

ARUN BALACHANDRAN

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[Twitter Profile](#) | [LinkedIn Profile](#)

EDUCATION

2023-	Postdoctoral Fellow, Columbia University. Advisor: Daniel Belsky, PhD
2021-2023	Postdoctoral Fellow, Department of Sociology, University of Maryland, United States of America (Non-degree). Advisor: Prof. Sonalde Desai PhD, Demography, The University of Groningen, The Netherlands
2020	Advisors: Prof. Fanny Janssen, Prof. KS James, Prof. Leo van Wissen
2015	Pre-doctoral Coursework, Institute for Social and Economic Change, Bengaluru, India
2013	MSc. Economics (Financial), Madras School of Economics, Chennai, India
2011	B.A. Economics, University of Kerala, Kerala, India

PROFESSIONAL EXPERIENCE

January 2020- January 2021	Programme Officer, Population Council, New Delhi
October 2019-January 2020	Research Associate, Centre for Population, Health and Development, Tata Institute for Social Sciences, Mumbai
June 2019- September 2019	Research Associate, Indian Council for Medical Research project, Institute for Social and Economic Change, Bengaluru
August 2013- July 2014	Assistant Professor in Economics, School of Management, Lovely Professional University, India
June- August 2013	Academic Author (Economics Wing), ANSR Source Pvt. Ltd., Chennai

Teaching assignments:

January 2024	Workshop on longitudinal data analysis using India Human Development Survey at the International Institute for Migration and Development, India
October 2023	Seminar on Aging and Public Health, for Master's and Doctoral scholars at the Mailman School of Public Health, Columbia University, New York
April 2022	Workshop on 'STATA for health and migration research' at International Institute for Migration and Development, India
October 2020	Lecture on Global Health Challenges in the course Development themes and Challenges at University of Utrecht, The Netherlands
July 2020	Course on Applied Time Series Econometrics for Doctoral scholars at Centre for Economic and Social Studies, Hyderabad, India
September 2019	Course on 'Analyzing longitudinal data in the field of Population Health' for Population Research Centre professionals across India at <i>Training Workshop on Data Management and Analysis</i> at Institute for Social and Economic Change, Bengaluru, India

- August 2018 Course on Applied Demography for post-graduate course at Institute for Health Management Research (IIHMR), Bengaluru, India
- August 2017 3-day Workshop on Applied Econometrics using EViews and STATA at Government Arts College, Kottayam, India
- November 2016 Lectures at University of Groningen, Netherlands in the courses: (i) Population and Development & (ii) Healthy Ageing

ACADEMIC ACHIEVEMENTS

- 2021 Fellowship at Department of Sociology, University of Maryland, USA
- 2019 Prof. K B Pathak Memorial Award for contributions to methodological innovation in Population and Health, by Indian Association for the Study of Population
- 2019 Best Paper Award at the 7th Indian Health Economics and Policy Association Conference organized by Gulati Institute of Finance and Taxation (GIFT), United Nations Population Fund (UNFPA), Azim Premji University and International Institute of Population Studies at Thiruvananthapuram, Kerala, India
- 2017 Full Scholarship Grant to attend ADRI/IIASA Summer School "Demography, Human Capital and Economic Growth", organized by Asian Demographic Research Institute, Shanghai, China and International Institute for Applied Systems Analysis, Vienna, Austria at Shanghai, China
- 2015 *Ubbo Emmius* Fellowship for Doctoral programme at University of Groningen, The Netherlands
- 2014 Topped in Econometrics and Applied Econometrics in PhD course-work at Institute for Social and Economic Change, India
- 2014 Indian Council for Social Science Research (ICSSR) Doctoral fellowship for PhD at Institute for Social and Economic Change, India
- 2013 Passed National Eligibility Test (NET) for lectureship conducted by University Grants Commission, New Delhi
- 2011 Admission offer and partial scholarship offer from the London School of Economics and Political Science (LSE) for Master's programme

PUBLICATIONS

JOURNAL ARTICLES

Arun Balachandran and K. S. James (2021). A multi-dimensional perspective on the gender gap in health among older adults in India and China: Application of a new ageing measure. *Ageing & Society*, 41(5). doi:10.1017/S0144686X19001521

Arun Balachandran, K. S James, Leo van Wissen, Samir KC and Fanny Janssen. (2021). Can changes in education alter future population ageing in Asia and Europe? *Journal of Biosocial Science*, 1-13.

