

BIO SKETCH

Basic Details



Name: Deepak B Saxena

Designation: Professor and Registrar (Acting)

Institute / University: Indian Institute of Public Health
Gandhinagar (IIPHG), India

Date of Birth: 5 /5/1971

Email: ddeepak72@iiphg.org

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Education (Post-Graduation onwards & Professional Career)

Sr. No.	Degree Awarded	Institution / Place	Year	Field of Study
1	Post Doc	Karolinska Institute- Stockholm	2012	Public Health (Infectious Disease)
2	PhD	VNSG University, Surat Dept of Community Medicine -GMC -Surat	2009	Community Medicine (Epidemiology)
3	MD (Community Medicine)	VNSG University, Surat Dept of Community Medicine -GMC -Surat	2004	Community Medicine
4	MBBS	MGM Medical College, Indore	1997	Medicine

Employment Details

Position and Employment (Starting with the most recent employment)

Sr. No.	Institution/Place	Designation	from Date (mm/yyyy)	to Date (mm/yyyy)
1	Indian Institute of Public Health Gandhinagar (IIPHG)	Registrar (Acting)	Dec 2019	Till date
2	IIPHG	Professor	April 2019	Till date
3	IIPHG	Additional Professor	April 2015	April 2019
4	IIPHG	Associate Professor	May 2011	March 2015
5	GMC, Surat	Assistant Professor	February 2010	May 2011
6	IIPHG	Assistant Prof (On Lien) from GMC Surat	Sept 2008	Feb 2010
7	GMC, Surat	Assistant Professor	Feb 2006	August 2008
6	GMC Surat & Rajkot	Tutor	April 1998	2006

Academic engagements

Currently besides Professor, I am also functioning as Registrar (Acting) of the University and have successfully assisted the initial inspection of University Grant Commission inspection and subsequent compliance report of IIPHG. I was actively engaged in the formulation of statutes and other administrative rules and regulations for the smooth functioning of the University.

I was trained at School of Public Health – University of Boston to train the teachers to teach (T5) program to develop the course curriculum for Master's courses for Public health. As Faculty lead, I was part of the committee that was mandated to design the curriculum for Masters of Public Health, Masters of Hospital Administration and Ph.D. in Public health at the university level. I have designed the modules on Infectious diseases, Epidemiology (both basic and advance), and Public health Law for MPH and MHA and Post Graduate Diploma in Public Health Management.

I lead the team for crafting of Certificate course in Community Health for Community Health officers (CHO) at Health and Wellness Centers to be inducted under Ayushman Bharat and University trained 5000 CHO over a period of three years.

I am also leading the E-portfolio at IIPHG university; from an initial six months Certificate Course in Research methods and 30 students, IIPHG University now has in its portfolio more than 6 E-courses ranging from 3 months to one year.

I was instrumental in making academic engagements with International Universities of repute like Bonn University, London School of Hygiene and Tropical Medicine, Academic Institutions of National repute like AIIMS-Jodhpur, AIIMS Bibinagar, Dutta Meghe Institute of Medical Sciences (DMIMS) Sawangi and IIT Gandhinagar to a name few. I am in core team leading the NIDHI-TBI for Public Health at IIPH Gandhinagar, supported by the Department of Science and Technology, Govt of India and SSIP supported by the Dept of Education, Govt of Gujarat. I had led the Public Health Research Initiative supported by SERB-Govt of India, an initiative to assist early Career Faculties for Public Health Research in India.

I am also leading the Centre of One Health Education, Research and Development (COHERD) along with the University of Bonn-Germany at IIPHG. I also led WHO-supported activity to document the Intra Action review of efforts undertaken by the Govt of Gujarat for Covid along with the Indian Institute of Management Ahmedabad.

I was appointed as Consultant by UNFPA for teaching Epidemiology and Biostatistics to academic staff from various University in Yangon -Myanmar in 2019.

