



# Foundation of Healthcare Technologies Society

New Blessing Through Technology Empowered Reforms

A MONTHLY NEWSLETTER FROM FOUNDATION OF HEALTHCARE TECHNOLOGIES SOCIETY

Dear All,

I welcome you to the June, 2022 issue of “Population Health Research, Innovation, Skills and Entrepreneurship (PHRISE)” newsletter. The pandemic has brought forth in our FHTS family coping, adaptability, resilience, and empathy to enhance the health of the populations.

We highlight some of the innovative initiatives aimed to address 21st century population health challenges. We highlight our research initiatives & range of opportunities to provide a platform facilitating knowledge exchange across diverse stakeholders. Our aim is to aggregate and summarize the critical highlights and demonstrate impact that FHTS is making to address equity through the lens of population health.

I hope you find this issue informative and engaging and look forward to sharing more about our research activities and contributions in our upcoming newsletter. I want to congratulate the entire team of FHTS for their perseverance, flexibility, innovation and resilience.



*Ashish Joshi*

**ASHISH JOSHI PHD, MBBS, MPH**

# FHTS INSTITUTIONAL COLLABORATIONS & PARTNERSHIPS

Foundation of Healthcare Technologies society laid its foundation stone on 24th March'2012. Limited resources and manpower were never a constraint to kick start the operations as passion and dedication of Dr. Ashish Joshi were unstoppable. With expanding research activities, community outreach, experiential learning opportunities for students, institutional collaborations too started to roll on. FHTS trained 150+ medical students of Saveetha Medical college, Chennai, Tamil Nadu for a certificate program in Operation Research in Population Health in 2012. From 2014 to 2018, FHTS worked on several ICMR funded projects with various Medical colleges and educational institutes. In 2019, launched first of its kind Phd – Population Health Informatics Program in collaboration with DIT University, Dehradun, Uttarakhand. Another milestone of collaboration was establishment of research lab in Govt. Doon medical college in Nov'2019. FHTS commenced Operational Research Program for medical and nursing students of Panimalar Medical College Hospital and Research Institute, Chennai, Tamil Nadu and established country's first SMAART Population Health Informatics centre in 2020 with an aim to design, develop and evaluate digital health interventions even in times of COVID-19. A certificate program in Nutrition Informatics was launched in 2021 in collaboration with St Ann's College for women, Hyderabad. In 2022, FHTS has been funded by ICMR for four grants in partnership with AIIMS Rishikesh, AIIMS Gorakhpur, National Institute of Pathology and SRISIIM and is working with Parul University, Gujarat to start certificate, post graduate programs in addition to starting PhD in Public Health with specialization in Health Policy and Leadership. The journey of collaborations has just begun. FHTS aims to build Pan India collaborations with medical colleges, educational institutions, hospitals, community organizations and schools.



Collaborator	State
AIIMS,Rishikesh	Uttarakhand
Indira Gandhi Medical College & Hospital, Shimla	Himachal Pradesh
Garhwal Community Development & welfare Society, Tehri Garhwal	Uttarakhand
Apollo Institute of Medical Sciences & Research ,Andhra Pradesh	Andhra Pradesh
National Institute of Epidemiology Chennai	Tamil Nadu
Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi	Delhi
IIHMR University, Jaipur	Rajasthan
Indian council of Medical Research	Delhi
National Institute of Pathology, New Delhi	Delhi
SRISIIM, New Delhi	Delhi
Dr. Rajendera Prasad Government Medical College, Tanda	Himachal Pradesh
AIIMS, Gorakhpur	Uttar Pradesh
Postgraduate Institute of Medical Education & Research ,Chandigarh	Chandigarh
S.C.B. Medical College & Hospital, Cuttack	Odisha
St. Ann's College for Women, Hyderabad	Telangana
Panimalar Medical College Hospital & Research Institute Chennai	Tamil Nadu
Dehradun Institute of Technology, Dehradun	Uttarakhand
Government Doon Medical college, Dehradun	Uttarakhand
University of Delhi, New Delhi	Delhi
Parul University, Vadodara	Gujarat
Saveetha Medical College & Hospital, Chennai	Tamil Nadu

# PROJECTS WITH PARTNERS AND COLLABORATORS

PROJECT: A Diagnostic Decision Support Tool for early detection and management of COVID-19 infection.

COLLABORATOR: AIIMS, Rishikesh

YEAR - 2022

PROJECT: Digital Health Intervention to enhance self-management of Metabolic Syndrome (MetS) among adults living in urban poor settings.

COLLABORATOR: Indian council of Medical Research, National Institute of Pathology, New Delhi

YEAR - 2022

PROJECT: Design and develop social vulnerability index dashboard in an Indian setting.