Arun Balachandran, K. S James, Leo van Wissen, Samir KC and Fanny Janssen. Can changes in education alter future population ageing in Asia and Europe? *Working Paper 2020/03, Netherlands Interdisciplinary*

Research Institute (NIDI), The Hague. (2020). <https://publ.nidi.nl/output/papers/nidi-wp-2020-02.pdf>

Arun Balachandran, Joop De Beer, K. S James, Leo Van Wissen, and Fanny Janssen (2019). Comparison of Population Aging in Europe and Asia Using a Time-Consistent and Comparative Aging Measure. *Journal of Aging and Health*, 0898264318824180.

Arun Balachandran and K. S. James (2019). A multi-dimensional measure of population ageing accounting for Quantum and Quality in life years: An application of selected countries in Europe and Asia. *SSM-population health*, 7, 100330.

Arun Balachandran and Feinian Chen (2021). Geographic variation in gender gap among older adults in India and China: Application of a new ageing measure. *Innovation in Aging*, 5(Suppl 1), 864-864.

Saravanakumar, P., **Arun Balachandran**, Muhammad, T., Drishti, D., & Srivastava, S. (2022). Wealth disparity and frailty among community-dwelling older adults in India. *BMC Public Health*, 22(1), 1-12.

Muhammad, T., **Arun Balachandran**, Kumar, P., & Srivastava, S. (2022). Obesity-related measures and successful ageing among community-dwelling older adults in India: a cross-sectional study. *Scientific Reports*, 12(1), 1-12.

CV Irshad, T Muhammad, **Arun Balachandran**, TV Sekher, Umakant Dash (2022). Early life factors associated with old age physical frailty: evidence from India. *Aging and Health Research*, 2(3), 100089.

T Muhammad, **Arun Balachandran**, and Shobhit Srivastava. (2021). Socio-economic and health determinants of preference for separate living among older adults: A cross-sectional study in India. *PLoS One*, 16(4), e0249828.

Sobin George, **Arun Balachandran** and KN Anushree (2021). The Abysmal State of Drug Cost Containment Measures in India: Evidences from Expenditure on Cancer Medicine, Working Paper-510, Institute for Social and Economic Change, India

George, Sobin, **Arun B Chandran**, P. Omkar Nadh, and Apurva KH (2018). Is Drug Development in India Responsive to the Disease Burden? *Economic & Political Weekly* 53, no. 30 (2018): 51.

Arun Balachandran, Joop De Beer, K. S James, Leo Van Wissen, and Fanny Janssen. Comparison of ageing in Europe and Asia: Refining the prospective age approach with a cross- country perspective. *Working Paper 2017/01, Netherlands Interdisciplinary Research Institute (NIDI)*, The Hague. (2017). <https://www.nidi.nl/shared/content/output/papers/nidi-wp-2017-01.pdf>

Murray, C. J., Abbafati, C., Abbas, K. M., Abbasi, M., Abbasi-Kangevari, M., Abd-Allah, F.,... **Arun Balachandran**...& Nagaraja, S. B. (2020). Five insights from the global burden of disease study 2019. *The Lancet*, 396(10258), 1135-1159.

James, S. L., Castle, C. D., Dingels, Z. V.,...**Arun Balachandran**,...& Abdelalim, A. (2020). Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Injury Prevention*.

Lozano, R., Fullman, N.,**Arun Balachandran**,... & Abolhassani, H. (2020). Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*.

BOOK CHAPTERS

Ajay Mahal, **Arun Balachandran** and Srikanth Reddy Umenthala. "Supporting the "Demographic Dividend": Exploring the Economic Contribution of the Elderly in India" in *Handbook of Population Ageing*. Springer, 2023

K. S. James and **Arun Balachandran**. (2021). Demographic Politics in Asia's Super-Size Democracies: India, Bangladesh and Pakistan. In *Global Political Demography* (pp. 141-166). Palgrave Macmillan, Cham.