Management and leadership roles

- Member of statutory and non-statutory committees as per the recommendation of UGC and mandate of IIPHG, including Academic Review Committee, Institutional Ethical Committee and other committees for student welfare.
- Member of Academic Management Committee at the parent organization of IIPHG i.e. Public Health Foundation of India (PHFI) to design and deliver academic courses pan PHFI for three years.
- Leading the demand generation activities for various courses across IIPHG since its establishment. The systematic efforts for IIPHG over the years have created a brand in public health education, and presently, IIPHG is receiving five times the sanctioned seats across various courses at IIPHG.
- Actively engaged in the placement cell at IIPHG since initial years ; with continuous engagement with Industry partners and potential recruiters there has been almost 100% placement of students seeking assistance for placement at IIPHG for the last five years.
- Representing IIPHG at PHFI for engaging various stakeholders to support various scholarships for students.
- Assisted in execution of the Infosys fellowship at pan PHFI and Scholarships by Khakhi Foundation for needy master's students.
- Member of Finance committee and General Administration and Purchase Committee at IIPHG.

Research engagement: ONGOING

Name of Project (Duration)	Role / Funds / Funder
Closing the Gaps in TB Care cascade (01/2020-12/2024)	Principal Investigator Fund (INR): 150 million Funder: United States Agency for International Development (USAID) through World Health Partners (WHP), India
Public Health Research Initiative (PHRI) (04/2015-12/2021)	Team lead Fund (INR): 90 million Funder: Science and Engineering Research Board (SERB), Department of Science & Technology, Government of India
Stunting Hub (03/2020-03/2025)	Principal Investigator Fund (INR): 30 million Funder: Global Challenges Research Fund, UK & National Institute of Nutrition, India
State Resource Centre for Concurrent Monitoring of ICDS Services (2021-22)	Co-Principal Investigator Investigator Fund (INR): 30 million Funder: Department of Women & Child Development, Gujarat

Regional Resource Centre for Health Technology Assessment (HTA–RRC) (2017-2025)	Co-Principal Investigator Fund (INR): 25 million Funder: Department of Health Research, Government of India
National Initiative for Developing and Harnessing Innovations (NIDHI)-Technology Business Incubator (TBI) (12/2019-07/2023)	Core team Lead Fund (INR): 21 million Funder: Department of Science & Technology, Government of India
Project Tushti: Making Devbhumi Dwarka under-nutrition free (01/2020-12/2022)	Co-Principal Investigator Investigator Fund (INR): 7 million Funder: Nayara Energy, India
Improving drug adherence through Tuberculosis Monitoring Encouragement and Adherence Device (TMEAD) (01/2019-08/2022)	Principal Investigator Fund (INR): 6.8 million Funder: India Health Fund, India
One Health & Urban Transformation (01/2016-12/2024)	Principal Investigator Fund (INR): 5 million Funder: Ministry of Culture and Science of North Rhine-Westphalia, Germany
Certificate Course in Community Health (C3H) (2018-2021)	Team Lead Fund : 75 Million Funder: Government of Gujarat
E course in PH and Hospital Management	Team Lead Fund 150 Million Funder : Care

Honours & Awards

2021: Patented Iris lens Forceps

2019: Invited by NCDC for 1st COVID19 outbreak investigation as a team member in Delhi

2017 / 2019 / 2020: WASH Experts in WHO WASH in HealthCare Facilities Tool Box and WASH FIT

2011: Australian Leadership Award Fellowship – University of Sydney

2009: Training the Teachers to Teach (T-5) Fellowship, Boston School of Public Health

2007: Gold medal (MD Community Medicine) – Veer Narmad South Gujarat University

Additional academic engagements

a) Other Academic engagement

1. Editor of Indian Journal of Community Medicine since 2016
2. Adjunct Faculty in Department of Epidemiology at DMIMS
3. Ph.D. Co-Supervisor at School of Public Health Parul Group of Universities – Waghodiya

b) Supervisor for Ph.D. students on one health

1. Dr. Timo Falkenberg: WATSAN and Microbiological quality (completed)
2. Dr Sandul Yasobant: Health System response to Issues of One health in India (completed)
3. Dr Ruchi Wanghani: Stunting and WASH ((completed)
4. Dr Krupali Patel: One Health: MRSA transmission across human-animal-environment
5. Ms P Kalpana: One Health and Antimicrobial gene transfer across the species

