Zeraatkar D, Bhatt M, Jin X, Brignardello-Petersen R, Urquhart O, Foroutan F, Schandelmaier S, Pardo-Hernandez H, Hao Q, Wong V, Ye Z, Yao L, Vernooij RWM, Huang H, Zeng L, Rizwan Y, Siemieniuk R, Lytvyn L, Patrick DL, Ebrahim S, Furukawa TA, Nesrallah G, Schunemann HJ, Bhandari M, Thabane L, Guyatt GH. Minimal important difference estimates for patient-reported outcomes: A systematic survey. *J Clin Epidemiol*. 2021; 133:61-71.

12. Kumar H, Bhat A, Alwadhi V, Maria A, Khanna R, **Neogi SB**, Khera A. An Assessment of Implementation of Family Participatory Care in Special Newborn Care Units in Three States of India. *Indian Pediatr.* 2021; 58(4):349-53.
13. Kumar H, Bhat AA, Alwadhi V, Khanna R, **Neogi SB**, Choudhry P, Prabhakar PK. Special Newborn Care Plus Project in India: Preliminary Findings from Community based Follow-up of Newborns Discharged from Facilities. *Indian Pediatr.* 2021; 58(4):354-7.
14. Malik IV, **Devasenapathy N**, Kumar A, Dogra H, **Ray S**, Gautam D, Malhotra R. Estimation of Expenditure and Challenges Related to Rehabilitation After Knee Arthroplasty: A Hospital-Based Cross-Sectional Study. *Indian J Orthop.* 2021; 55(5):1317-1325.
15. Mathur MR, **George MS**, Nagrath D, Watt RG. Exploring the perceptions, attitude and experiences of adolescents, their parents and teachers towards sugar sweetened beverages consumption in the National Capital Region of Delhi. *Indian J Dent Res.* 2021; 32(1):39-43.
16. Reddy KS, **Ghosh-Jerath S**, Sadanandan R. Health policy and systems research: ethical challenges in co-production of knowledge. *BMJ.* 2021; [Epub ahead of print].
17. Selvaraj S, **Karan AK**, Mao W, **Farooqui HH**, Bharali I, Kumar P, Ogbuaji O, Chaudhuri C. Did the poor gain from India's health policy interventions? Evidence from benefit-incidence analysis, 2004–2018. *Int J Equity Health.* 2021; 20(1):159.
18. **Sharma J**, Ludin H, Chauhan M, **Zodpey SP**. Public health nutrition in Afghanistan-policies, strategies and capacity-building: current scenario and initiatives. *East Mediterr Health J.* 2021; 27(7):728–37.
19. Tainio M, Jovanovic Andersen Z, Nieuwenhuijsen MJ, Hu L, de Nazelle A, An R, Garcia LMT, **Goenka S**, Zapata-Diomedes B, Bull F, Sá THd. Air pollution, physical activity and health: A mapping review of the evidence. *Environ Int.* 2021; 147:105954.
20. **Zodpey SP, Basu S**. A rapid review of digital health technology for combating Covid-19 pandemic with a focus on strengthening primary health care. *EFI Bulletin (Bulletin of Epidemiology Foundation of India).* 2021; 2(3):12-15.
21. **Zodpey SP, Negandhi PH**. Leadership Development for Strengthening the Health System in India. *Health and Population: Perspectives and Issues.* 2021; 44(3):109-115.
22. **Zodpey SP, Negandhi H**, Kamal VK, Bhatnagar T, Ganeshkumar P, Athavale A, Kadri A, Patel A, Bhagyalaxmi A, Khismatrao D, Theranirajan E, Banumathi G, Singh K, Parameshwari P, Kshirsagar P, Saxena R, Deshpande SG, Satyanand K, Hadke S, Dube S, Subramaniam S, Madan S, Kadam S, Anand T, Jeyashree K, Ponnaiah M, Rana M, Murhekar MV, Reddy D. Determinants of severity among hospitalised COVID-19 patients: Hospital-based case-control study, India, 2020. *PLoS One.* 2021; 16(12):e0261529.
23. Sharma P, Chawla R, **Basu S**, Saxena S, Mariam W, Bharti PK, Rao S, Tanwar N, Rahman A, Ahmad M. Seroprevalence of SARS-CoV-2 and Risk Assessment Among Healthcare Workers at a Dedicated Tertiary Care COVID-19 Hospital in Delhi, India: A Cohort Study. *Cureus.* 2021; 13(12):e20805.

