

WILLIAM JOE

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ASSISTANT PROFESSOR
POPULATION RESEARCH CENTRE
INSTITUTE OF ECONOMIC GROWTH
DELHI UNIVERSITY NORTH CAMPUS
DELHI 110 007

TEACHING INTERESTS

Health Economics, Development Economics, Econometrics and Research Methodology

RESEARCH INTERESTS

Population Health and Nutrition, Health Financing, Program Monitoring & Impact Assessments

EDUCATION

- PH.D IN ECONOMICS, Jawaharlal Nehru University, New Delhi. 2006-2010
“*On Measurement and Interpretation of Health Inequalities: An Application in Indian Context*”
- M.PHIL. IN APPLIED ECONOMICS, Jawaharlal Nehru University, New Delhi. 2004-2006
“*Strategy of Zoning amidst Distributive Concerns: A Case of Marine Fisheries of Kerala*”.
- M.A. ECONOMICS, (Gold Medal), Goa University, Goa, India. 2002-2004
- M.A. POPULATION STUDIES, International Institute for Population Sciences (IIPS), Mumbai, India. 2019-21
- B.A. ECONOMICS, MES College of Arts and Commerce, Goa University, Goa, India. 1999-2002

TEACHING EXPERIENCE

- Assistant Professor, Institute of Economic Growth, Delhi Nov. 2011 – Present
- Guest Lectures, IIHMR University, Jaipur. Lectures on Program Evaluation Methods. October 2020.
- Guest Lectures, TERI University, New Delhi. Lectures on Health Policy. September 2016.
- Guest Lectures, Central University of South Bihar, Gaya. Lectures on Environmental Economics. February 2016 and April 2016.
- Guest Lectures, International Institute of Population Sciences IIPS, Mumbai. Lectures on Measurement of Health Inequality: Theory and Applications. 2011, 2012 & 2013
- Assistant Professor, Department of Economics, BITS-Pilani Goa Campus. Feb 2011 to Oct 2011
- Junior Consultant, Institute of Economic Growth, Delhi. Jan 2010 – Jan 2011
- Guest Lectures, SRM University, Tamil Nadu. Lectures on Health Economics. 2009
- Teaching Assistant, South Asian Network for Development & Environmental Economics. Workshop Microeconomics & Mathematical Tools for Environmental Economics, Nepal. 2007

PROFESSIONAL SERVICES

Member, Expert Group on Alleviation of Malnutrition in the State of Jharkhand, Jharkhand State Nutrition Mission, Department of Women Child Development and Social Security, Government of Jharkhand

Member, Expert Committee on Evaluation of Package 2 – Women and Child Development Sector, DMEO, NITI Aayog, 2019

Member, Advisory Committee, ICRIER G-20 Health Study, 2019

Member, Expert Group on Maternal Mortality Estimation 2012-14, Office of Registrar General, Ministry of Home Affairs, Government of India

Academic Editor, PLOS One, 2018-

PHD/MD SUPERVISION

1. **Saroj Kumar**, ICSSR Doctoral Fellow, Institute of Economic Growth, Delhi
Affiliation: Central University of Gujarat, Gandhinagar
Dissertation: Inequalities in Access to Maternal Health Care Services in Uttar Pradesh
Year of Award: 2019

2. **Sunil Rajpal**, ICSSR Doctoral Fellow, Institute of Economic Growth, Delhi
Affiliation: Central University of Gujarat, Gandhinagar
Dissertation: Population Aging and Health in India: A State-Level Analysis
Year of Award: 2020

3. **Dr. Surabhi Puri**, Junior Resident, All India Institute of Medical Sciences, New Delhi
Affiliation: All India Institute of Medical Sciences, New Delhi
MD Thesis: Assessment of Anemia Control Measures in District Faridabad, Haryana with Focus on Iron and Folic acid Supply Chain and Anemia Diagnostic Facilities: A Mixed-Method Study
Year of Award: (2021, *Submitted for award*)

REVIEWER/REFEREE: PHD/M.PHIL/MASTERS DISSERTATION

1. Indian Institute of Technology (IIT), Gandhinagar
2. Sree Chitra Tirunal Institute of Medical Sciences and Technology (SCTIMST), Trivandrum
3. Jawaharlal Nehru University (JNU), New Delhi
4. Indira Gandhi Institute of Development Research (IGIDR), Mumbai
5. International Institute for Population Sciences (IIPS), Mumbai

MASTER'S DISSERTATION SUPERVISOR/ADVISOR

1. **Y Manasa Shanta**, Master of Arts in Sustainable Development Practice
Affiliation: TERI University, New Delhi
Dissertation: Health of Elderly in India: Evidence from Building Knowledge Base of Population Ageing in India (BKPAI) Dataset, 2011
Year: 2015

2. Jivatesh Singh Kang, Master of Arts in Economics (*Hons.*)

Affiliation: Panjab University, Chandigarh

Dissertation: Inclusive Development in India: A Review and Analysis

Year: 2014-15

RESEARCH PROJECTS

- Food insecurity and dietary diversity among low-income migrant workers affected by Covid-19
Project Funding: University of Aberdeen
Project Team: A M Guntupalli, J Macdiarmid, W Joe, K Keshri, S Mahapatro, Year: 2021
- Evaluation of Women Scientists Scheme
Project Funding: Department of Science and Technology (DST), Government of India
Project Team: William Joe, Year: 2021
- Knowledge Products based on Project Spotlight, Palghar, Maharashtra
Project Funding: Tata Trusts
Project Team: William Joe, Year: 2020-21
- Evaluation of Project Making it Happen, Rajasthan
Project Funding: Tata Trusts
Project Team: William Joe, Year: 2020
- Provision and Promotion of Spacing Methods under Family Planning Program in Bihar
Project Funding: Centre for Catalyzing Change (C3-India)
Project Team: William Joe, Year: 2020
- Concurrent Monitoring of WIFS among School Going Adolescents in Jharkhand
Project Funding: UNICEF
Project Team: William Joe, Year: 2019-20
- Home Based Newborn Care (HBNC): Concurrent Monitoring of Selected Indian States
Project Funding: Ministry of Health and Family Welfare, Government of India.
Project Team: Population Research Centre, Institute of Economic Growth, Year: 2019-20
- Comprehensive National Nutrition Survey (CNNS) – Knowledge Products Development
Project Funding: UNICEF
Project Team: William Joe, Year: 2019-20
- Utilization and Impact Evaluation of 14th Finance Commission Grants to Gram Panchayats
Project Funding: Ministry of Panchayati Raj
Project Team: Manoj Panda, William Joe and S Chakravorty, Year: 2019
- Data Science Initiative for Health Nutrition and Development in India
Project Funding: Tata Trusts
Project Team: William Joe and S V Subramanian, Year: 2019-20
- National Health Mission: Monitoring of Important Components of State PIPs in India
Project Funding: Ministry of Health and Family Welfare, Government of India.
Project Team: Population Research Centre, Institute of Economic Growth, Year: 2012-2018