Research Profile and Key publications (Last 5 years)

Publications: >150

Citations (google): 2950+

h-Index: 20

i10-Index: 57

RG score: 32.93

ORCID: 0000-0003-0563-4259

Scopus ID: 49362057800

ResearcherID: AAH-7395-2019

Key Peer-reviewed publications (2021)

1. Charan J, Saxena D, Chaudhri M, Dutta S, Kaur RJ, Bhardwaj P. Opinion of primary care physicians regarding prescription of generic drugs: A Cross-sectional study. *J Family Med Prim Care*. 2021; 10:1390-8. (DOI: 10.4103/jfmpc.jfmpc_2157_20)
2. GBD 2020, Release 1, Vaccine Coverage Collaborators. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *Lancet*. 2021. 7;398(10299):503-521. (DOI: 10.1016/S0140-6736(21)00984-3)
3. GBD 2019 Blindness and Vision Impairment Collaborators; Vision Loss Expert Group of the Global Burden of Disease Study. Trends in prevalence of blindness and distance and near vision impairment over 30 years: an analysis for the Global Burden of Disease Study. *Lancet Glob Health*. 2021;9(2):e130-e143. (DOI: 10.1016/S2214-109X(20)30425-3)
4. Shah K, Varna VP, Pandya A, Saxena D. Low vitamin D levels and prognosis in a COVID-19 paediatric population: a systematic review. *QJM: An International Journal of Medicine*. 2021; hcab202. (DOI: 10.1093/qjmed/hcab202)
5. Shah K, Saxena D, Mavalankar DV. Vitamin D supplementation, COVID-19 & Disease Severity: A meta-analysis. *QJM*. 2021; 114:175-81. (DOI: 10.1093/qjmed/hcab009)

6. Shah K, Upadhyaya M, Kandre Y, Pandya A, Saraf V, Saxena D, Mavalankar D. *Epidemiological, Clinical and Biomarker Profile of Pediatric Patients Infected with COVID-19*, *QJM: An International Journal of Medicine*, 2021; hcab206. (DOI: 10.1093/qjmed/ hcab206)
7. Yasobant S, Bruchhausen W, Saxena D, Memon F, Falkenberg T. *Health system contact and awareness of zoonotic diseases: Can it serve as One Health entry point in the Urban community of Ahmedabad, India?* *Yale Journal of Biology and Medicine*, 2021; 94(2):259-269. (PMID: 34211346)
8. Yasobant S, Bruchhausen W, Saxena D, Falkenberg T. *Systemic factors for enhancing intersectoral collaboration for the operationalization of One Health: a case study in India*. *Health Research Policy and Systems*, 2021; 19: 75. (DOI: 10.1186/ s12961-021-00727-9)
9. Yasobant S, Bruchhausen W, Saxena D, Memon F, Falkenberg T. *Who could be One Health Activist at the community level?: A case for India*. *Human Resources for Health*, 2021; 19 (1)
10. Yasobant S, Bhavsar P, Kalpana P, Memon F, Trivedi P, Saxena D. *Contributing Factors in the Tuberculosis Care Cascade in India: A Systematic Literature Review*. *Risk Manag Healthc Policy*, 2021; 14:3275-3286. (DOI: 10.2147/RMHP.S322143)

Key Peer-reviewed publications (2020)

