

DIVYA NAIR H

E-mail: divyahnair90@gmail.com

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 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)
 - Heat Action Plan (Ahmedabad & Rajkot)
 - Effect of temperature on age-gender wise mortality distribution during summer months of Ahmedabad city, Gujarat (2001 to 2019) (Co-authored)

- 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
 - Adolescent Health Programme of SEWA Rural (Evaluation)
- Research/Training 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”.
 - Part of the IIPHG team, which developed proposal for training programme titled “Enhancing role effectiveness of block level Health Officers/ Managers”
 - Submitted a proposal for obtaining grant to National Academy of Medical Sciences for conducting short course on SPSS

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:

- Bhatia R, **Nair D**, Bhatnagar MK, Sood S, Kumar P, Chaudhary R. A hospital based case control study to explore the association between Bruxism and Cardiovascular diseases in Kangra region of Himachal Pradesh. *International Journal of Community Medicine and Public Health*. 2021 Jul;8(7):3371.
- Iyer V, Sharma A, **Nair D**, Solanki B, Umrigar P, Murtugudde R, Jiang C, Mavalankar D, Sapkota A. Role of extreme weather events and El Niño Southern Oscillation on incidence of Enteric Fever in Ahmedabad and Surat, Gujarat, India. *Environmental Research*. 2021 May 1;196:110417.
- Rana R, Sharma A, Nampurkar R, **Nair D**. Prevalence and predictors of undernutrition among children under two years in Narmada District, Gujarat State, Western India: a community-based cross-sectional study. *World Nutrition*. 2020 Jun 29;11(2):30-44.
- 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 Dec 13; 12(12).
- 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).

REPORTS:

- Trivedi M, Sharma M, **Nair D**, Shah K. Assessment of the Adolescent Health Project of SEWA Rural, Jaghadiya, Bharuch: SEWA Rural; 2020 October. 44 p. (under review)
- 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.

NEWS ARTICLE:

- Mavalankar D, **Nair D**. India's COVID-19 Mortality Too Low to Divert All Our Attention Away from Other Diseases. *Science The Wire*[Internet]. 2020 Aug 17 [cited 2020 Aug 17]. Available from: <https://science.thewire.in/health/indias-covid-19-mortality-is-too-low-to-warrant-closure-of-other-health-services/>

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/Epidemiology Tools
 - SPSS
 - Basic R
 - Basic SAS
 - R Commander
 - Epi Info
 - OpenEpi
- Knowledge in Microsoft Office.

SEMINARS/WORKSHOPS/WEBINARS ATTENDED

- National webinar on “Ethics of Statistical Inference” organized by Department of Statistics, P.C. Jabin Science College on June 13, 2020
- International Webinar-DOCTRINA-09 organized by the Department of Statistics & IQAC, Sir Syed College, Kannur, Kerala, titled, “Statistical Methods for Clinical Trials in Patients with Bacterial or Viral Infections”, on 30-05-2020.
- International Webinar on Recent Advances in Biostatistics and Data Science organized by Department of Data Science, Prasanna School of Public Health, Manipal on October 20, 2020
- 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