- Evaluation of Integrated Child Development Services Scheme (ICDS), India
Project Funding: NITI Aayog
Project Team: William Joe and Malavika Subramanyam, Year: 2019
- Concurrent Monitoring of Anemia Mukta Bharat Program, India
Project Funding: UNICEF
Project Team: William Joe, Year: 2018-
- Concurrent Monitoring of Mahatari Jatan Yojana in Chhattisgarh, India
Project Funding: UNICEF
Project Team: William Joe and Mala Ramanathan, Year: 2018-19
- Resource Sharing between Centre and States and Allocations between States: Some Issues in Balancing Equity and Efficiency
Project Funding: 15th Finance Commission, Government of India.
Project Team: Manoj Panda, Purnamita Dasgupta and William Joe, Year: 2018
- Pay Commissions: Fiscal Implications
Project Funding: 15th Finance Commission, Government of India.
Project Team: Manoj Panda and William Joe, Year: 2018
- HMIS Data Validation for District Hospital Ranking in India: Study of District Hospitals in Delhi
Project Funding: Ministry of Health and Family Welfare, Government of India.
Project Team: Population Research Centre, Institute of Economic Growth, Year: 2017-18
- Intra-Village Disparities in Maternal and Child Health
Project Funding: IEG-ICSSR.
Project Team: William Joe and A Tripathi, Year: 2018
- National Food Security Act among Rural Households in Karnataka
Project Funding: ICSSR, Government of India, New Delhi.
Project Team: William Joe and T Jayan, Year: 2017-19
- Contribution of NDP-I to the Inclusion, Equity and Income of the Dairy Farmers
Project Funding: National Dairy Development Board, Anand.
Project Team: William Joe and Amarnath Tripathi, Year: 2018
- Knowledge, Skills and Attitude of Rural Youth Towards Dairy Farming in NDP-I Areas
Project Funding: National Dairy Development Board, Anand.
Project Team: William Joe and Amarnath Tripathi, Year: 2018
- Promotion of Safe Water, Sanitation and Hygiene in Slums of Delhi: End of Project Evaluation
Project Funding: Save The Children, New Delhi.
Project Team: William Joe, Year: 2017
- Cost of Family Planning Inaction in India
Project Funding: Population Foundation of India, New Delhi.
Project Team: William Joe and Amarnath Tripathi, Year: 2017

- Reassessment of National Parameters for Project Appraisal in India
Project Funding: NITI Aayog, Government of India, New Delhi.
Project Team: M N Murty, Manoj Panda and William Joe, Year: 2016-17
- Report of the Annual Health Survey in Nine EAG States of India
Project Funding: Office of the Registrar General of India, Government of India, New Delhi.
Project Team: William Joe, Year: 2015-16
- Policy Impact of Social Science Research: Evidence on Central Government Policies
Project Funding: ICSSR New Delhi and IDRC Canada.
Project Team: Manoj Panda and William Joe, Year: 2014-16
- Cross-Border Migration in Assam, 1951-2011: Magnitude, Process & Socioeconomic Consequences
Project Funding: ICSSR, Government of India, New Delhi.
Project Team: Nandita Saikia and William Joe, Year: 2014-16
- Promotion of Safe Water, Sanitation and Hygiene in Slums of Delhi: Baseline Study
Project Funding: Save The Children, New Delhi.
Project Team: William Joe, Year: 2016
- Demographic Dividend and Economic Growth in India
Project Funding: Think Tank Initiative, Institute of Economic Growth, Delhi.
Project Team: William Joe, Year: 2014
- How to achieve MDG 5?
Project Funding: Think Tank Initiative, Institute of Economic Growth, Delhi.
Project Team: Suresh Sharma and William Joe, Year: 2014
- How effective are Delivery-Related Programmes in Reaching Backward Castes? Causes of Low Access of Scheduled Castes and Tribes to ANC and PNC Services
Project Funding: ICSSR and Institute of Economic Growth, Delhi.
Project Team: R S Bora and William Joe, Year: 2013-14

Project Reports Online

- Annual Health Survey Report – Part I: A Report on Core and Vital Health Indicators, Office of the Registrar General & Census Commissioner, India, Ministry of Home Affairs, Government of India, New Delhi.
http://www.censusindia.gov.in/vital_statistics/AHS/AHS_report_part1.pdf
- Annual Health Survey Report – Part II: A Report on Clinical, Anthropometric and Bio-Chemical Survey, Office of the Registrar General & Census Commissioner, India, Ministry of Home Affairs, Government of India, New Delhi.
http://www.censusindia.gov.in/vital_statistics/AHS/AHS_report_part2.pdf
- Cost of Inaction in Family Planning in India: An Analysis of Health and Economic Implications, Population Foundation of India (PFI), New Delhi.
<http://www.populationfoundation.in/Publications/view/21/73/page:2>