1. Das Gupta D, Patel A, Saxena D, Koizumi N, Trivedi P, Patel K, Raval D, King A, Chandler K. *Choice Based Reminder Cues: Findings From an mHealth Study to Improve Tuberculosis (TB) Treatment Adherence Among the Urban Poor in India*. *World Med Health Policy*. 2020; 12:163-81. (DOI: 10.1002/wmh3.337)
2. Dutta S, Kaur R, Haque M, Bhardwaj P, Saxena D, Rahman NAA, Lugova H, Jahan D, Islam S, S CT, Charan J. *Terminated Interventional Trials in the Clinical Trial Registry of India Database: An Analysis to Evaluate the Reasons for Termination*. *Open Journal of Clinical Trial*. 2020; 12:61-70. (DOI: 10.2147/ OAJCT.S285177)
3. Gautam V, Bhardwaj P, Saxena D, Kumar N, Dileepan S. *Multisectoral approach to achieve canine rabies-controlled zone sing Intervention Mapping: Preliminary results*. *PLoS One*. 2020;15:e0242937. (DOI: 10.1371/journal.pone.0242937)
4. Parmar S, Puwar T, Saxena D, Shukla S, Pandya AK. *Health Workers' Approach Toward Adverse Events following Immunization - An Insight From Madhya Pradesh*. *Indian J Community Med*. 2020; 45:567-8. (DOI: 10.4103/ijcm.IJCM_52_20)
5. Saha S, Kotwani P, Pandya A, Patel C, Shah K, Saxena D, Puwar T, Desai S, Patel DM, Sethuraman AV, Ravi JS. *Addressing comprehensive primary healthcare in Gujarat through mHealth intervention: Early implementation experience with TeCHO+ programme*. *J Family Med Prim Care*. 2020; 9:340-6. (DOI: 10.4103/ jfmpc.jfmpc_835_19)
6. Schmidt WP, Chauhan K, Bhavsar P, Yasobant S, Patwardhan V, Aunger R, Mavalankar DV, Saxena D, Curtis V. *Cluster-randomised trial to test the effect of a behaviour change intervention on toilet use in rural India: results and methodological considerations*. *BMC Public Health*. 2020; 20:1389. (DOI: 10.1186/ s12889-020-09501-y)
7. Shah K, Saxena D, Mavalankar D. *Secondary attack rate of COVID-19 in household contacts: a systematic*

review. *QJM*. 2020;113(12):841-850. (DOI: 10.1093/qjmed/hcaa232)

8. Trivedi P, Patel K, Yasobant S, Kalpana P, Bhavsar P, Raval D, Saxena D. Visually clean is not necessarily microbiologically safe: Learnings from WASH assessment of maternity units of Gujarat, India. *J Family Med Prim Care*. 2020; 9:788-92. (DOI: 10.4103/jfmpc.jfmpc_1066_19)
9. Yasobant S, Bruchhausen W, Saxena D, Falkenberg T. 'One Health' Actors in Multifaceted Health Systems: An Operational Case for India. *Healthcare (Basel)*. 2020;8:e387. (DOI: 10.3390/healthcare8040387)
11. Yasobant S, Patel K, Saxena D, Falkenberg T. COVID-19 in India: Making a case for the one health surveillance system. *Indian J Public Health*. 2020;64:S135-S8. (DOI: 10.4103/ijph.IJPH_488_20)
12. Yasobant S, Saha S, Puwar T, Saxena D. Toward the development of an integrated climate-sensitive disease surveillance in southeast asian countries: A situational analysis. *Indian J Community Med*. 2020; 45:270-3. (DOI: 10.4103/ijcm.IJCM_285_19)

Key Peer-reviewed publications (2019)

1. Cross S, Gon G, Morrison E, Afsana K, Ali SM, Manjang T, Manneh L, Rahman A, Saxena D, Vora KS, Graham WJ. An invisible workforce: the neglected role of cleaners in patient safety on maternity units. *Glob Health Action*. 2019; 12:1480085. (DOI: 10.1080/16549716.2018.1480085)
2. Joshi D, Awasthi A, Saxena A, Saxena DB, Mavalankar DV. Community and facility-based tuberculosis control: Programmatic comparison and experience from Nepal. *Clin Epidemiol Glob Health*. 2019; 7(3): 351-356. (DOI: 10.1016/j.cegh.2018.08.006)
3. Patel K, Kalpana P, Trivedi P, Yasobant S, Saxena D. Assessment of water, sanitation and hygiene in HCFs: which tool to follow? *Rev Environ Health*. 2019; 34 (4): 435-440. (DOI: 10.1515/reveh-2019-0001)
4. Patel KB, Saxena D. Self-Reported Selected Zoonotic Diseases among Animal Handlers in Ahmedabad City. *Vet World*. 2019; 12: 176-82. (DOI: 10.14202/vetworld.2019.176-182)
5. Powell-Jackson T, Purohit B, Saxena D, Golechha M, Fabbri C, Ganguly PS, Hanson K. Measuring management practices in India's district public health bureaucracy. *Soc Sci Med*. 2019;220:292-300. (DOI: 10.1016/j.socscimed.2018.10.031)
6. Yasobant S, Bruchhausen W, Saxena D, Falkenberg T. One health collaboration for a resilient health system in India: Learnings from global initiatives. *One Health*. 2019; 8:100096. (DOI: 10.1016/j.onehlt.2019.100096)
7. Yasobant S, Saxena D, Bruchhausen W, Memon FZ, Falkenberg T. Multi-sectoral prioritization of zoonotic diseases: One health perspective from Ahmedabad, India. *PLoS One*. 2019;14: e0220152. (DOI: 10.1371/journal.pone.0220152)