Arun Balachandran. "Quantifying population ageing: Re-thinking Methodologies" in *Handbook of Population Ageing*. Springer, 2023

Arun Balachandran and Satheesha B. "Labour force participation among the elderly in India: Choice or compulsion?" in *Handbook of Population Ageing*. Springer, 2021 (Accepted)

Arun B Chandran, and Anushree, K. N. (2016) "Climate Change and Sugarcane Productivity in Karnataka." In *Climate Change Challenge (3C) and Social-Economic-Ecological Interface- Building*, pp. 389-399. Springer, Cham.

RESEARCH BRIEFS

Arun Balachandran, K G Santhya and N Haberland. 2020. "Exploring the digital divide Access to and use of mobile phones, the internet, and social media by adolescents and young adults in Uttar Pradesh". Policy Brief. New Delhi: Population Council.

Arun Balachandran, K G Santhya and N Haberland. 2020. "Exploring the digital divide Access to and use of mobile phones, the internet, and social media by adolescents and young adults in Bihar". Policy Brief. New Delhi: Population Council.

OPINION IN MEDIA

Arun Balachandran, 'Transportation, Gender norms and Women's employment in the context of Urban India'. Women's Empowerment Data for Gender Equality (WEDGE) blog, July 23, 2022.

Arun Balachandran, YSI South Asia. 'Women's Work in South Asia: trends and challenges'. Economic Questions, Blog of Young Scholars' Initiative, June 17, 2021.

Arun Balachandran. 'Measuring The Gender Gap Among Older Adults in India and China: A Multidimensional Approach'. Women's Empowerment Data for Gender Equality (WEDGE) blog, February 25, 2021.

Arun Balachandran. 'Is Ayushman Bharat the answer to India's healthcare woes?' *eSocialSciences.org* (National level social science blog), February 28, 2019.

Arun Balachandran. 'Finance Panel: Changing Priorities'. Deccan Herald (National Newspaper), May 06, 2018.

MANUSCRIPTS IN PREPARATION/SUBMITTED FOR REVIEW _____

Arun Balachandran and Sonalde Desai. "Transportation, employment and gender norms: Evidence from Indian cities" (under review)

Arun Balachandran and K S James. "An Evaluation of the Economic Dependency in India" (under review)

CONFERENCE PRESENTATIONS _____

TALKS

Arun Balachandran and Sonalde Desai. Transportation, employment and gender norms: Evidence from Indian cities. Presented at SANEM-World Bank Fourth North America Discussion Forum 2023 at the World Bank, Washington DC.

Arun Balachandran. Rethinking measuring healthy ageing in India (*INVITED TALK*). Presented at ‘Healthy ageing: Priorities for the G20 in India’ on Tuesday 25 April 2023 at the International Longevity Centre UK in April 2023.

Arun Balachandran. Comparison of Population Aging in Europe and Asia Using Life-Expectancy Adjusted Comparative Aging Measure. Presented at the Population Association of America- Applied Demographic Conference, at Annapolis, Maryland, USA in February 2023.

Arun Balachandran. Population Ageing across countries using new measures of Population Ageing (*INVITED TALK*). Presented at the Programme in Population and Labor Economics of Faculty of Economics and Business, University of Indonesia in October 2022.

Arun Balachandran. Population Ageing in Rural India: Why should it matter? (*INVITED TALK*). Presented at the National Institute of Rural Development and Panchayati Raj, Hyderabad, under Union Ministry of Rural Development of Government of India in August 2022.

Arun Balachandran. Transporting Gender Empowerment? Role of transport in Women’s employment in Indian Cities. Presented at The Population Association of America (PAA) 2022 Annual Scientific Meeting, Atlanta, Georgia, April 2022.

Arun Balachandran and Feinian Chen. Geographic variation in gender gap among older adults in India and China: Application of a new ageing measure. Presented at The Gerontological Society of America (GSA) 2021 Annual Scientific Meeting, Phoenix, Arizona, November 2021.