- Report on Impact Evaluation Study of Fourteenth Finance Commission Grants to Gram Panchayat, Ministry of Panchayati Raj, Government of India, New Delhi.
<https://www.panchayat.gov.in/ffc>
- Resource Sharing between Centre and States and Allocation across States: Some Issues in Balancing Equity and Efficiency, 15th Finance Commission, Government of India, New Delhi.
<https://fincomindia.nic.in/ShowContent.aspx?uid1=11&uid2=6&uid3=0&uid4=0>
- Pay Commissions: Fiscal Implications, 15th Finance Commission, Government of India, New Delhi.
<https://fincomindia.nic.in/ShowContent.aspx?uid1=11&uid2=6&uid3=0&uid4=0>
- Obesity and Overweight in Children and Adolescents (0-19) in India: A Landscape Study 2020
https://anemiamukt Bharat.info/wp-content/uploads/2021/06/India-Childhood-Obesity_24-06-2021.pdf

National Health Mission (NHM) PIP Policy Reports submitted to States

Project Team: Population Research Centre, Institute of Economic Growth, Delhi
Project Funding: Ministry of Health and Family Welfare (MoHFW), Govt. of India

2012-13

Delhi: North Delhi, North-East Delhi, West Delhi and South-West Delhi
Uttarakhand: Bageshwar, Dehradun, Pithoragarh, Haridwar and Nainital

2013-14

Rajasthan: Jalor, Dungarpur and Banswara
Uttarakhand: Pauri Garhwal

2014-15

Rajasthan: Kota and Sawai Madhopur
Madhya Pradesh: Chhattarpur and Panna

2015-16

Sikkim: North Sikkim and West Sikkim
Uttar Pradesh: Bijnor, Farrukhabad, Mainpuri, Moradabad and Ghaziabad

2016-17

Rajasthan: Jaipur, Nagaur, Sikar,
Haryana: Mahendragarh, Jhajjar
Delhi: North East Delhi
Uttar Pradesh: Muzaffarnagar

2018-19

Uttarakhand: Dehradun, Udham Singh Nagar and Haridwar
Uttar Pradesh: Shamli, Saharanpur, Rampur, Jyotiba Phule Nagar and Sambhal

2019-20

Delhi: South, South East, South West
Rajasthan: Churu, Jhunjhunu, Sikar, Pali, Hanumangarh, Tonk, Sawai Madhopur,
Uttarakhand: Champawat, Tehri Garhwal

Uttar Pradesh: Bagpat, Ghazipur, Kanpur Nagar, Kanpur Dehat, Mohoba, Moradabad, Chandauli, Hapur, Hardoi, Meerut, Muzaffarnagar, Sonbhadra.

PUBLICATIONS

International Journals

- Bevin Vijayan, Mala Ramanathan, Sukanya Rangamani, William Joe, Sandeep G, Udaya Shankar Mishra (2021). Treatment and Rehabilitation of Stroke Patients in India: A Gendered Analysis based on Repeated Cross-Sectional National Sample Surveys on Health, 2014 and 2019. *Health Care for Women International*.
<https://doi.org/10.1080/07399332.2021.1931226>
- William Joe, Abhishek Kumar, Sunil Rajpal, Archa Misra, Ruby Alambusha, Smriti Sharma and S. V. Subramanian (2021). Infrastructure for Delivery of Integrated Child Development Services (ICDS) and Uptake of Pre-School Education Services: Insights from Palghar, India, *Journal of Development Policy and Practice*, 6(1).
<https://doi.org/10.1177%2F2455133321999852>
- Smita, Rajpal, S., Lu, S. Y., & Joe, W. (2021). Why market orientation matters for agriculture and fishery workers? Unravelling the association between households' occupational background and caloric deprivation in India. *BMC Public Health*, 21(1), 1-13.
<https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-021-10644-9>
- Joe, W., & Verma, A. K. Association of basic vaccination with cognitive and learning ability among children: insights from the India Human Development Survey, 2004–05 and 2011–12. *Journal of Biosocial Science*, 1-14.
<https://doi.org/10.1017/S0021932020000760>
- Rajpal S, Kim J, Joe W, Kim R, Subramanian S. V. (2021). Small area variation in child undernutrition across 640 districts and 543 parliamentary constituencies in India. *Scientific Reports*, 11: 4558.
<https://doi.org/10.1038/s41598-021-83992-6>
- Rajpal, S., Kim, R., Joe, W., & Subramanian, S. V. (2020). Does the Choice of Metric Matter for Identifying Areas for Policy Priority? An Empirical Assessment using Child Undernutrition in India, *Social Indicators Research*.
<https://link.springer.com/article/10.1007/s11205-020-02467-9>
- Rockli Kim, Lathan Liou, Yun Xu, Rakesh Kumar, George Leckie, Mudit Kapoor, R Venkataramanan, Alok Kumar, William Joe, S V Subramanian (2020). Precision-weighted estimates of neonatal, postneonatal and child mortality for 640 districts in India, National Family Health Survey 2016, *Journal of Global Health*, Vol. (10) No.2.
<http://www.jogh.org/documents/issue202002/jogh-10-020405.pdf>
- Berenike, T, N. Sudharsanan, O. Karlsson, W. Joe, S.V. Subramanian & Jan-Walter De Neve (2020) Children's education and parental old-age health: Evidence from a population-based, nationally representative study in India, *Population Studies*. Vol. 75(1) 51-66.
<https://www.tandfonline.com/doi/full/10.1080/00324728.2020.1775873>