24. Piraveenan M, Sawleshwarkar S, Walsh M, Zablotska I, Bhattacharyya S, **Farooqui HH**, Bhatnagar T, **Karan A**, Murhekar M, Zodpey S, Rao KSM, Pattison P, Zomaya A, Perc M. Optimal governance and implementation of vaccination programs to contain the COVID-19 pandemic. *R. Soc. open sci.* 2021; 8210429210429.
25. Rasmussen B, Maharaj N, **Karan A**, Symons J, Selvaraj S, Kumar R, Kumnick M, Sheehanet P. Evaluating interventions to reduce child marriage in India. *Journal of Global Health Reports.* 2021; 5:e2021044.
26. Pattnaik N, Ansari AH, Chakraborty P, **Devasenapathy N**. Use and assessment of knowledge of Vitamin K antagonist therapy in cardiac patients: A tertiary care hospital-based survey. *J Pract Cardiovasc Sci.* 2021; 7:158-67.
27. Snehil P, Ansari AH, Chakraborty P, **Devasenapathy N**. Challenges in Timely Pharmacological Reperfusion Therapy of Acute ST-Elevation Myocardial Infarction Patients: A Cross-sectional Study. *J Clin Diagn Res.* 2021; 15(9):25-31.
28. Malik B, **Farooqui HH**, Bhattacharyya S. Disparity in socioeconomic status explains the pattern of selfmedication of antibiotics in India: understanding from game-theoretic perspective. *R.Soc.Open Sci.* 2022; 9:211872.
29. **Neogi SB**, John D, **Sharma J**, Kar R, Kar SS, Bhattacharya M, Tiwari K, Saxena R. Cost-effectiveness of point-of-care devices for detection of anemia in community settings in India. *Clinical Epidemiology and Global Health.* 2022; 14:1100995.
30. Sinha A, Bisoi S, **Zodpey SP**. Dementia friendly community: Concept to implementation. *Indian J Community Med.* 2022; 47(1):1-3.
31. Mulchandani R, Babu GR, Kaur A, **Singh R**, **Lyngdoh T**. Factors associated with differential COVID-19 mortality rates in the SEAR nations: a narrative review. *IJID Regions.* 2022; 3:54–67.

Books / Chapters in Book / Monographs

1. **Goenka S**, Devarajan R, Active transportation – the missing part of the puzzle for physical activity promotion in India. In: Editors Siefken K, Varela AR, Waqanivalu T, Schulenkorf N. *Physical Activity in Low and Middle Income Countries.* Taylor & Francis, Routledge; 2021

Research Engagement of PhD Scholars at IIPH-Delhi

Project Title	PhD Candidate Name	Collaborator	Supervisor / Co-supervisors
2014-16			
Studying the Neuro Cognitive Effects of Statin Use among Adult Indian Dyslipidemic Patients	*Ms Rubina Mulchandani	Safdarjung Hospital	Dr Tanica Lyngdoh Dr Sheetal Gandotra Dr H S Isser Dr R K Dhamija
2015-17			
Health Technology Assessment of Chemotherapeutic drugs used in Imatinib Resistance Chronic Myeloid Leukemia	Ms Anjana Agarwal	Associated with HTAI Secretariat, Department of Health Research, Ministry of Health and Family Welfare	Dr Gagandeep Kaur Walia Mr Shomik Ray Dr Anurag Agrawal Dr Kavitha Rajsekar Dr Habib Hasan
Genetics of Lipid Levels in Indian Population	Ms Ruchita Jalal	Associated with Indian Migration Study (IMS)	Dr Gagandeep Kaur Walia Dr Tanica Lyngdoh Dr G R Chandak
Genetics of Adiposity among Indians	Ms Tripti Agarwal	Associated with Indian Migration Study (IMS)	Dr Gagandeep Kaur Walia Dr Tanica Lyngdoh Dr G R Chandak

