

Tarani Chandola
Academic (Teaching & Research) Professor
Social Statistics
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Overview



Qualifications **Present position**

BA (Delhi) MA (JNU) MPhil DPhil (Oxford)
Professor of Medical Sociology, School of Social Sciences, University of Manchester (2010 onwards)

Tarani Chandola is a Professor of Medical Sociology at the University of Manchester. His research is primarily on the social determinants of health, focusing on health inequalities and psychosocial factors, and the analysis of longitudinal cohort studies. Much of his research is on the social determinants of health with a focus on stress at work, and its psychophysiological effects on health. He is a research leader on the topic of work and health, with two of his papers in the top 10 most cited studies on the topic of work stress. His h-index of 53 (Google Scholar, October 2018) and 44 (Scopus, October 2018) was achieved within 20 years of his DPhil from over 120 peer reviewed papers in peer reviewed journals. His research expertise spans different disciplines- population and public health, epidemiology, social statistics and sociology- and different methodological approaches. He has had leadership and advisory roles within international research organisations, government departments and academic bodies.

Tarani was the head of the Department of Social Statistics (2012-2014) at the University of Manchester and the director of the Cathie Marsh Institute for Social Research (2014-2016). He is currently a co-director of two Economic and Social Research Council funded centres: the National Centre for Research Methods (NCRM: www.ncrm.ac.uk) and the International Centre for Lifecourse Studies in Society and Health (ICLS: www.ucl.ac.uk/icls). He also co-directs the SOC-B: the Social-Biological Centre for Biosocial Research, funded by the Economic and Social Research Council and the Biotechnology and Biological Sciences Research Council. He is a fellow of the Academy of Social Sciences and is a member of the Economic and Social Research Council's Strategic Advisory Network.

Education

Oct 1994–Nov 1998	<i>DPhil</i> (Sociology), Nuffield College, University of Oxford.
Oct 1992-Sep 1994	<i>MPhil</i> (Sociology), Jesus College, University of Oxford.
Aug 1990-Aug 1992	<i>MA 1st</i> (Sociology), Jawaharlal Nehru University, New Delhi.
July 1987-July 1990	<i>BA 2:1</i> (History), St. Stephens College, Delhi University.

Awards & Recognition

2019	Fellow of the Academy of Social Sciences
2016-2017	Visiting Professor, Department of Sociology, University of Helsinki
2015-2016	Visiting Professor, Public Health Foundation of India

2015-2018 Honorary Research Fellow, University of Liverpool
2010 onwards Honorary Professor, University College London
1998-2001 Prize Research Fellowship, Nuffield College.
1992-1995 Felix Scholarship, University of Oxford

Previous Positions

Feb 2001-Apr 2010 Senior Research Fellow-Senior Lecturer, Department of Epidemiology and Public Health, University College London.
Oct 1998- Jan 2001 Postdoctoral Research Fellow, Nuffield College, Oxford.
April 1996-Sep 1998 Research Assistant, Department of Social Policy and Social Work, University of Oxford.

Leadership/Managerial Roles

2018 onwards Postgraduate research director: Department of Social Statistics, University of Manchester
2018 onwards Research director: Department of Social Statistics, University of Manchester
2017 onwards Co-director, *SOC-B* (Social-Biological) Centre for Doctoral Training
<https://socbcdt.wordpress.com/>
2016 onwards Co-director, Health and Work Network, University of Manchester, manchester.ac.uk/hawwn/
2015 onwards Co-director, Research Directorate, the National Centre for Research Methods (*NCRM*), www.ncrm.ac.uk
2014 onwards Co-director, International Centre for Lifecourse Studies in Society & Health (*ICLS*), www.ucl.ac.uk/icls
2014-2016 Director of Cathie Marsh Institute for Social Research, University of Manchester
2012-2014 Head of Department of Social Statistics, University of Manchester
2010-2014 Co-director, methods@manchester, University of Manchester

Scientific and Advisory Committees

2019 onwards Member of the Strategic Advisory Network, *Economic and Social Research Council*
2019 onwards Management Board member, Institute for Health Policy and Organisation
2018 onwards Member of academic panel steering group on 'Developing Undergraduate curriculum resources on health and work', *Public Health England*
2017 onwards Advisory board member the Joint "Work and Health Unit" between the Department for Work and Pensions (*DWP*) and the Department of Health and Social Care (*DHSC*), programme on "work as a health outcome".
2016 onwards Member of the advisory board, *Public Health England*, Health and Work theme
2016-17 Chair of the local organisation committee, *Society for Social Medicine* annual conference
Manchester 2017
2015 onwards Chair of the Scientific Advisory Board Committee for the ESRC Research Centre on Micro-social Change (*MISOC*) at ISER, University of Essex
2013-2014 Steering group member, "Behaviours group", University of Manchester
2013 onwards Steering group member, artsmethods@manchester, University of Manchester
2012 onwards Steering group member, University of Manchester Staff Survey
2011 onwards Management board member, Manchester Institute for Collaborative Research on Ageing, University of Manchester
2010-2014 Meetings secretary: the Social Statistics Committee, Royal Statistical Society.
2007-2010 Meetings secretary: International Institute for Society & Health

Grant peer review

2019
2014-2018
2017
health and wellbeing.