- Rajpal, S., Joe, W., & Subramanian, S. V. (2020). Living on the edge? Sensitivity of child undernutrition prevalence to bodyweight shocks in the context of the 2020 national lockdown strategy in India. *Journal of Global Health Science*, 2(2).
<https://e-jghs.org/Synapse/Data/PDFData/9986JGHS/jghs-2-e19.pdf>
- Rajpal, S., Kim, R., Joe, W., & Subramanian, S. V. (2020). Stunting among Preschool Children in India: Temporal Analysis of Age-Specific Wealth Inequalities. *International Journal of Environmental Research and Public Health*, 17(13), 4702.
<https://www.mdpi.com/1660-4601/17/13/4702>
- Joe, W., Kumar, A., Rajpal, S., Mishra, U. S., & Subramanian, S. V. (2020). Equal risk, unequal burden? Gender differentials in COVID-19 mortality in India. *Journal of Global Health Science*, 2(1).
<https://pc.e-jghs.org/DOIX.php?id=10.35500/jghs.2020.2.e17>
- Rajpal, S., Joe, W., Subramanyam, M. A., Sankar, R., Sharma, S., Kumar, A., & Subramanian, S. V. (2020). Utilization of Integrated Child Development Services in India: Programmatic Insights from National Family Health Survey, 2016. *International Journal of Environmental Research and Public Health*, 17(9), 3197.
<https://www.mdpi.com/1660-4601/17/9/3197>
- Rajpal, S., Joe, W., Kim, R., Kumar, A., & Subramanian, S. V. (2020). Child Undernutrition and Convergence of Multisectoral Interventions in India: An Econometric Analysis of National Family Health Survey 2015–16. *Frontiers in Public Health*, 8.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7188776/pdf/fpubh-08-00129.pdf>
- Liou, L., Joe, W., Kumar, A., & Subramanian, S. V. (2020). Inequalities in life expectancy: An analysis of 201 countries, 1950–2015. *Social Science & Medicine*, 112964.
<https://www.sciencedirect.com/science/article/pii/S0277953620301830>
- Omar Karlsson, Rockli Kim, William Joe & S. V. Subramanian (2020) The relationship of household assets and amenities with child health outcomes: An exploratory cross-sectional study in India 2015–2016, *SSM – Population Health*, (10).
<https://www.sciencedirect.com/science/article/pii/S2352827319302915>
- J M Perkins, S Chakrabarti, William Joe, H-Y Lee, J Heo, J-K Lee, J Oh and SV Subramanian (2019) Changes in socio-economic patterns of energy consumption and insufficient energy intake across India from 1993–94 to 2011–12, *Public Health Nutrition*, July 2019.
<https://doi.org/10.1017/S1368980019001484>
- Rockli K, S Rajpal, William Joe, D J Corsi, R. Sankar, A Kumar & S V Subramanian (2019) Assessing associational strength of 23 correlates of child anthropometric failure: An econometric analysis of the 2015–2016 National Family Health Survey, India, *Social Science and Medicine*, 2019.
<https://www.sciencedirect.com/science/article/pii/S0277953619303594>
- William Joe, S. Rajpal, Rockli K, A. Laxmaiah, R. Harikumar, N. Arlappa, I. Meshram, N. Balakrishna M. Radhika, S. Swaminathan and S.V. Subramanian (2019) Association between Anthropometric-based and Food-based Nutritional Failure among Children in India, 2015, *Maternal and Child Nutrition*, April 2019.
<https://onlinelibrary.wiley.com/doi/abs/10.1111/mcn.12830>

- Rockli K, P.K. Pathak, Y Xu, William Joe, Alok Kumar, R. Venkataraman & S V Subramanian (2019) Micro-geographic targeting for precision public policy: Analysis of child sex ratio across 587,043 census villages in India, 2011, *Health and Place*, Volume 57 May 2019.
<https://www.sciencedirect.com/science/article/abs/pii/S1353829218311675>
- Rockli K, A. Swaminathan, R. Kumar, Yun Xu, J C Blossom, R. Venkataraman, A. Kumar, William Joe & S V Subramanian (2019) Estimating the burden of child malnutrition across parliamentary constituencies in India: A methodological comparison, *SSM – Population Health*, (Vol. 7, Apr 2019).
<https://www.sciencedirect.com/science/article/pii/S2352827318303732>
- Omar Karlsson, Rockli Kim, William Joe & S. V. Subramanian (2018) Socio-economic and Gender Inequalities in Neonatal, Postneonatal and Child Mortality in India: A repeated Cross-sectional Study, 2005-16, *Journal of Epidemiology and Community Health*, (doi: 10.1136/jech-2018-211569).
<https://jech.bmj.com/content/early/2019/03/28/jech-2018-211569>
- Sutapa Agrawal, Rockli Kim, Jewel Gausman, Smriti Sharma, Rajan Sankar, William Joe & SV Subramanian (2018) Socio-economic Patterning of Food Consumption and Dietary Diversity among Indian Children: Evidence from NFHS-4, *European Journal of Clinical Nutrition*, (Feb 2019).
<https://www.nature.com/articles/s41430-019-0406-0.pdf>
- William Joe, J. M. Perkins, & S. V. Subramanian (2018) Community Involvement, Trust, and Health-Related Outcomes among Older Adults in India: A Population-Based, Multilevel Cross-Sectional Study, *Age and Ageing*, 48(1): 87-93.
<https://academic.oup.com/ageing/article/48/1/87/5149916>
- William Joe, J. M. Perkins, S. Kumar, S. Rajpal & S. V. Subramanian (2018) Institutional Delivery in India, 2004 – 2014: Unravelling the Equity-Enhancing Contributions of the Public Sector, *Health Policy and Planning*, 33(5):645-653.
<https://academic.oup.com/heapol/advance-article/doi/10.1093/heapol/czy029/4962123>
- William Joe & S. Rajpal (2018) Unravelling the Socioeconomic Gradient in the Incidence of Catastrophic Health Care Expenditure: A Comment, *Health Policy and Planning*, 33(5):699-701.
<https://academic.oup.com/heapol/advance-article/doi/10.1093/heapol/czy026/4956817>
- William Joe, A. Kumar & S. Rajpal (2018) Swimming against the Tide: Economic Growth and Demographic Dividend in India, *Asian Population Studies*, 14(2): 211-27.
<https://www.tandfonline.com/doi/full/10.1080/17441730.2018.1446379>
- Sunil Rajpal, Abhishek & William Joe (2018) Economic burden of cancer in India: Evidence from cross-sectional nationally representative household survey, 2014, *PloS One*, 13(2): e0193320.
<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0193320>
- William Joe & S V Subramanian (2017) Subjective health and well-being: Toward robust cross-cultural comparisons, *SSM – Population Health*, 3: 814-16.
<http://www.sciencedirect.com/science/article/pii/S2352827317301799>
- Rudra, S., Kalra, A., Kumar, A., & Joe, W. (2017). Utilization of alternative systems of medicine as health care services in India: Evidence on AYUSH care from NSS 2014. *PloS one*, 12(5), e0176916.
<http://journals.plos.org/plosone/article/comments?id=10.1371/journal.pone.0176916>