Key Peer-reviewed publications (2018)

1. Falkenberg T, Saxena D. Impact of wastewater-irrigated urban agriculture on diarrhea incidence in Ahmedabad, India. *Indian J Community Med*. 2018; 43(2): 102-106. (DOI: 10.4103/ijcm.IJCM_192_17)
2. Falkenberg T, Saxena D, Kistemann T. Impact of wastewater- irrigation on in-household water contamination. A cohort study among urban farmers in Ahmedabad, India. *Science of The Total*

- Environment*. 2018; 639:988-96. (DOI: 10.1016/j.scitotenv. 2018.05.117)
3. Gaidhane A, Sinha A, Khatib MN, Simkhada P, Behere P, Saxena D, Unnikrishnan B, Khatib MN, Ahmed M, Syed ZQ. A systematic review on effect of electronic media on diet, exercise, and sexual activity among adolescents. *Indian J Community Med*. 2018; 43:S56- S65. (DOI: 10.4103/ijcm.IJCM_143_18)
 4. Khatib MN, Sinha A, Gaidhane A, Simkhada P, Behere P, Saxena D, Unnikrishnan B, Khatib A, Ahmed M, Syed ZQ. A systematic review on effect of electronic media among children and adolescents on substance abuse. *Indian J Community Med*. 2018; 43: 66-72. (DOI: 10.4103/ijcm.IJCM_116_18)
 5. Patel P, Puwar T, Shah N, Saxena D, Trivedi P, Patel K, Yasobant S, Fancy M, Matela H, Savaliya S, Kalpana P, Rana R. Improving adolescent health: Learnings from an Interventional study in Gujarat, India. *Indian J Community Med*. 2018; 43:12-7. (DOI: 10.4103/ijcm.IJCM_286_18)
 6. Powell-Jackson T, Purohit B, Saxena D, Golechha M, Fabbri C, Ganguly PS, Hanson K. Measuring management practices in India's district public health bureaucracy. *Soc Sci Med*. 2018; 220:292-300. (DOI: 10.1016/j.socscimed.2018.10.031)
 7. Puwar T, Saxena D, Yasobant S, Savaliya S. Noncommunicable diseases among school-going adolescents: A case study on prevalence of risk factors from Sabarkantha District of Gujarat, India. *Indian J Community Med*. 2018; 43:S33-7. (DOI: 10.4103/ijcm.IJCM_117_18)
 8. Puwar T, Yasobant S, Saxena D. Are school-going adolescents mentally healthy? Case study from Sabarkantha, Gujarat, India. *Indian J Community Med*. 2018; 43:S23-7. (DOI: 10.4103/ijcm.IJCM_56_18)
 9. Trivedi P, Saxena D, Puwar T, Savaliya S, Ganguly P. A cohort study on risk factors for preterm births in rural Gujarat. *Indian Journal of Pub Health*. 2018; 62(2):111-116. (DOI: 10.4103/ijph.IJPH_337_16)
 10. Saxena D, Yasobant S, Mahaveer G. Situational Analysis of Sickle Cell Disease in Gujarat, India. *Indian J Community Med*. 2017; 42 (4): 218-221. (DOI: 10.4103/ijcm.IJCM_284_16)
 11. Yasobant S, Bruchhausen W, Saxena D, Falkenberg T. Convergence model for effectual prevention and control of zoonotic diseases: A health system study on 'One Health' approach in Ahmedabad, India. *Health Research Policy and Systems*. 2018; 16 (1): 124. (DOI: 10.1186/s12961-018-0398-6)