2014-2017 Panel member: Institut National du Cancer (INCA): "Research in Social and Human Sciences, Epidemiology and Public Health"
2015-2016 Panel member: Academy of Finland, Health Research Council (2015-16) and the Strategic Research Council (2016)
2016 Vice-chair: Joint Programming Initiative (JPI) More Years, Better Lives
2014-15 Panel member: ESRC Advanced Quantitative Methods (AQM) Assurance Checking process
2010 Panel member: ESRC/MRC, Interdisciplinary Fellowship and Studentship competition 2010

Peer reviewer

2018 L'Agence nationale de la recherche: "Public Health" Committee
2015-2018 Medical Research Council (MRC)
2016 Economic and Social Research Council (ESRC)
2016 Nuffield Foundation

Journal Editor

2018 onwards *Sociology* (co-editor)
2002-08 *Ethnicity & Health* (associate editor)

Ad hoc reviewer

BMC Public Health, British Medical Journal, BMJ Open, Ethnicity & Health, Journal of Epidemiology and Community Health, Journal of Health & Social Behavior, Health & Place, International Journal of Epidemiology, International Journal of Obesity, Journal of the Royal Statistical Society Series A, London Review of Education, Occupation and Environmental Medicine, Plos One, Social Psychiatry and Psychiatric Epidemiology, Social Science and Medicine, Sociology of Health & Illness

Conference abstract reviewer

Society for Social Medicine annual meeting Manchester 2017, Farr Institute conference

Edinburgh 2015

Academic promotions expert reviewer

Australian National University, King's College London, University College London, University of Melbourne, University of Southampton

Professorial appointments committee

London School of Economics, Department of Methodology

Funded Projects

Principal Applicant (£1.9m career PI total)

2016 **Chandola T.** Health, Wellbeing and Work: Workshop and New research findings. *Public Health England*, £5k.

2014-2015 **Chandola T,** Agius R, Jones R, Sacker A, Bambra C, Sutherland S, Lake A. Interdisciplinary approaches to work, health and well-being research: expanding the field. *Public Health England*, £10k.

2013-2018 **Chandola T,** Brown M, Carter J, Ford R, Edwards G, Uebel T, Obeid M, Medina J, Williams L, Shleef E Manchester Quantitative Methods Centre *Nuffield Foundation, HEFCE, ESRC* £1.4m

2011-2012 **Chandola T,** Bartley M, Elliott J, Lynn P Innovative approaches to methodological challenges facing ageing cohort studies: *ESRC NCRM Networks for Methodological Innovation* £21k

2010-2014 **Chandola T,** Nazroo N, Pendleton N Does later life employment improve health and well-being ? *ESRC-MRC Interdisciplinary 1+3 PhD studentship.* £77k

2010-2011 **Chandola T,** Bassanesi S, Mikkileni S, Bandyopadhyay S. Urbanisation and Spatial and Social Inequalities in Health. *ESRC RES-238-25-0015* £100k

2010-2010 **Chandola T.** Work and Stress. *British Academy* £10k

2008-2013 **Chandola T,** Blane D, Morris JN, Plewis I. Causal pathways between education and health and social participation. *ESRC. RES-596-28-0001* £245k. Component of scientific program of ESRC Research Centre International Centre for Life Course Studies in Society and Health.

2003-2004 **Chandola T,** Clarke P, Morris JN, Blane, D, *ESRC. RES-000-22-0290* £40k. Pathways between education and health: a causal modelling approach

Funded projects

Co-Applicant (£23.4m career Co-I total)

2018-2021 Sacker A, Montgomery S, Chandola T, McMunn A, Bartholomew R, Cable N, Kelly Y. International Centre for Lifecourse Studies in Society and Health: Transition Funding. *ESRC.* £437k

2018 Money A, van-Tongeren M, **Chandola T,** Franklin M. Identifying barriers to return to work for older adults in Manchester: a scoping study. MICRA seedcorn funding award. £5k

2017-2021 Sutton M, Bower P, **Chandola T,** Whittaker W, Sanders C, Wilson P, French D, Cotterill S, Reeves D, Fichera E, Kontopantelis E. Evaluating the NHS Diabetes Prevention Programme (NHS DPP). National Institute for Health Research. £1.9m

2016-2017 Zhang N, **Chandola T.** The socio-economic dynamics of urbanization in China: Inequalities, child health and development. *ESRC Global Challenges Research Fund (GCRF) Postdoctoral Fellowships Scheme. FEC:* £120k

2015-2018 Benezeval M, Kumari M, Clarke P, **Chandola T,** Jones A, Pudney S, Mitchell R How can biomarkers and genetics improve our understanding of society and health? *ESRC* £1.5m