- William Joe and U S Mishra (2017) Reckoning level differentials in the measurement of progress: An illustration in the context of deliveries assisted by skilled health personnel in LDCs, *Journal of International Development*, 29: 330-50.
<http://onlinelibrary.wiley.com/doi/10.1002/jid.3207/abstract>
- R Rajaram, J Perkins, William Joe & SV Subramanian (2016) Individual and community levels of maternal autonomy and child undernutrition in India, *Intl Journal of Public Health*, 62(2): 327-35.
<https://link.springer.com/article/10.1007/s00038-016-0850-8>
- William Joe, R Rajaram and S V Subramanian (2016) Understanding the null-to-small association between increased macroeconomic growth and reducing child undernutrition in India: role of development expenditures and poverty alleviation, *Maternal & Child Nutrition*, 12 (S1), pp. 196–209.
<http://onlinelibrary.wiley.com/doi/10.1111/mcn.12256/full>
- William Joe, S Rudra and S V Subramanian (2015) Horizontal inequity in elderly health care utilization: Evidence from India, *Journal of Korean Medical Sciences*, 30: S155-166.
<https://www.jkms.org/Synapse/Data/PDFData/0063JKMS/jkms-30-S2: S155.pdf>
- William Joe (2015) Distressed Financing of Household Out-of-Pocket Healthcare Payments in India: Incidence and Correlates, *Health Policy and Planning*, 30 (6): 728-741.
<https://academic.oup.com/heapol/article-lookup/doi/10.1093/heapol/czu050>
- William Joe (2015) Intersectional Inequalities in Immunization in India 1992-93 to 2005-06: A Progress Assessment, *Health Policy and Planning*, 30 (4): 407-422.
<https://academic.oup.com/heapol/article-lookup/doi/10.1093/heapol/czu023>
- William Joe, U. S. Mishra & K. Navaneetham (2013) Inter-Group Inequalities in Child Undernutrition in India: Group Analogue of Gini Coefficient and Atkinson's Index, *Oxford Development Studies*, 41:2, 239-257.
<http://www.tandfonline.com/doi/full/10.1080/13600818.2013.796353>
- Indrani Gupta & William Joe (2013) Refining Estimates of Catastrophic Healthcare Expenditure: An Application in the Indian Context, *International Journal of Health Care Finance & Economics*, 13(2): 157-72.
<https://link.springer.com/article/10.1007/s10754-013-9125-6>
- Indrani Gupta, William Joe & Shalini Rudra (2013) HIV Prevention: Towards a 'Structural-Plus' Approach, *Health*, Vol.5(1), 102-108.
<https://www.scirp.org/Journal/PaperInformation.aspx?PaperID=26858>
- Kirti Gaur, Kunal Keshri & William Joe (2013) Does living in slums or non-slums influence women's nutritional status? Evidence from Indian mega-cities, *Social Science & Medicine* vol. 77.
<http://www.sciencedirect.com/science/article/pii/S0277953612007666>
- U. S. Mishra, William Joe & R. N. Mishra (2011), Towards Making Comparison of Dichotomous Measures Robust: A Case of Calorie Under nourishment, *Empirical Economics Letters* 10(3): 259-67.
<http://www.eel.my100megs.com/volume-10-number-3.htm>
- William Joe, U. S. Mishra & K. Navaneetham (2010), Socioeconomic Inequalities in Child Health: Recent Evidence from India, *Global Public Health*, vol. 5(5) pp.493-508.

<http://www.tandfonline.com/doi/full/10.1080/17441690903213774>

- U. S. Mishra & William Joe (2010), Defining poor to defining rich: Gauging the middle class in India, *Economics Bulletin* Vol. 30 no.4 pp. 3321-28.
<http://www.accessecon.com/Pubs/EB/2010/Volume30/EB-10-V30-I4-P307.pdf>
- U. S. Mishra & William Joe (2010), Socioeconomic inequalities in childhood undernutrition in India: An application of the corrected concentration index, *Economics Bulletin* Vol.30.(1) p.847-54.
<http://www.accessecon.com/Pubs/EB/2010/Volume30/EB-10-V30-I1-P79.pdf>
- William Joe, U. S. Mishra & K. Navaneetham (2009), Inequalities in Childhood Malnutrition in India: Some Evidence on Group Disparities, *Journal of Human Development & Capabilities* 10(3) pp. 417-39.
<http://www.tandfonline.com/doi/abs/10.1080/19452820903048886>

National Journals

- Sayeed Unisa, Laxmikant Dwivedi, Tejal Lakhani, William Joe, Vaishali Chaurasia, Nandini Roy and Prakash Fulpagare, (2021) A Longitudinal Assessment of Correlates of Linear Growth and Stunting Status in Maharashtra, India, *Journal of Family Welfare*, vol. 64, special issue, pp.1-17.
- Rajeev Sharma, Sandip Surwade and William Joe, (2021) Trends in nutritional security: An analysis of Indian states, *Journal of Agricultural Development and Policy*, 29(2), pp.105-19.
<http://isadp.in/publication/a1.pdf>
- Sunil Rajpal, Rockli Kim, Rajan Sankar, Alok Kumar, William Joe, and S V Subramanian, Frequently asked questions on child anthropometric failure in India, *Economic and Political Weekly*, 55(6), Feb 8, 2020
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RESEARCH PAPERS IN NATIONAL AND INTERNATIONAL SEMINARS/CONFERENCES