*She was awarded the Council for Scientific and Industrial Research-Senior Research Fellowship (CSIR-SRF) in February 2021. Her proposal was shortlisted in the application round for the 'Medical and Pharmaceutical Sciences' subject category. She was one of the 21 applicants from all over India, who were finally selected for the SRF. She has also bagged the 1st prize in the 'Talk Your Thesis' competition at the India Science Festival, a flagship event under the science communication vertical of the Foundation for Advancing Science and Technology (FAST-India), in February 2022. She was also invited by 'Talk to a Scientist-India (TTAS)', to deliver a session titled 'Epidemiology for Kids' in April 2022.



Students Publications

Journal Articles

1. Walia GK, Saini S, **Vimal P**, Bhatia K, Kumar A, Singh R, Prabhakaran D, Gupta V. Association of MC4R (rs17782313) gene polymorphism with obesity measures in Western India. *Diabetes Metab Syndr*. 2021; 15(3):661-65.
2. **Malik IV**, Devasenapathy N, Kumar A, Dogra H, Ray S, Gautam D, Malhotra R. Estimation of Expenditure and Challenges Related to Rehabilitation After Knee Arthroplasty: A Hospital-Based Cross-Sectional Study. *Indian J Orthop*. 2021; 55(5):1317-1325.
3. Mathur MR, George MS, **Nagrath D**, Watt RG. Exploring the perceptions, attitude and experiences of adolescents, their parents and teachers towards sugar sweetened beverages consumption in the National Capital Region of Delhi. *Indian J Dent Res*. 2021; 32(1):39-43.
4. **Pattnaik N**, Ansari AH, Chakraborty P, Devasenapathy N. Use and assessment of knowledge of Vitamin K antagonist therapy in cardiac patients: A tertiary care hospital-based survey. *J Pract Cardiovasc Sci*. 2021; 7:158-67.
5. **Snehil P**, Ansari AH, Chakraborty P, Devasenapathy N. Challenges in Timely Pharmacological Reperfusion Therapy of Acute ST-Elevation Myocardial Infarction Patients: A Cross-sectional Study. *J Clin Diagn Res*. 2021; 15(9):25-31.
6. **Mulchandani R**, Babu GR, Kaur A, Singh R, Lyngdoh T. Factors associated with differential COVID-19 mortality rates in the SEAR nations: a narrative review. *IJID Regions*. 2022; 3:54-67.

Paper / Poster Presentation by Students

1. **Agarwal T**. Biological dissection of Adiposity – Overall Vs Central Adiposity. Indian Anthropology Congress 2021 'Anthropology: Theory to Application, 21-23 February 2021, New Delhi, India.
2. **Jalal R**. Genetic association study of CHRNA5, CHRNA3|CHRNA4 and RGS17 with tobacco consumption in India. Indian Anthropology Congress 2021 'Anthropology: Theory to Application, 21-23 February 2021, New Delhi, India.
3. **Agarwal T**. Association between Lipid Traits and Glycemic Traits: Cluster Effect or Individual Effect? Anthropology in 21st Century and Beyond, 9-11 February 2022, New Delhi, India.



