

FUNDAMENTALS OF POPULATION HEALTH RESEARCH

Explore the Why Behind Health. Lead the How for Change.

Certificate Program



Foundation of Healthcare Technologies Society
New Blessings Through Technology Empowered Reforms

Certified as a Scientific & Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), New Delhi, Govt. of India.
Registration No.: S/877/SDM/NW/2012

Delhi | Uttarakhand | Tamil Nadu | Haryana

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ABOUT THE PROGRAM

Fundamentals of Population Health Research (FPHR) focuses on understanding the health outcomes of communities and the complex interplay of factors that influence them. It emphasizes research as a tool to explore and address health disparities through evidence-based insights.

The FPHR certificate program aims to provide learners with a comprehensive foundation in the principles and practices of population health research, equipping them with the knowledge and skills to investigate health determinants, design and evaluate public health interventions, and conduct data-driven research. Through a blend of theory and practical application, the course covers study design, mixed-methods research, data analysis, and effective presentation of findings. Participants will gain the knowledge needed to contribute meaningfully to public health research and improve health outcomes at the community level.



Introduction to
Population Health
Research and Domains

Research Design
and Methodology
Fundamentals

Formulating
Research Question
and Hypothesis

Mixed Methods
and Sampling
Techniques

Storytelling with Data:
Effective Communication
of Findings

The core objective of the program is to cultivate an understanding of population health among the learners, enabling them to design, implement, and critically evaluate population health research initiatives

PROGRAM OUTCOMES



Gain expertise in research methods, and techniques for population health.



Guidance & Mentorship to publish in peer-reviewed journals



Access career development and mentorship



Acquire hands-on experience through community outreach and digital health interventions.



Build practical skills in innovation, research and entrepreneurship



Communicate research findings using storytelling and visualizations.

UNIQUE FEATURES OF THE PROGRAM



Research Seminars

Participate in monthly research seminar series.



Community Outreach

Contribute to public health and digital interventions.



Interactive Learning

Engage in fortnightly discussions on the forum.



Career and Mentorship

Connect with experts for career guidance.



Innovation & Hackathons

Take part in hackathons and creative initiatives.



Guidance and Mentorship for Publication

Present research at National and International conferences.



Experiential Learning

Gain hands-on experience in real-world projects.

LEARNING OUTCOMES



Understand Core Concepts

Identify key concepts and terminology related to population health, research methodology, including types of research, systematic review, scoping review, research design, and qualitative and quantitative data collection methods.



Evaluate Research Methodologies Critically

Demonstrate the competency to select appropriate epidemiological study designs and techniques for specific research questions and contexts in public health practice.



Utilize Statistical Methods for Data Analysis

Analyse the qualitative and quantitative data to identify trends, patterns, and risks to facilitate the evidence-based practice.



Apply Suitable Research Methods to Varied Contexts

Apply research-based approaches to investigate public health problems using systems thinking to identify interconnected causes and inform evidence-based solutions



Recognize the Role of Methodology in Research Impact

Acquaint learners with the significance of research methodology in population health research and illustrate how methodological choices influence the outcomes of studies, ultimately generating evidence to influence public health and policies.

Mode of Delivery

This is a comprehensive program that integrates training sessions and experiential learning. All classes, sessions, and activities are conducted through virtual interactions, ensuring accessibility and flexibility for participants. The program leverages digital tools for lectures, case studies, discussions, and assignments, creating an engaging and interactive learning experience. Under the experiential learning, participants have the opportunity to engage in voluntary fieldwork as part of digital intervention-based community initiatives offered by FHTS. This component allows for real-world application of concepts and enhancing practical skills which can be performed in both virtual/in-person.

Multifaceted Learning

- ◆ **Lectures & Case Studies:** Expert-led sessions with real-world examples

◆ **Reading & Discussions:** Curated resources with interactive discussions
- ◆ **Assignments & Exercises:** Practical tasks to reinforce learning.

◆ **Community Outreach:** Apply knowledge in real-world health interventions.

Duration
4 Months



2 Months of
Virtual Structured Training



2 Months of
Experiential Learning

Module Structure

The program covers 8 **comprehensive modules** focusing on key areas of population health research methodology, equipping participants with both theoretical knowledge and practical skills.

WHO SHOULD ENROLL?



Public Health Professionals & Policymakers aiming to influence health outcomes through research and evidence-based strategies



Researchers and Academics interested in exploring population health methodologies and data analysis



Healthcare Workers and Administrators aiming to understand the intersection of research, health outcomes, and community health interventions



Students and Graduates seeking to develop a strong foundation in health research and population health studies

APPLY NOW



CERTIFICATE PROGRAM ADMISSIONS

Batch Intake: Every year in March, July, September

**Application deadlines for each batch may vary
Check program details for additional information*

For admission enquiries: academic@fhts.ac.in



The Foundation of Healthcare Technologies Society (FHTS), established in 2012, is a nationally recognized non-profit organization advancing public health, digital health innovation, and research through community initiatives, and tech-driven health interventions, shaping the future of public health through education, evidence-based solutions, and collaborations.

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