

DIVYA NAIR H

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CURRENT POSITION:

- LECTURER (5 June 2017 - till date) at Indian Institute of Public Health (IIPH) Gandhinagar, Public Health Foundation of India

Key responsibilities:

- Teaching:
 - Master of Public Health (MPH): Biostatistics, Demography, R Commander
 - Master of Hospital Administration (MHA): Data Analysis for Decision Making in Hospitals
 - Post Graduate Diploma in Public Health Management (PGDPHM): Biostatistics, MS Excel, Epi Info
 - Associate Fellow in Industrial Health (AFIH): Biostatistics
 - Certificate Program in Research Methodology (Distance Learning): Biostatistics, Survey designs and questionnaire design, MS Excel, Epi Info
- Supervision of dissertations- Mentor for dissertation works of MPH, MHA, PGDPHM and AFIH participants

Research Activities:

- Provided statistical help for the following,
 - Papers/opinion piece,
 - Characteristics of private partners in Chiranjeevi Yojana, a public-private-partnership to promote institutional births in Gujarat, India-lessons for universal health coverage (published)
 - A retrospective audit of Widal testing for enteric fever in the city of Ahmedabad 2000-2015 (published)
 - Association of enteric fever incidence with climate variables in the city of Ahmedabad (in progress)
 - Effect on El Nino Southern Oscillations on the incidence of enteric fever- preliminary analysis in Ahmedabad, India from 1985 to 2017 (co-authored)
 - 'Effect of climate on Enteric Fever incidence in Ahmedabad, India' has been accepted for oral presentation in the 2019 International Society for Disease Surveillance (ISDS) Conference program (co-authored)
 - Temperature Threshold Estimation for Heat Wave Warning in India conducted by National Disaster Management Authority, New Delhi (co-

- authored)
- Heat Action Plan (Ahmedabad & Rajkot)

 - Project
 - Establishing SEWA Shakti Kendras for good governance (Evaluation),
 - Situational Analysis and Needs Assessment of Occupational and Industrial Health Services in GIDC estates in Gujarat
 - Heat Action Plan

 - Research proposal
 - Part of the IIPHG team, which developed concept note on “Use of AI, Machine Learning and Deep Learning using data generated from TeCHO+ programme of Gujarat”.

PRIOR WORK EXPERIENCE

- Lecturer in biostatistics (21 January 2015- 1 June 2017) at Indian Institute of Public Health, Hyderabad

Key responsibilities:

- Teaching:
 - Master of Public Health (MPH): Biostatistics, Demography, R software.
 - Post Graduate Diploma in Public Health Management (PGDPHM): Biostatistics, Demography
 - Continuing Medical Education (CME) on Research Methodology and Writing a Thesis Protocol
 - Introduction to biostatistics for Foundation Course on Health Research Methods
- Workshops/Short Courses:
 - Data Analysis using SPSS
 - Sample Size Calculation for epidemiologic studies and screening programmes
- Supervision of thesis: Supervised thesis works of PGDPHM students
- Member, Institutional Ethics Committee, IIPH Hyderabad

Research Projects involved in:

- Reducing blindness from retinopathy of prematurity in India-Generating evidence for policy change and programme development
- Reducing blindness from diabetic retinopathy in India-Generating evidence for policy change and programme development

- Evaluation of a pilot youth-driven, arts-based intervention to reduce mental health stigma in India
- The public health consequences of folic acid deficiency in mothers and benefits of peri-conceptional folic acid supplementation on pregnancy outcomes, with special reference to neural tube disorders and oro-facial clefts in India
- Evaluation of safe care saving life project

Research/Academic activities:

- Paper presentation: ‘Wealth inequality and preferred place of child delivery in India: A Beta regression approach’ in U.G.C. Sponsored National Conference on Analytics of Population Statistics and Its Role in Public Welfare Policies
- Guest speaker: Zonal Continuing Medical Education (CME) for postgraduates, Osmania Medical College

Membership in conference committees:

- Member of academic committee of U.G.C. Sponsored National Conference on Analytics of Population Statistics and Its Role in Public Welfare Policies
 - Member (organizing committee) of International Symposium on Health Analytics and Disease Modeling 2016
 - Member (organizing committee) of Workshop on Clinical Data Analytics 2016
- Biostatistician (3 September 2013 - 9 January 2015) at Madras Diabetes Research Foundation, Chennai

Projects Undertaken for Data Analysis at Madras Diabetes Research Foundation:

- Exercise Patterns and Behavior in Asian Indians: Data from The Baseline Survey of The Diabetes Community Lifestyle Improvement Program (D-CLIP)
- Regularity of Follow Up, Glycemic Burden and Risk of Microvascular Complications on Patients with Type 2 Diabetes: A Nine-Year Follow-Up Study
- Incidence of Diabetes and Pre-Diabetes and Predictors of Progression Among Asian Indians-Ten Year Follow-Up of The Chennai Urban Rural Epidemiology Study (CURES)
- Modifiable Risk Factors and Population Attributable Risk of Diabetes in Asian Indians-Ten Year Follow-Up of Chennai Urban Rural Epidemiology Study (CURES-142)

- Mortality, Its Causes and Predictors Among Diabetes from a Tertiary Care Centre for Diabetes in South Asia
 - Association of ‘Hyponeurotrophinemia’ in Subjects with Impaired Glucose Tolerance (IGT) and Patients with Type 2 Diabetes
- Observer (1 February 2013 – 31 July 2013) at Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute of Medical Sciences and Technology, Trivandrum, Kerala.
- Involved in data analysis of the project from Rajiv Gandhi Centre for Biotechnology titled “Forkhead box C2 Promoter Variant c.-512C>T Is Associated with Increased Susceptibility to Chronic Venous Diseases”.