Contingent Evaluation during one of the WHO funded project



ADARSH staff collecting data at district Hospital, Bhubaneswar. The project is funded by Bill and Melinda Gates Foundation

Human Resource

Our employees are our greatest asset. Faculty members at IIPH-Delhi have a multi-disciplinary professional background ranging from Public Health, Community Medicine, Epidemiology, Health Management, Biostatistics, Health Economics, Health Policy, Health Social Sciences, Anthropology and Public Health Nutrition. Such a multidisciplinary team representing major public health disciplines, with a broad range of technical and academic expertise enables us to adopt a multidimensional perspective in our activities. The program and operations staff including administrative and support staff assist in the institutional activities. The faculty members are allocated among five departments namely,

- Epidemiology, Biostatistics and Demography
- Social & Behavioural Sciences (incorporating Health Communication & Promotion)
- Health Economics, Financing and Public Policy
- Health Services Management (incorporating Reproductive & Child Health and Nutrition)
- Environmental & Occupational Health (including Urban Health)

List of Faculty at IIPH-Delhi

Sr. No.	Name	Designation	Educational Qualification
1.	Prof Sanjay Zodpey	Vice President – PHFI & Director – IIPH-Delhi	MD (Preventive and Social Medicine), PhD (Epidemiology), MA (Sociology), MA (Public Administration) & MA (Economics)
2.	Dr Shifalika Goenka	Professor & Head – Public Health Ethics	MBBS & PhD (AIIMS)
3.	Dr Suparna Ghosh Jerath	Professor & Head-Community Nutrition	PhD (Food & Nutrition), APD & AN (Australia)
4.	Dr Jyoti Sharma	Additional Professor	PhD (Nutrition), MSc (Public Health)
5.	Dr Anup Karan	Additional Professor	MA (Economics), PhD (Public Health Economics)
6.	Dr Habib Hasan Farooqui	Additional Professor	MD (Community Medicine)
7.	Dr Himanshu Negandhi	Project Director and Adjunct Additional Professor	MD (Community Medicine) & M. Med. (Clinical Epidemiology)
8.	Dr Preeti Negandhi	Additional Professor	MD (Preventive & Social Medicine) & MSc (Public Health Research)
9.	Dr Samiksha Singh	Additional Professor	MD (Community Medicine) PhD (Epidemiology and Population Health)
10.	Mr Shomik Ray	Associate Professor	PGDBM & MPH

Sr. No.	Name	Designation	Educational Qualification
11.	Dr Ranjana Singh	Associate Professor	Msc (Statistics), MPS, PhD (Population Studies) & MPH (Biostatistics)
12.	Dr Surabhi Pandey	Associate Professor	PhD (Mathematics)
13.	Dr Saurav Basu	Assistant Professor	MD (Community Medicine), DNB (Social & Preventive Medicine)



Faculty Members at IIPH-Delhi

List of Programme & Operations Staff at IIPH-Delhi

Sr. No.	Name	Designation	Educational Qualification
1.	Mr Naresh Luthra	Assistant Manager – Administration	MBA (HR), M Com & ICWA (Intermediate)
2.	Mr Shailesh Kumar	Assistant Manager–Finance	BSc Math (Hons.) & ICWA (Intermediate)
3.	Ms Tanuja Bhandari	Assistant Manager – Trainings	BCom, PG Diploma in Advanced Business Secretaryship
4.	Ms Priya Chitkara	Executive Secretary to Director IIPH-Delhi and Project Associate- ADARSH Project	BCom, MBA (Project Management)
5.	Mr Vaibhav Asthana	Senior Officer-Research Administration	BA (Economics) , CDAC
6.	Mr Ajay Bir Singh Solanki	Senior Program Officer	Masters in Social Work, Masters in Computer and Management
7.	Ms Kanika Oberoi	Senior Programme Officer- (eLearning)	Bsc, MSc (Statistics)
8.	Ms Nikita Soni	Programme Officer – eLearning	Masters in Social work
9.	Mr Deepak Singh	Librarian	Master of Library & Information Science
10.	Mr Arun Kumar	Finance Officer	MBA (Marketing and IT)
11.	Mr Yogesh Kumar	Senior Executive – ICT	Msc (Information Technology), MCA, MCSA
12.	Mr Brij Mohan	Office Assistant	10th Completed
13.	Mr Satish Kumar	Office Assistant	12th Completed
14.	Mr Sadhan Das	Office Assistant	
15.	Mr Suresh Kumar	Driver	