- Measuring Health System Resilience in India in the context of COVID 19 pandemic, IIPS International Seminar, 18-20 March 2021, IIPS, Mumbai (virtual event).
- Twin births and neonatal mortality in India: Trend and patterns, 1992-2016, 8th Annual Conference of Indian Health Economics and Policy Association (IHEPA) on Social Determinants of Health, Jan 23-24, 2020, organized by National Institute of Science Education and Research, Bhubaneswar.
- Integrated Child Development Services (ICDS) Scheme of India: Implementation and Governance Issues, Conference on Public Health Nutrition: enriching the cycle of research, public policy and practice, Jan 30-31, 2020, organized by National Institute of Technology, Rourkela, Odisha.
- Health insurance coverage in India: Insights for the National Health Protection Scheme, 4th knowledge dissemination workshop of PRCs, 16-17 Jan 2020, organized by PRC Patna, Department of Statistics, Patna University, Patna.
- Household assets and wealth quintiles, India 2006-16: Insights on Economic Inequalities, International Seminar on 25 years of National Family Health Survey in India, Lessons Learnt and Way Forward, New Delhi, October 2019.
- Twin Births and Child Mortality in India: Trends and Patterns, National Seminar on Population, Health and Environment, G B Pant Social Science Institute, Prayagraj, Sep 2019.
- Improving diets as a part of Anemia Mukta Bharat, 46th Annual National Conference of Indian Association of Preventive & Social Medicine, Shimla, Mar 7-10, 2019.
- Decadal trends and predictors of maternal and child dietary diversity in India, Improving Dietary Diversity under POSHAN Abhiyaan, NITI Aayog and UNICEF, Feb 20-21, 2019.

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- Equal efforts, unequal outcomes: Social demographics and district level progress in institutional delivery and immunization coverage in nine high focus Indian states, Indian Association for the Study of Population, Dec 2016.
- Socioeconomic status and nutrition transition in India, Population Association of America (PAA) 2016 annual meeting, Washington DC March-April 2016.
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- Demographic Transition, Savings and Economic Growth in China and India, 57th Annual Conference of The Indian Society of Labour Economics, 10-12 October 2015, Srinagar, Jammu & Kashmir.
- Population Structure and Economic Growth in India, Population Association of America (PAA) 2015 annual meeting, San Diego (CA) April-May 2015.
- Intersectional inequalities in immunization in India, Development Meet 2014, Central University of Bihar, February, 2014.
- Horizontal inequities in healthcare utilization by elderly in India, Health Systems Reform in Asia: Equity, Governance and Social Impact, Singapore December 13-16, 2013
- Measles Vaccination Coverage in India: An Alternative Approach for Progress Assessment, 2nd Asian Population Association (APA) Conference, Bangkok, Thailand, August 2012
- Health Inequalities, Level Differentials and Progress Assessment: Measles Vaccination Coverage in India, Indian Health Economics and Policy Association, Delhi 2011.
- Inequalities in Child Undernutrition in India: A decomposition analysis using NFHS 3, IUSSP International Conference on Population Studies, Morocco 2009
- Examining Health Inequities in Arab World: Some Policy Considerations, IUSSP international conference on population studies, Morocco 2009
- Measuring Progress towards MDGs in Child Health: Should Base Level Sensitivity and Inequality Matter? IIPS, Mumbai 2009 and Centre for Development Studies, Kerala 2009
- Health Inequality in India: Evidence from NFHS 3, International conference of the Human Development Capability Association, New Delhi, India 2008
- Fairness in Financing Outpatient Care in India; Revisiting the WHO's FFC Index, National Conference at SCTIMST Trivandrum Jan 2008 and the 29th Annual conference of the Indian Association for the Study of Population, Varanasi, India 2008
- Resource Degradation and Distributional Inequalities: An Analysis of Fisheries Development Policy in Kerala, India, IDR Workshop, Madras Institute of Development Studies (MIDS), Chennai 2008.
- Strategy of Zoning Amidst Distributive Concerns, International conference of South and South East Asian Econometric Society, Chennai, Dec. and Development convention, Southern Indian ICSSR institutes at CMDR, Dharwad, 2006
- Migration-poverty nexus: examining poverty among migrants in urban India, Multi-dimensions of urban poverty, organized by CSH, New Delhi & IGIDR Mumbai, 2006

- Marriage squeeze and child sex ratio in India, workshop on Sex ratio in India, jointly organized by Lund University and ISEC Bangalore, 2006
- Unemployment rate in Goa, State Level Seminar “Goan Economy since Liberation”, Goa University, 2004

INVITED TALKS/LECTURES/SEMINARS/RESEARCH METHODS TRAININGS

- Maternal and Childhood Obesity: Trends and Patterns, National Consultation on Prevention of Maternal, Adolescent and Childhood Obesity in India, NITI Aayog, Jun 2021.
- Way forward for Anemia Mukht Bharat in India, 48th Annual Conference of Indian Association of Preventive and Social Medicine, 19 – 21 March 2021 at PGIMER, Chandigarh (Virtual Mode).
- Success stories and challenges of Anemia Mukht Bharat (AMB), AMB score card and ranking of States/UTs, 64th Annual National Conference of the Indian Public Health Association, 29 February – 2 March, 2021, AIIMS, New Delhi.
- Tackling Obesity in Pregnancy – Landscaping Study on Prevalence, Determinants, Regulatory and Programme Options in India, Strengthening maternal nutrition screening and services in antenatal care in India, e-dialogue series, 26 February 2021, National Institute of Nutrition, Hyderabad (virtual event).
- Pediatric Anemia in India: Current scenario, Challenges, and solutions, 28 January 2021, AIIMS, New Delhi (virtual event).
- Maternal and Child Nutrition, (Virtual event) Lecture, UGC Refresher Course in Geography and Environmental Studies, Jamia Millia Islamia University, New Delhi, Nov 17, 2020.
- Mixed Methods Research, (Virtual event) Lecture, MBA (Rural Management), IIHMR University, Jaipur, Oct 29, 2020.
- Anemia Mukht Bharat, (Virtual event) Lecture, MBA (Pharmaceutical Management), IIHMR University, Jaipur, Sep 9, 2020.
- Promotion of Family Planning in Bihar, Virtual Webinar “The Need for a Focussed Pathway towards Improving Information and Access of Spacing Contraception for Family Planning among Young Population in Bihar”, Centre for Catalyzing Change, New Delhi, Sep 25 2020.
- Co-Chair: Session on “Systems strengthening: Human resources, infrastructure, and financing”, 3rd Conference on “Delivering for Nutrition in India: Insights from Implementation Research”, September 14-18, 2020 (Virtual Conference).
- When it Rains, it Pours: Stylized Facts on Covid-19 Pandemic and Calibrated Policy Response, Economics Alumni Association Webinar, Goa Business School, Goa University, Jul 29, 2020.
- Anemia Mukht Bharat: An Integrated Nutrition and Health Information System, AMB Webinar Series #2, Strengthening Information Systems to Support Programme Coverage with Quality, New Delhi, Jun 2020.
- National Fact sheet on IFA Supply Chain Assessment: Results and Recommendations, AMB Webinar Series #1, Ensuring Uninterrupted Supplies to Last Mile, New Delhi, Jun 2020.
- Preventing the Intergenerational Cycle of Undernutrition, Observer Research Foundation, New Delhi, Nov 2019.