Key Peer-reviewed publications (2017-16)

1. Saxena D, Yasobant S, Golechha M. Situational analysis of sickle cell disease in Gujarat, India. *Indian J Community Med* 2017;42:218-21. (DOI: 10.4103/ijcm.IJCM_284_16)
2. Graham WJ, Morrison E, Dancer S, Saxena D et al. What are the threats from antimicrobial resistance for maternity units in low- and middle- income countries? *Global Health Action*. 2016; 9:33381. (DOI: 10.3402/gha.v9.33381)
3. Cross S, Afsana K, Banu M, Saxena D et al. Hygiene on maternity units: lessons from a needs assessment in Bangladesh and India. *Global Health Action*. 2016; 9: 32541. (DOI:10.3402/gha.v9.32541)
4. Purohit B, Maneskar A, Saxena D. Developing a tool to assess motivation among health service providers working with public health system in India. *Hum Resour Health*. 2016;14:15. (DOI: 10.1186/s12960-016-0111-1)

5. *Trivedi M, Gaurav K, Saxena D. Diabetic Care through Public– Private Partnership in Rural Set-up: A Case Study of Primary Health Centre, Valam, Mehsana. Journal of Health Management. 2016;18(2):318-329. (DOI:10.1177/0972063416637755)*
6. *Kumar P, Saxena D. Pandemic of publications and predatory journals: Another nail in the coffin of academic. Indian J Community Med. 2016. 41(3): 169–171. (DOI: 10.4103/0970-0218.1 83586)*
7. *Karan J, Saxena D, Yasobant S. Efficacy and safety of Carica papaya leaf extract in the dengue: A systematic review and meta-analysis. Int Journal of App and Basic Med Research. 2016. 6(4):249-254. (DOI: 10.4103/2229-516X.192596)*

Book/ Chapters

1. *Yasobant S, Bruchhausen W, Saxena D. Applications of systems thinking for health system research: A one health perspective. SAGE Research Methods Cases, UK, 2020.*
2. *Saxena D, Yasobant S. Information Overload. In: Schintler LA, McNeely CL (eds.), Encyclopedia of Big Data, Springer, 2020.*
3. *Saxena D, Yasobant S. Participatory Research for Health Service Delivery Among Rural Adolescents: A Case From Gujarat, India. SAGE Research Methods Cases: Medicine and Health, SAGE, UK, 2020.*
4. *Yasobant S, Saxena D. Global Applications of One Health Practice and Care (pp. 1-306). Hershey, PA: IGI Global, USA, 2019*
5. *Visaria L, Saxena D (eds.). Inequity in Maternal and Child Health. Published by Indian Institute Public Health Gandhinagar (IIPHG), Ahmedabad India, 2016.*
6. *A text book on Smart test Series for Community Medicine Health, Elsevier Publishers, UK, 2010- Reprint 2011-2015*
7. *Text book on PGMEET for Community Medicine, Elsevier Publishers, 2010. Reprint 2011-2015*
8. *Manual of Medicine for Undergraduate of Medicine. National Medical Books, 2009*

Policy Document Developed

1. *Policy Brief for Improving Maternal Health in India under EPI-4*
2. *UNICEF-WHO Lead Policy document on WASH in Health Care Facility for 2019 as contributor*
3. *UNICEF-WHO Lead Policy document on WASH-FIT in Health Care Facility for 2020 as contributor*

Network and Members ship

1. Team Member, Generating Evidences to WASH in Health Care Facility WHO HQ Geneva
2. Member of Indian Association of Preventive and Social Medicine (IAPSM)
3. Member of Indian Public Health Association (IPHA)
4. Member of Indian Association of Social Science and Health (IASSH)

*(updated on 31 December
2021)*