Programs and Operations Team at IIPH-Delhi

IIPH-Delhi Advisory Council Members

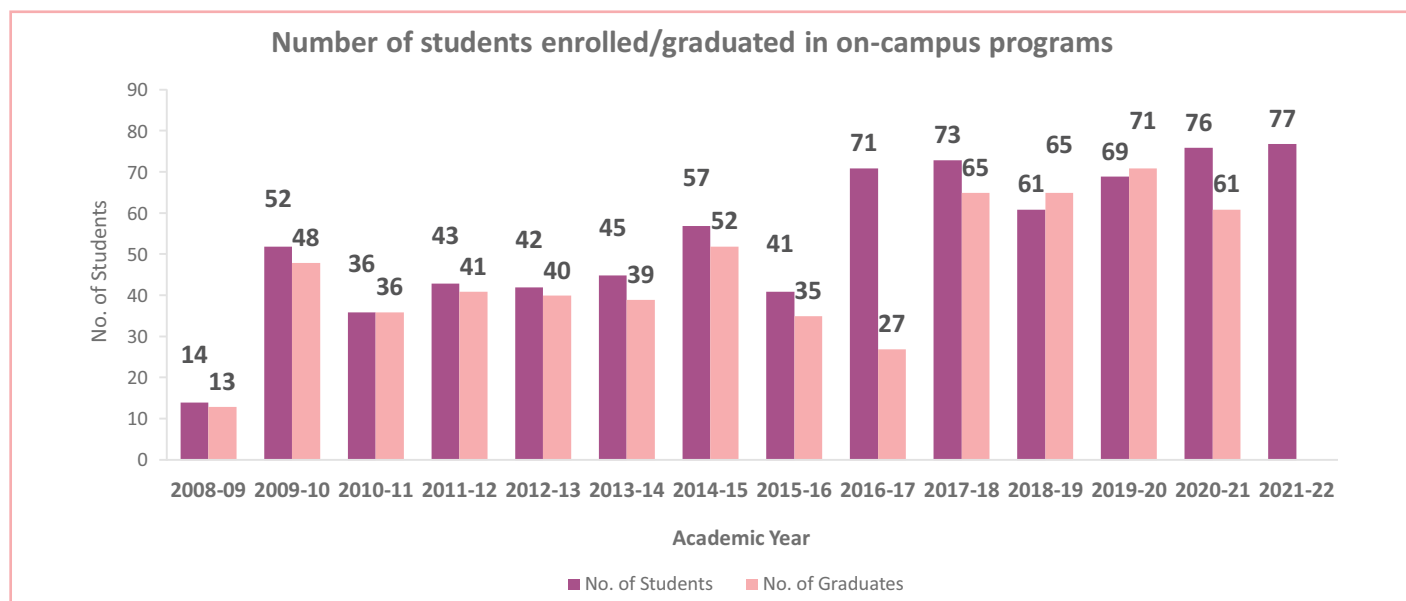
Sr. No.	Name	Designation & Affiliation
1.	Shri. J.V.R Prasada Rao (Chair)	Former Health Secretary, Government of India
2.	Shri Rajiv Arora, IAS	Additional Chief Secretary, Health and Family Welfare, Government of Haryana
3.	Dr Biju Soman	Professor & Associate Dean (Health Sciences), Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
4.	Dr. Harshad P. Thakur	Professor, Centre for Public Health, School of Health System Studies, Tata Institute of Social Sciences
5.	Dr Shantanu Sen Gupta	Sr. Principal Scientist, Cardiovascular Disease Biology, IGIB Professor & Dean, Biological Sciences, Academy of Scientific and Innovative Research
6.	Prof. Suneeta Mittal	Director & Head, Department of Obstetrics & Gynecology, Fortis Memorial Research Institute, Gurgaon, Haryana
7.	Prof. RM Pandey	Professor & Head, Department of Biostatistics, All India Institute of Medical Sciences, New Delhi
8.	Prof. David Heymann	Professor of Infectious Disease Epidemiology at LSHTM and Head of the Centre on Global Health Security at Chatham House, London
9.	Prof. Madhumita Dobe	Director-Professor (Public Health), All India Institute of Hygiene & Public Health, Kolkata
10.	Dr. Sanjay Mehendale	Director Research, PD Hinduja Hospital and Medical Research Center, Mumbai
11.	Prof K. Srinath Reddy	President, PHFI, New Delhi
12.	Prof. Sanjay Zodpey	Director, IIPH-Delhi, New Delhi