- Factors affecting implementation of ICDS services - governance, human resource capacity, and other barriers', Delivering for Nutrition in India: Insights from Implementation Research, International Food Policy Research Institute (IFPRI), New Delhi, Sep 2019.
- Estimating Inequality in Education, Research Methodology Course on Large Scale Surveys: Data Analysis and Tools, National Institute of Educational Planning and Administration, New Delhi, September 2019.
- Introduction to Stata for Data Analysis, Course on Research Methods on Gender, Poverty and the Informal Economy, V V Giri National Labour Institute, Noida, September 2019.
- Measuring Health Inequality, IHEPA-APU Summer School on Health Policy, Centre for Multi-Disciplinary Development Research, Dharwad, June 2019
- Nutritional Epidemiology: Data management tools and advanced statistics, NCEAR-D and IIPS, Lady Irwin College, Delhi, Apr 2019.
- Heteroscedasticity and Autocorrelation, Research Methodology Course, Institute of Development Studies, Kolkata (IDS-K), Mar 2019.
- Estimating Inequality in Education, National Institute of Education Planning and Administration (NIEPA), Delhi, Mar 2019.
- Health Policy and Planning, Sardar Patel Institute of Economic and Social Research (SPISER), Ahmedabad, Feb 2019.
- Health Insurance in India, Department of Economics, Central University of Gujarat, Gandhinagar, Feb 2019.
- Measurement of Inequality, National Institute of Science Education and Research (NISER), Bhubaneswar, Feb 2019.
- The Rich, the Poor and the Middle Class in India: Re-engaging with Measurement for (All) Practical Purposes, Institute of Economic Growth, Delhi, Dec 2018.
- Swastha Bharat Preraks Training Programme, Tata Trusts, Oct 2018.
- Health Insurance, All India Institute of Ayurveda (AIIA), Delhi, September 2018.
- Techniques for Mixed Methods Research, National Statistical Systems Training Academy (NSSTA), Noida, January 2018
- Sample Design of Health Surveys in India, National Statistical Systems Training Academy (NSSTA), Noida, December 2017
- Integration of Geography in Social Sciences and Public Health Research, Department of Geography, Delhi University, November 2017
- Chronic Disease Surveillance in India, Longitudinal Aging Study in India (LASI) Training Workshop, Institute of Economic Growth, Delhi, October 2017
- Beyond life expectancy at birth: A cross-country analysis of convergence and disparities, 1950-2015, Harvard Pop Centre, Harvard University, Cambridge, September 2017
- Economic Growth and Demographic Dividend: The Indian Experience, South Asian University, New Delhi, September 2016
- IHEPA-APU Summer School on Health Policy, Azim Premji University, Bengaluru, June 2016

- Health Economics, Research Methodology Orientation Programme, Institute of Economic Growth, Delhi, May 2016
- Research Methodology Workshop for Ph.D. Scholars, Giri Institute of Development Studies, Lucknow, April 2016
- Inequality Measures in Health, 1st Refresher Course in Economics, Jawaharlal Nehru University, New Delhi, August 2015
- Refresher Course on Demographic Concepts and Methods, Centre for Development Studies, Trivandrum, June 2015
- Research Methodology Workshop, Giri Institute of Development Studies, Lucknow, March 2015
- Demographic Statistics, IES Probationers Training, Institute of Economic Growth, Delhi, Feb 2015
- Bengaluru Boston Nutrition Collaborative (BBNC), St. John's Research Institute, Bengaluru, Jan 2015
- State-level workshop on Policy Models for Evidence-based Decision Making and Advocacy, Futures Group International India, Lucknow, May 2012
- MA-Sustainable Development Practice, TERI University, New Delhi, March 2012
- Statistical Analysis using SPSS, Utkal University, Bhubaneswar, December 2011.

SCHOLARSHIPS

- Bernard Lown Scholar, Harvard T. H. Chan School of Public Health, Harvard University, Boston <https://www.hsph.harvard.edu/lownscholars/lown-scholars> 2014 - Present
- Visiting Scientist, Harvard T. H. Chan School of Public Health, Harvard University, Boston, United States, Feb 2017 – Sep 2017
- Government of India UGC Junior Research Fellowship for PhD (2006-09).
- Centre for Development Studies Fellowship for MPhil in Applied Economics 2004-06.
- UGC-JRF & SRF in Economics, 2004-09
- UGC National Eligibility Test for Lecturership in 'Economics' 2004.
- D K Raju memorial gold medal, M.A. Economics, Goa University 2004.
- G. D. Parikh memorial scholarship and G. V. Kamat endowment prize for highest marks in M.A. (Econ), Goa University 2004.
- P. R. Dubashi scholarship for highest marks in M.A. Social Sciences, Goa University 2004.
- R. K. Hazari scholarship for highest marks in International Economics & Public Finance in BA (Econ) final year, Goa University 2002.
- MES College Annual Merit Scholarships for highest marks in BA courses during 1999-2002).
- International travel scholarship, Population Association of America Meeting 2015, Washington DC.
- International travel scholarship, Health System in Asia 2013, Singapore
- International travel scholarship, Asian Population Association Conference 2012, Bangkok, Thailand.