PUBLICATIONS:

- Iyer V, Cottagiri SA, Sharma A, **Nair D**, Raval MS, Solanki B, et al. Effect of El Niño Southern Oscillations on the incidence of enteric fever-preliminary analysis in Ahmedabad, India from 1985 to 2017. *Asian Pac J Trop Med* 2019; 12(12).
- Srivastava AK, Bhan SC, Mavalankar D, Tiwari A, Dutta P, **Haridas DN**, Boghra T. A Preliminary Study on Temperature Threshold Estimation for Heat Wave Warning in India. New Delhi: National Disaster Management Authority; 2019 Aug. 39 p.
- Trivedi M, Sharma B, **Nair D**, Patel M. Evaluation of Gujarat SEWA Shakti Kendras for good governance in selected rural and urban areas. Ahmedabad: Lok Swasthya Sewa Trust; 2019 May. 78 p.
- Iyer V, Sharma A, Abraham SC, **Nair D**, Solanki B, Mavalankar D. Effect of climate on Enteric Fever incidence in Ahmedabad, India. *Online Journal of Public Health Informatics*. 2019 May 30;11(1).
- Anjana RM, Sudha V, **Nair DH**, Lakshmipriya N, Deepa M, Pradeepa R, Shanthirani CS, Subhashini S, Malik V, Unnikrishnan R, Binu VS. Diabetes in Asian Indians—how much is preventable? Ten-year follow-up of the Chennai Urban Rural Epidemiology Study (CURES-142). *Diabetes research and clinical practice*. 2015 Aug 1;109(2):253-61.
- Anjana RM, Rani CS, Deepa M, Pradeepa R, Sudha V, **Nair HD**, Lakshmipriya N, Subhashini S, Binu VS, Unnikrishnan R, Mohan V. Incidence of diabetes and prediabetes and predictors of progression among Asian Indians: 10-year follow-up of the Chennai Urban Rural Epidemiology Study (CURES). *Diabetes care*. 2015 Aug 1;38(8):1441-8..
- Anjana R M, Shanthirani C S, Unnikrishnan R, Mugilan P, Amutha A, **Nair DH** et al. Regularity of follow-up, glycemic burden, and risk of microvascular complications in patients with type 2 diabetes: a 9-year follow-up study. *Acta Diabetol*. 25 Dec 2014;52(3):601-609
- Surendran S, Girijamma A, Nair R, Ramegowda KS, **Nair DH**, Thulaseedharan JV et al. Forkhead box C2 Promoter Variant c.-512C>T Is Associated with Increased

Susceptibility to Chronic Venous Diseases. PLoS ONE. 2014 Mar 7;9(3).

ACADEMIC PROFILE:

- **MASTER OF SCIENCE** in **Biostatistics** (2013) at Manipal University, Manipal with a CGPA of **8.06**.
- **BACHELOR OF SCIENCE** in **Statistics** (2011) at Government College (Kerala University), Kariavattom with **80%**.
- **HSC** at St.Thomas Higher Secondary School(2008), Mukkolackal, Thiruvananthapuram, with **85%**.
- **SSLC** at St.Mary's Higher Secondary School, (2004) Pattom, Thiruvananthapuram with **86%**.

ACHIEVEMENTS:

- Obtained Kerala University **merit scholarship** 2008-2011 for B.Sc. Degree course in Statistics.
- **Topper** in M.Sc. Biostatistics of 2011-2013 batch, Manipal Academy of Higher Education (formerly known as Manipal University), Manipal.
- **M.Sc. Dissertation** – Obtained A Grade for the dissertation titled “Comparison of Negative Binomial Regression with Other Methods in Estimating Relative Risk: A Simulation Study”

TECHNICAL SKILLS:

- Knowledge/Programming Experience in Statistical Analysis Tools
 - SPSS
 - Basic R
 - Basic SAS
 - R Commander
 - Epi Info
- Knowledge in Microsoft Office.

SEMINARS/WORKSHOPS ATTENDED

- Seminar on “Reciprocal Cooperation between Peer Supporters and Community Health Centers in China” at Achutha Menon Centre for Health Science Studies.
- Seminar on “Community Interventions to Prevent Diabetes and other non-communicable diseases in Kerala” at Achutha Menon Centre for Health Science Studies.
- Seminar on Improving the prevention and control of diabetes' at Achutha Menon Centre for Health Science Studies.
- Symposium on “Evidence Based Public Health Interventions In Low And Middle Income

Countries” and Workshop on “Systematic Reviews Of Public Health Interventions”.

- International workshop and conference on “Combinational Matrix Theory and Generalized Inverse of Matrices” organized by department of Statistics, Manipal University, January 02 to 07,2012 and January 10 & 11, 2012.
- National workshop on statistical analysis using "R" organized by department of Statistics and department of Community Medicine, Manipal University, 26 and 27 may,2012.

PERSONAL INFORMATION

Name	: Divya Nair H
Father’s Name	: Haridas R
Date of Birth	: 7 June 1990
Marital Status	: Married
Language known	: Malayalam, English, Tamil, Hindi
Permanent Address	: D-177, IFFCO Colony, Uday Nagar, Gandhidham, Kutch, Gujarat, Pin-370203

DECLARATION

I hereby declare that the above-mentioned information is true to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Gandhinagar

Divya Nair H