IIPH-Delhi Journey Since Inception

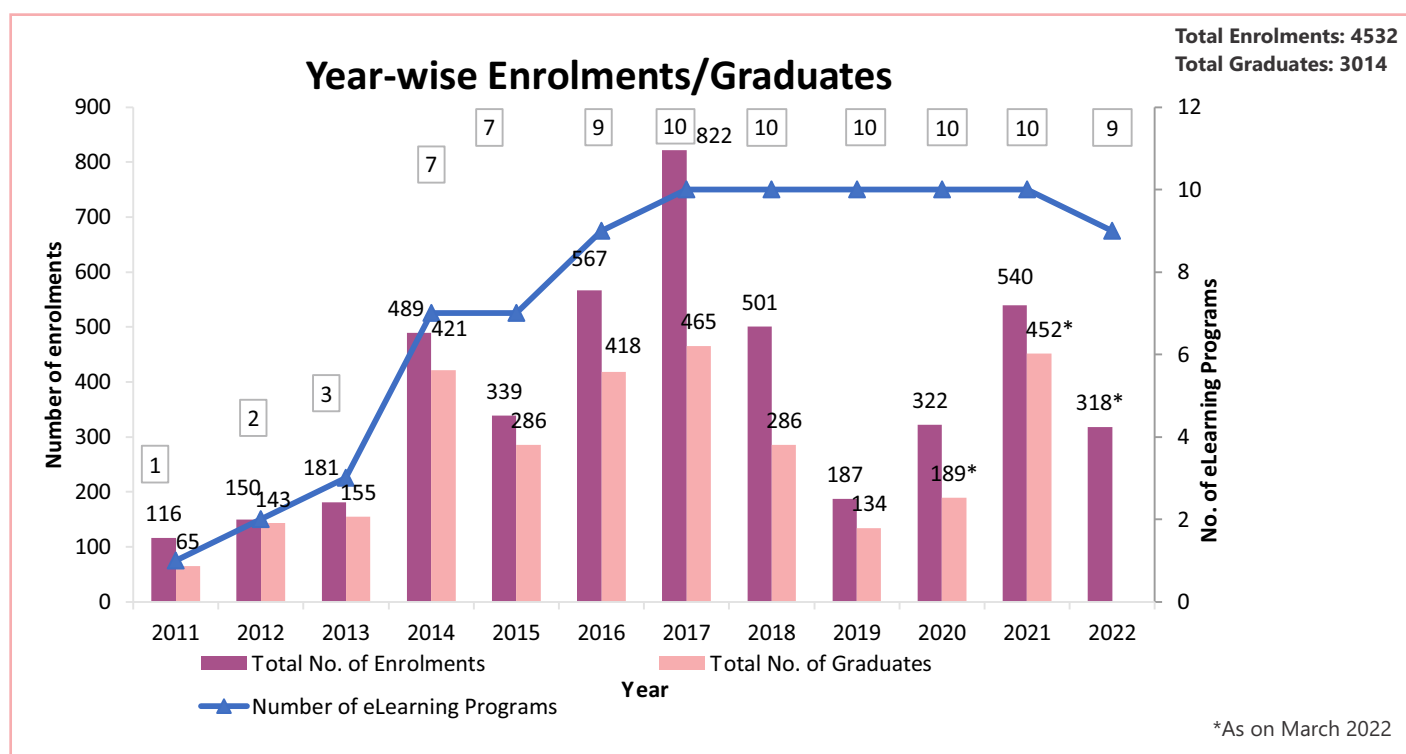
November 2008 - March 2022