COLLABORATOR: SRISIIM, New Delhi

YEAR - 2022

PROJECT: Evaluating impact of digital health interventions to enhance physical and mental well-being of individuals living in urban slums of New Delhi.

COLLABORATOR: AIIMS, Gorakhpur

YEAR - 2022

PROJECT: Certificate in Health and Nutrition Informatics

COLLABORATOR: St. Ann's College for Women, Hyderabad

YEAR-2021

PROJECT: Operational Research in Population Health for Medical and Nursing students & Establishment of SMAART Informatics Lab

COLLABORATOR: Panimalar Medical College Hospital & Research Institute  
Chennai

YEAR-2020

# PROJECTS WITH PARTNERS AND COLLABORATORS

PROJECT: PhD in Population Health Informatics

COLLABORATOR: Dehradun Institute of Technology, Dehradun

YEAR - 2019

PROJECT: Research Lab

COLLABORATOR: Government Doon Medical college, Dehradun

YEAR-2019

PROJECT: A community-based pragmatic, controlled trial for prevention and reduction of oral diseases among children at the Anganwadi Centres located in peri-urban areas of Chandigarh and rural parts of Cuttack, Orissa.

COLLABORATOR: Postgraduate Institute of Medical Education & Research, Chandigarh , S.C.B. Medical College & Hospital, Cuttack

YEAR-2018

PROJECT: Integrated Road Traffic Injury Surveillance: National Task Force.

COLLABORATOR: Garhwal Community Development & welfare Society, Tehri

Garhwal, Apollo Institute of Medical Sciences & Research , Andhra Pradesh,

National Institute of Epidemiology Chennai, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, IIHMR University, Jaipur

YEAR -2017

PROJECT: Design and Evaluation of a Personalized Human centred Dietary

Decision Support System Randomized controlled trial to evaluate effectiveness of mobile enabled decision support tool to support healthy eating among diabetic patients living in rural and urban settings in the state of Himachal Pradesh.

COLLABORATOR: Dr. Rajendera Prasad Government Medical College, Tanda

YEAR-2017

PROJECT: Mobile/Internet enabled school-based surveillance of Rheumatic Fever and Rheumatic Heart Disease (RF/RHD).

COLLABORATOR: Indira Gandhi Medical College & Hospital, Shimla

YEAR-2014

# PUBLICATIONS

**Examine the impact of COVID-19 Vaccine Communication, Acceptance and Practice (CO-VIN-CAP) on Vaccine hesitancy in an Indian setting: Protocol for a Cross-Sectional Study.**

Ashish Joshi, Krishna Mohan Surapaneni, Mahima Kaur, Ritika Kaur, Ashoo Grover.

Frontiers in Public health. 2021; 2021 May 13: 10(6):e29733.

**Effect of personalized human-centered dietary decision support system (PHCDDSS) on dietary knowledge, attitude, practice (KAP), and mean fasting blood sugar (FBS) among participants with type 2 diabetes mellitus (T2DM) in community-based settings of northern state of India.**

Ashish Joshi, Dinesh Kumar, Ashoo Grover, Sunil Raina, Ashok Kumar Bhardwaj, Bhavya Malhotra, Shruti Sharma.

Journal of Diabetology. 2021; Volume: 12, Issue: 3: 338-343.

**Designing and Evaluating a Personalized, Human-Centered Dietary Decision Support System for Use Among People With Diabetes in an Indian Setting: Protocol for a Quasi-Experimental Study.**

Ashish Joshi, Dinesh Kumar, Ashok Bhardwaj, Shruti Sharma, Bhavya Malhotra, Chioma Amadi-Mgbenka, Ashoo Grover.

JMIR Publications, Advancing Digital Health & Open Science. 2022; 2022 (Mar 08): 11(3):e13635.

**Research Publication Development and Implementation of Integrated Road Traffic Injuries Surveillance - India (IRIS-India): A Protocol.**

Bontha V. Babu, Kamalabai R. John, Ponnaiah Manickam, Jugal Kishore, Rajesh Singh, Daya K. Mangal, Ashish Joshi, Mohan Bairwa, Yogita Sharma.

ADVANCED JOURNAL OF EMERGENCY MEDICINE. 2019; 2020;4(\*):e\*:

**School-based surveillance for detection of children with acute pharyngitis, rheumatic fever/rheumatic heart disease in Shimla district, Himachal Pradesh, India-A cluster randomized controlled trial.**

Negi PC, Merwaha R, Rao S, Asotra S, Mahajan A, Joshi A.

Indian Heart J.. 2018; Dec; 70 Suppl 3: S74-S81.