Arun Balachandran and Ajay Bailey. Role of transport in employment among vulnerable groups: Intersectional evidence from Indian cities. Presented at The XXIX International Population Conference (IPC2021), Hyderabad, India (Held virtually), December 2021.

Arun Balachandran, K. S James, Leo van Wissen, Samir KC and Fanny Janssen K N. Can changes in education alter future population ageing in Asia and Europe? Talk presented at the 5th Asian Population Association (APA) Conference, Indonesia, August, 2021.

Arun Balachandran. Re-defining population ageing in India using new ageing indicators. Talk presented at 40th Annual Conference on Population, Nutrition and Development, organized by Indian Association for Study of Population at Thiruvananthapuram, India, 2019.

Arun Balachandran. Development in Kerala and Srilanka: An understanding through new measure of population ageing. Talk presented at Young Scholar’s Initiative (YSI), Asia Convening, organized by Institute for New Economic Thinking (INET), New York at Hanoi, Vietnam, 2019.

Arun Balachandran and K S James. A new ageing measure for multidimensional perspective on Gender Gap among older adults: A case of India and China. Talk presented at International Conference on Ageing in Asia, organized by Institute for Social and Economic Change, Bengaluru; International Institute for Population Sciences, Mumbai; and Program on the Global Demography of Aging, Harvard T.H. Chan School of Public Health, Harvard University, Boston, USA, at Bengaluru, India, 2019.

Arun Balachandran. Re-conceptualizing population ageing in India as a Triumph of Public Health: A multi-dimensional analysis. Talk presented at International Conference on ‘New Directions for Research on Ageing: Work, Care, and Mobility’, organized by Public Health Evidence South Asia (PHESA), Manipal Academy of Higher Education, India, in collaboration with Center for Innovative Ageing, Swansea University, U.K, International Institute for Population Sciences, Mumbai and Department of Human Geography and Planning, Utrecht University, The Netherlands, at Manipal, India, 2019.

Arun Balachandran. Conceptualizing population ageing in India as a Triumph of Public Health: An analysis using new ageing indicator. Talk presented at 7th Indian Health Economics and Policy Association Conference organized by Gulati Institute of Finance and Taxation (GIFT), United Nations Population Fund (UNFPA), Azim Premji University and International Institute of Population Studies at Thiruvananthapuram, Kerala, India, 2019.

Arun Balachandran Epidemiological and Health Patterns in India and new policy responses. Talk presented at 3rd Law Economics Policy Conference on Health 2018, organized by National Institute of Public Finance and Policy, New Delhi and Institute for New Economic Thinking, New York at New Delhi, India, 2018.

Arun Balachandran and Anushree K N. Health among the Elderly in India and China: A Comparison of Subjective and Objective Health outcomes. Talk presented at the Asian Population Association (APA) Conference, Shanghai, China, 2018.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparison of ageing in Europe and Asia: An analysis using mortality adjusted ageing measure. Talk presented at International Seminar on Mortality Analysis and Forecasting, jointly conducted by International Union for Scientific Study of Population (IUSSP), Max Planck Odense Center on the Biodemography of Aging (Denmark), Australian National University (Australia) and Jawaharlal Nehru University (India) at New Delhi, India, 2017.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia: adjusting for life-expectancy and cross-country differences. Talk presented at European Population Conference, Mainz, Germany, 2016.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia using a new mortality adjusted ageing indicator. Talk presented at Healthy Ageing, Population and Society (HAPS) Seminar organized by University of Groningen, Netherlands and Netherlands Interdisciplinary Demographic Institute (NIDI), Hague, Netherlands at Groningen, Netherlands, 2016.

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. The need for Comparison of current and future ageing in Europe and Asia using new ageing Indicators. Talk presented at International Seminar on 'Ageing and Well-being: Cross-Cultural Perspectives on Health and Social Care' organized by *AgeGlobe*, a research team comprising of 5 Global Universities/Institutes working in the area of population ageing: Tata Institute of Social Sciences, Mumbai; Institute for Social and Economic Change, Bengaluru; Centre for Development Studies, Thiruvananthapuram; The University of Groningen, Netherlands, and University of Southampton, UK, at Bengaluru, India, 2016.