Academic Programs

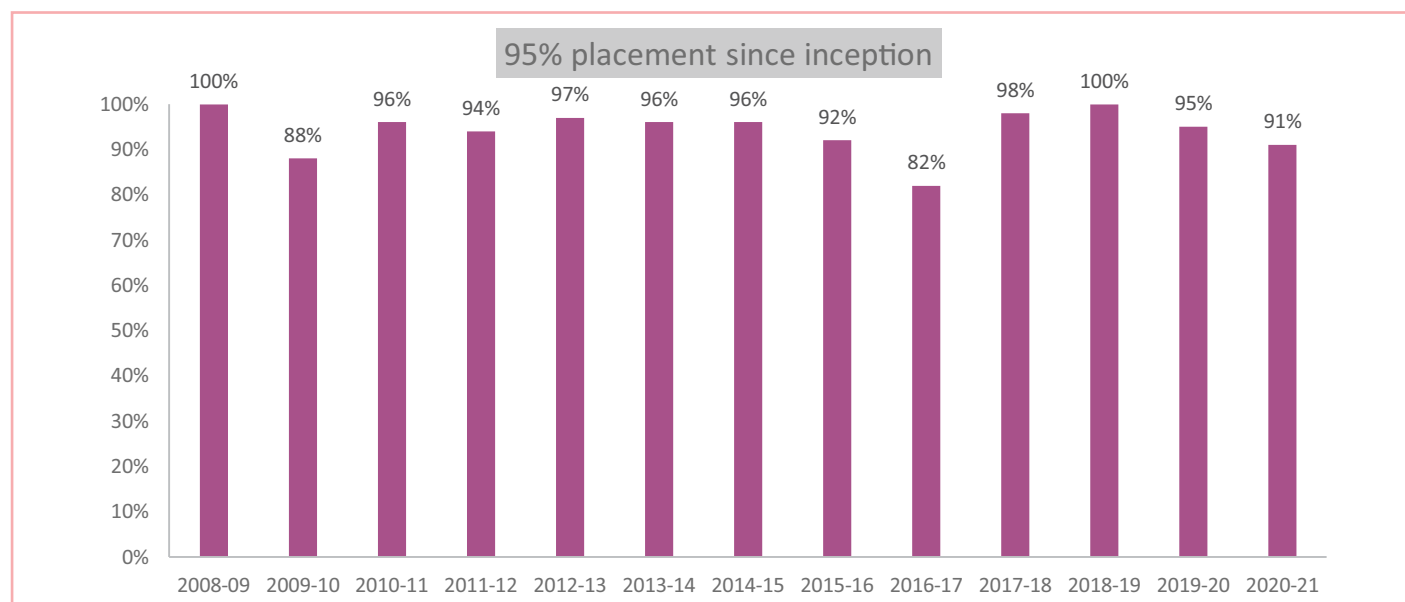
On-Campus Programs (2008-09 to 2021-22)