- International travel scholarship, IUSSP Conference 2009, Marrakech, Morocco.

WORKSHOP PARTICIPATION

- Sampling design for large scale surveys, International Institute for Population Sciences (IIPS), Mumbai, May-Jun 2021.
- Exploring analytics using R, Population Research Centre, Institute of Economic Growth (IEG), May 2020.
- Gender analysis of health: Workshop for researchers using large scale data sets, International Institute for Population Sciences (IIPS), Mumbai, Oct 2019.
- Data training workshop for SPSS, R and Tableau, Population Research Centre, Institute of Economic Growth (IEG), Sep 2019.
- Young Lives India, Data usage workshop, Population Research Centre, Institute of Economic Growth (IEG), May 2018.
- Geographic Information System (GIS) Analysis, Center for Geographic Analysis (CGA), Harvard University, Cambridge, May-June 2017.
- Lectures on Multi-Level Analysis and Modelling, Prof. S V Subramanian, Harvard University, February-May 2017.
- Training of Trainers Workshop, Longitudinal Aging Study in India (LASI), International Institute for Population Sciences (IIPS), Mumbai, October 2016.
- Program Evaluation & Impact Assessment, The World Bank & NCAER Workshop, March 2013, New Delhi.
- National Workshop on Computer Models for Population and Family Planning for Evidence-Based Advocacy and Decision-Making, Futures Group International India and National Institute for Health and Family Welfare (NIHFW), New Delhi April 2012.
- Workshop on Health Equity Analysis, The World Bank, New Delhi, June 2011
- Development and Inequality in Global South, Brown University, June 2009, Providence, US.
- Econometrics for Health Research, LSTMH and IIT Madras, Chennai.
- Introductory course in environmental and natural resource economics organized by South Asian Network for Development and Environmental Economics (SANDEE), Dhaka, Bangladesh.

WORKSHOPS/CONFERENCES/WEBINARS ORGANISED

- Anemia Mukht Bharat Webinar Series#5: Increasing Financial Efficiency of AMB: Lessons and Opportunities, Nov 2020
Participants: Senior Officials from MoHFW, Experts from Development Partners and Agencies
Funding: UNICEF (in collaboration with Accountability Initiative, Centre for Policy Research)
Venue: Institute of Economic Growth, Delhi
- Delivering for Nutrition in India: Insights from Implementation Research, Sep 2020
Participants: academics, implementers, development partners, and policy makers
Venue: Virtual Event, Led by IFPRI

- Anemia Mukht Bharat Webinar Series#2: Strengthening Information Systems to Support Programme Coverage with Quality, Jun 2020
Participants: Senior Officials from MoHFW, Experts from Development Partners and Agencies
Funding: UNICEF
Venue: Institute of Economic Growth, Delhi
- Anemia Mukht Bharat Webinar Series#1: Ensuring Uninterrupted Supplies to Last Mile, May 2020
Participants: Senior Officials from MoHFW, Experts from Development Partners and Agencies
Funding: UNICEF
Venue: Institute of Economic Growth, Delhi
- Improving Maternal Nutrition: A Review of Evidence on the One-Full Meal Program, Mar 2020
Participants: Experts from Development Partners and Agencies
Funding: UNICEF (in collaboration with IFPRI, UNICEF and NNMB)
Venue: Institute of Economic Growth, Delhi
- Comprehensive National Nutrition Survey (CNNS) Data User Workshop, Jan 2020
Participants: Senior Officials from MoHFW, Researchers and Analysts from Development Partners
Funding: UNICEF
Venue: Institute of Economic Growth, Delhi
- Measuring the Progress toward Gender Equality within SDGs Framework, Dec 2019
Participants: Experts from Development Partners and Agencies
Funding: SAHAJ and Tata Trusts
Venue: Institute of Economic Growth, Delhi
- Iron and Folic Acid (IFA) Supply Chain Assessment under Anemia Mukht Bharat in May 2019
Participants: Experts from Development Partners and Agencies
Funding: UNICEF
Venue: Institute of Economic Growth, Delhi
- Training Module on “Micro- and Macro-Economic Theory” in February 2018
Participants: Probationary Officers, Indian Statistical Services (ISS)
Funding: NSSTA, Ministry of Statistics and Programme Implementation, Government of India
Venue: Institute of Economic Growth, Delhi
- Refresher Course on “Econometrics” in December 2014
Participants: In-Service Officers, Indian Statistical Services (ISS) and Senior Officers of States/UTs
Funding: NSSTA, Ministry of Statistics and Programme Implementation, Government of India
Venue: Institute of Economic Growth, Delhi
- Research Workshop on “National Health Mission: Achievement and Challenges” in September 2014
Participants: Young Researchers from Research Institutes and Universities
Funding: Think Tank Initiative, IEG and ICSSR, Government of India
Venue: Institute of Economic Growth, Delhi
- National Conference on “National Rural Health Mission: A Review of Past Performance and Future Directions” in August 2013
Funding: Think Tank Initiative, IEG, ICMR, ICSSR, Ministry of Health and Family Welfare
Venue: Institute of Economic Growth, Delhi

- Research Workshop on “Health Inequality in India: Concepts, Methods and Evidence” in July 2013
Participants: Young Researchers from Research Institutes and Universities
Funding: Think Tank Initiative, IEG and ICSSR
Venue: Institute of Economic Growth, Delhi

LIFE-MEMBERSHIP

- Indian Association for Study of Population (IASP)
- Indian Health Economics and Policy Association (IHEPA)
- Association of Gerontology India (AGI)

MAILING ADDRESS

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