Arun B Chandran, and Anushree, K. N. Climate Change and Sugarcane Productivity in Karnataka. Talk presented at International Seminar on Climate Change and Food Security: The Global and Indian Contexts organized by Institute for Social and Economic Change, Bengaluru and The University of Sydney, Australia at Bengaluru, India, 2015.

POSTERS

Arun Balachandran and Sonalde Desai. Understanding Aging Workforce and Employment Transitions at Older Ages in India. Poster presented at The Population Association of America (PAA) 2023 Annual Scientific Meeting, New Orleans, April 2023

Arun Balachandran and Feinian Chen. Are future incremental gains in educational investments higher for older women? Poster presented at The Population Association of America (PAA) 2022 Annual Scientific Meeting, Atlanta, Georgia, April 2022

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. New ageing indicators in Europe and Asia: Needs and Insights. Poster presented at public involvement programme at Municipality of Groningen called 'How to get to 100 - and enjoy it', organized by Healthy Ageing and Population Society (HAPS), University of Groningen, Netherlands, 2016

Arun Balachandran, Joop De Beer, K. S James, Leo van Wissen, and Fanny Janssen. Comparing ageing in Europe and Asia using new ageing Indicators: Few Insights. Poster presented at Dutch Demography Day organized by Dutch Demographic Society (NVD) at Utrecht, Netherlands, 2015

PARTICIPATION

- 2021 Population Association of America (PAA) Annual Meeting, held Online
- 2018 "*National Conference on Health Inequities in India: Transformative Research for Action*", organized by Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, Kerala, India
- 2016 28th REVES (Network on Health Expectancy) Conference on '*Determinants of Unusual and Differential Health Expectancy*' organized at Vienna University of Economics and Business, Vienna, Austria
- 2015 Seminar on New Directions in Health Economics, organized by Department of Economics, University of Groningen

ORGANIZATIONAL RESPONSIBILITIES

- 2023 Advisory Committee Member, South Asian Sociologists Community, American Sociological Association
- 2022 Organizer of *Vikasarth* Conversations, a three session series on 'Thirty Years of Indian Economic Reforms: Assessing the Growth and Development of Kerala' as part of Institute of New Economic Thinking
- 2021 Chair of the session *Urban Exposure to Risk* at The XXIX International Population Conference (IPC2021), 2021 by International Union for Scientific Study of Population
- 2021 Moderator of the session *Adverse Health Behaviors and Resilience* at the Asian Population Association Conference, 2021
- 2021 Discussant in the poster session *Ageing and the Life Course; and Mortality and Morbidity* in the Population Association of America Annual Meeting 2021
- 2021 Discussant in the session *Ageing and the Life Course; and Mortality and Morbidity* session at the Population Association of America Annual Conference, 2021
- 2021 Co-convenor of the theme 'Population Dynamics, Demographic Transition and Population Ageing' in the 5th Asian Population Association Annual Conference, Indonesia
- 2021 Discussant in the Global Health Governance Conference at the Annual festival 2021-Dialogues on Economic Realities, by Rethinking Economics Network

WORKSHOP PARTICIPATION

- January 2023 IUSSP training workshop on "Extracting Spatial Data on Environment for Research", organized by the International Union for the Scientific Study of Population (IUSSP)
- Sept 2022 Collaborative for Innovation in Data & Measurement in Aging (CIDMA) Institute, organized by The Center for Health and the Social Sciences (CHeSS), at the University of Chicago, USA