## Addressing Social, Economic and Health Inequalities through Digital Health Interventions

IDEAS-CRG  
Inclusive, Diverse, Equitable, Accessible & Sustainable  
Collaborative Researchers Group

A Cross-Institutional collaboration to support Leadership & Educational Advancement in Public health (LEAP)

### Objective

A Cross-Institutional collaboration to support Leadership and Educational Advancement in Public health (LEAP)

### Goals

- Facilitate cross institutional and cross sector collaboration to enhance public health education, research and practice.
- Foster public health research across multiple sites to enhance good health and well-being.
- Generate new knowledge through innovative and entrepreneurial public health innovations, interventions, programs and policies using data driven, and evidence-based approaches

### Opportunities

- Collaborate on research projects and research publications
- Contribute towards skill-building workshops
- Opportunity to submit joint collaborative proposals
- Experiential learning opportunities for students and practitioners





**PANIMALAR MEDICAL COLLEGE HOSPITAL & RESEARCH INSTITUTE,  
VADODARA**



**GOVERNMENT DOON MEDICAL COLLEGE  
DEHRADUN**



**PARUL INSTITUTE OF PUBLIC HEALTH, PARUL UNIVERSITY  
CHENNAI**



**ST. ANNS COLLEGE FOR WOMEN  
HYDERABAD**



**MAULANA AZAD MEDICAL COLLEGE  
DELHI**



**DELHI UNIVERSITY  
DELHI**



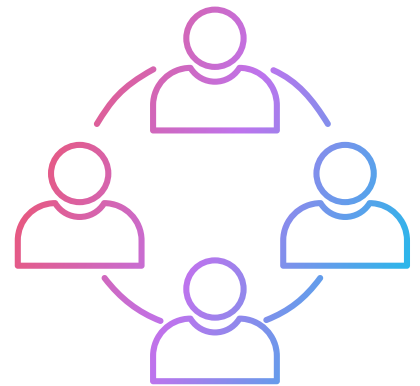
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
RISHIKESH**



**CUNY GRADUATE SCHOOL OF PUBLIC HEALTH & HEALTH POLICY  
NEWYORK**



**MACQUARIE UNIVERSITY  
AUSTRALIA**





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# CORE TEAM

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**MANSI GUPTA**  
Foundation of Healthcare Technologies Society  
Community Outreach and Institutional Collaborations Manager  
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A Seminar on Nutrition Informatics by Dr. Joshi at University of Delhi  
Dr. Ashish Joshi and FHTS team with students and faculty of Department of Anthropology, University of Delhi. A seminar was conducted on Nutrition Informatics by Dr. Joshi.



Visit to MAHE, Manipal, Karnataka  
Visit to Manipal Academy of Higher Education. Dr. Joshi had an interactive session with M.Sc. Data Sciences students.



Visit to PMCHRI, Chennai, Tamil Nadu  
Dr. Ashish Joshi, FHTS Team members and Faculty of Panimalar Medical College Hospital and Research Institute with 150 First year MBBS Students on 28th Feb'22. Students have successfully completed Certificate in Foundations of Research Methodology offered by FHTS in collaboration with PMCHRI.



Visit to PIPHPU, Vadodara, Gujarat  
Dr. Ashish Joshi's visit to Parul University on 24th Feb'22 after signing an MoU with Parul Institute of Public Health for fostering partnership in developing academic programs and research collaborations. Dr. Ashish Joshi had an interactive session with BPH and MPH students of Parul Institute of Public Health, Parul University on 26th Feb'22.



Visit to Techno Hub  
A visit to Techno hub for building collaboration for community initiatives and student experiential learning opportunities. Dr. Joshi had in-depth discussion with Dr. Reema Pant.



Visit to HNBUMU, Uttarakhand  
Dr. Ashish Joshi and team visited HNB Uttarakhand Medical Education University on 17th Feb'22 and met Vice Chancellor, Prof. (Dr.) Hem Chandra to foster collaboration for building joint collaborative programs.

Let's join hands to support Leadership and Educational Advancement in Public Health. Follow the link to collaborate with us :

<https://fhts.ac.in/collaborators/>

### Why collaborate with us?

- Data driven
- Evidence-based
- Community centered
- Solution oriented
- Outcomes based

### What types of collaborations?

- Research collaborations
- Design and development of Human centered Interventions
- Experiential Learning opportunities
- Community outreach initiatives
- Publications and policy briefs

### Our Guiding Principles

- User centric
- Thinking innovatively
- Research driven Entrepreneurship
- Sustainable solutions

### Who can be our collaborators?

- Academic institutes
- Community organizations
- Start ups
- Thinkers, strategists, innovators