eLearning Programs 2011-22



Year wise placement details of self-sponsored students

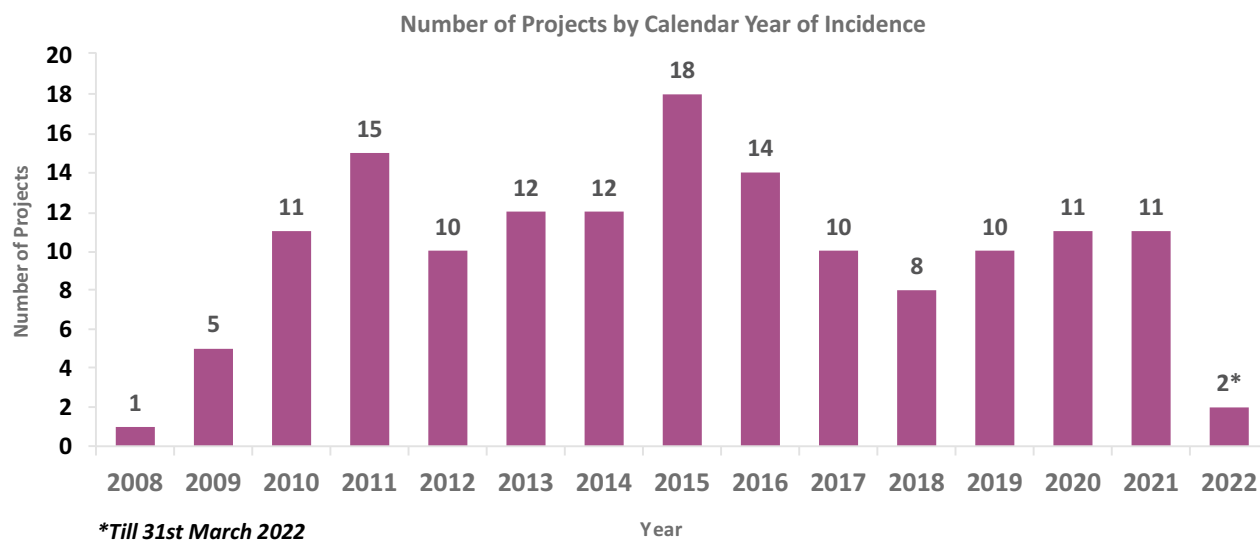


Short-term Training and Workshops

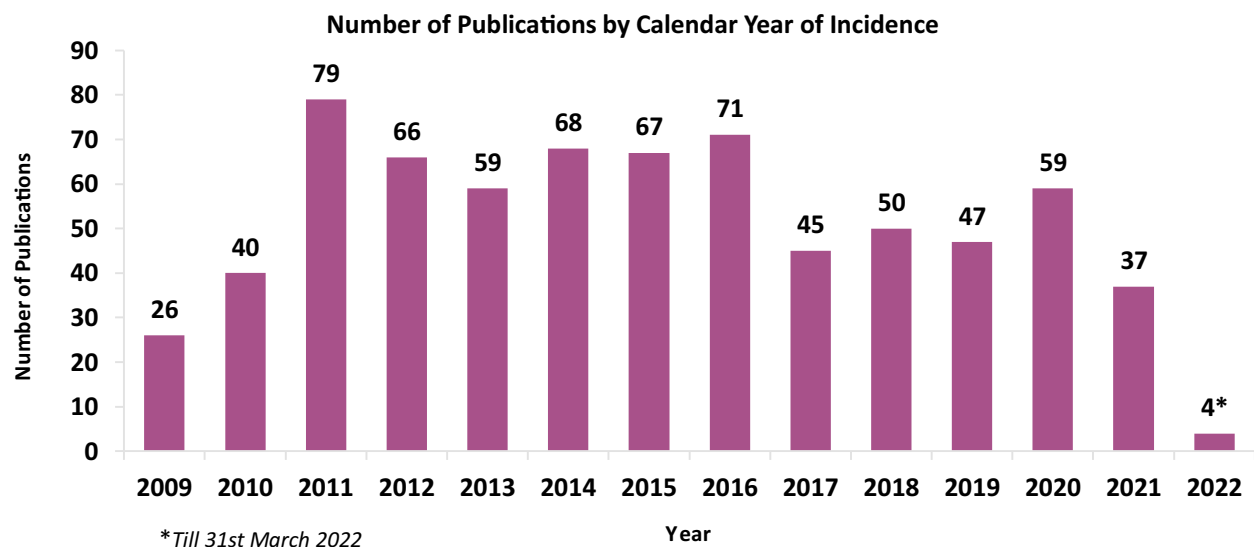


Research

Projects (November 2008-March 2022)



Publications (November 2008-March 2022)



Summary: IIPH-Delhi's journey so far

- Graduates of On-campus programs: **593**
- Funded projects: **150** (140 completed and 10 on-going)
- Journal Publications: **718**
- Short-term training conducted: **428**, Participants **9869**
- Graduates of eLearning Program: **3014** (+318* currently enrolled)



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