- June 2022 Eighth annual Berkeley Workshop on Formal Demography (in R software), organized by the Berkeley Population Center, University of California, Berkeley, USA
- June 2022 Course on Socio-economic Inequality in health organized by National Centre for Research Methods (NCRM), University of Southampton, United Kingdom
- May 2021 Seventh annual Berkeley Workshop on Formal Demography (in R software), organized by the Berkeley Population Center, University of California, Berkeley, USA
- July 2020 Research training course on Data Visualization-the art/skill cocktail (in R software), organized by the International Advanced Studies in Demography Research Training Programme and the Max Planck Institute for Demographic Research, Rostock, Germany
- July 2019 5th International Growth Centre-Indian Statistical Institute (IGC-ISI) Summer School on Development Economics, directed by London School of Economics and University of Oxford, held at New Delhi, India
- June 2017 ADRI/IIASA Summer School on '*Demography, Human Capital and Economic Growth*' organized by Asian Demographic Research Institute, Shanghai, China and International Institute for Applied Systems Analysis, Vienna, Austria at Shanghai, China
- June 2017 Summer School on Health Economics and Policy organized by Indian Health Economics and Policy Association (IHEPA) and Azim Premji University, Bengaluru, India, at Bengaluru, India
- June 2016 Summer School programme on '*The Demography of Health and Education*' organized by Wittgenstein Centre (IIASA, VID/ÖWA, WU), Vienna, Austria, at Vienna, Austria
- May, 2015 Workshop on '*Participatory Research Approaches in the Field of Ageing*' organized by Tata Institute of Social Sciences, Mumbai in collaboration with Institute for Social and Economic Change, Bengaluru, Centre for Development Studies, Thiruvananthapuram, University of Groningen, Netherlands, and University of Southampton, UK, at Mumbai, India.

PROFESSIONAL AFFILIATIONS AND SERVICES

Editorial team member: Journal of Global Ageing, Central and South Asia Region Editor (Published by Policy Press, in association with British Society of Gerontology)

Editorial Board Member: Humanities and Social Sciences Communications (Journal by Springer Nature)

Journal Reviews for: British Medical Journal Global Health, Vienna Yearbook of Population Research, SSM-Population Health, Social Indicators Research, Children and Youth Services Review, Ageing & Society, Archives of Gerontology and Geriatrics, Asian Development Review

Conference Reviews for: Population Association of America Annual Conference at Atlanta, USA (2022); Gerontological Society of America Annual Conference at Indianapolis, USA (2022); Asian Population Association Annual Conference (2021), Indonesia; XXIX International Population Conference (IPC2021), by International Union for Scientific Study of Population (IUSSP), India

Professional Organization Memberships

- Population Association of America (PAA)

- Gerontological Society of America (GSA)
- Maryland Population Research Centre (MPRC)
- Dutch Demographic Society (NVD)
- Asian Population Association (APA)
- International Union for Scientific Study of Population (IUSSP)
- Healthy Ageing and Population Society (HAPS), University of Groningen, Netherlands
- Indian Health Economics and Policy Association (IHEPA)

Other Professional Services and Affiliations

- Member, Network on Life Course Health Dynamics, and Disparities in 21st Century America (NLCHDD)- an interdisciplinary group of scientists at the forefront of research on the social determinants of US population health and health disparities
- Affiliate, Maryland Population Research Center, University of Maryland, USA
- Affiliate, International Institute for Migration and Development, India
- Coordinator of the *South Asia Working Group* of Young Scholars' Initiative (YSI), an initiative by the Institute for New Economic Thinking (INET), New York, USA
- Member of South Asia Economic Policy Network, South Asia Chief Economist Office, World Bank Group
- Member, Global National Transfer Accounts Project (India Team)
- Contributed to the advisory report titled *Dare to Share*, prepared by the Dutch Government's Advisory Council for Science, Technology and Innovation (AWTI), The Netherlands. The report was on open science, specifically open access and sharing of research data
- Former Member, Early Career Task Force of International Union for the Scientific Study of Population (IUSSP)
- Former Member, Career Conversations Working Group, Gerontological Society of America (GSA)
- Member, Equity and Justice Committee (EJC), Department of Sociology, University of Maryland
- Organizer of *Southern Demography*, a research group formed by young demographers and development economists from the Global South

ACADEMIC PROJECTS

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| 2013 | Modelling Happiness among Youth (Masters Dissertation) |
| 2012 | Alternate Measures to Development: Happiness Index and Human Development Index (Research Internship report submitted at Centre for Development Studies, India) |

LANGUAGE PROFICIENCY

Advanced: English, Hindi, Malayalam; Intermediate: Sanskrit and Tamil