2014-2019 Sturgis P, Nind M, Durrant G, Martin D, Sindall K, Edwards R, Kilburn D, Smith P, Luff R, Elliot M, **Chandola T,** Shlomo N, Crow G, Gayle V, Macinnes J. National Centre for Research Methods- Hub, *ESRC* £6.25m

2013-2015 Stansfeld S, Bhui K, **Chandola T,** Clark C, Kerry S, Russell J. GEM Study (Guided E-learning for Managers). *National Institute for Health Research,* £433.5k

2013-2018 Sacker A, Montgomery S, Kelly Y, **Chandola T,** Neutevelli G International Centre for Life course Studies in Society and Health: Centre Mid-Term Review Proposal *ESRC* £3.7m

2012-2014 Olsen W, Brown M, Plewis I, **Chandola T,** Carter J, Heaphy B Researcher Development and Curriculum Innovation proposal on teaching quantitative methods £100k

2011-2016 Nazroo J, Burns A, **Chandola T,** Goodacre R, Horan MA, Pendleton N, Tampubolon G, Wu F. Inequalities in later life frailty and wellbeing: an interdisciplinary approach to causality. *Medical Research Council* £2.2m

2011-2011 Meng QJ, **Chandola T,** Payton A, Mann D, Horan M. Circadian clocks, aging, genes, sleep timing and cognition: implications for intervention. *Manchester Interdisciplinary Collaboration for Research on Ageing* £6k

2010-2012 Marmot MG, Kivimaki M, Brunner E, Britton A, **Chandola T,** Head J, Singh-Manoux A, Ferrie J. Social Inequalities and age-related heterogeneity in chronic disease and functioning: the Whitehall II study. *Medical Research Council (G0802093)* £2m

2009- 2011 Watt R, Marmot M, **Chandola T,** Newton T , Kawachi I, Sheiham A, Tsakos T *National Institute of Dental and Craniofacial Research* US\$275k

Development and Testing of a Social Determinants Model of Oral Health

2009-2011 Kivimaki M, **Chandola T,** Marmot M. *BUPA Foundation* £225k Socioeconomic adversity, stress and disease: Exploiting observational data to guide interventions

2009-2010 Wolff J, Munoz Darde V, Richmond S, Morris S, **Chandola T** *UCL Crucible* £5k Fair Retirement Policies and Lifelong health.

2009 Stephen Morris S, Atkinson S, Birch S, **Chandola T**, Dixon P, Jit M, Marmot M, Orr S, Raine R, Sutton M, Wildman J, Wolff J. *Department of Health* £79k Research on the health inequalities elements of the NHS resource allocation weighted capitation formula.

2008-2010 Hammer M, Stamatakis E, **Chandola T** *Medical Research Council* £95k Physical activity behaviours and mortality risk amount South Asian communities living in England.

2004-2009 Marmot MG, Brunner E, Britton A, **Chandola T**, Head J, Guralnik J, Singh-Manoux A. *Medical Research Council* £4.4m. Social Influences on Health: The Whitehall II Study.

Plenary/keynote talks at conferences

2018 What can the use of biomarkers in survey data tell us about the social sciences? *ANU-NCRM Social-Biological Methods Festival*, Sydney

2018 Work, Health and Inequality: *Colt Foundation Keynote Lecture*. Workplace Health, Leamington Spa

2015 What Does Research Tell About Wellbeing in the Workplace? *Psychological Professions Network*, Bolton

2011 Work and stress in post-recession Britain: *Lane Lecture*, Manchester.

2011 Work and stress in post-recession Britain. *UK National Work-Stress Network*, Birmingham

2010 Work and stress. *British Academy*, London

2010 Work stress, Socio-Economic Position and Ageing in the Whitehall II study, *British Society for Research on Ageing*, Manchester

2009 Does stress explain the socioeconomic gradient in coronary heart disease? *Europevent*, Stockholm

Invited talks

2018 What are the wider social determinants of refugee health and well-being? Some methodological considerations in a longitudinal survey of refugees in the UK. *National Centre for Research Methods workshop*, Manchester

2018 The role of workplace accommodations in explaining the disability employment gap. *Lane Lecture and Symposium*, Manchester

2018 Cross-study research: Opportunities, challenges and examples. *Cohort and Longitudinal Studies Enhancement workshop*, Manchester

2018 Biosocial research: some challenges from a sociological perspective. *UCL Research Department of Epidemiology and Public Health*, London

2018 Who's afraid of giving blood: Does accounting for missing blood data in social surveys make a difference? *Research Methods Festival*, Bath

2018 Work, health and stress: some observations. *Work and Equalities Institute*, Manchester

2018 The future of work and health research. *Cumberland Lodge*, Windsor.

2018 What are the wider social determinants of refugee health and well-being- some methodological considerations. *Refugee Symposium*, Brisbane.

2017 Work and Socio-economic differences in biomarkers of stress. *Australia National University*, Canberra

2017 What do we learn from international comparative studies in relation to understanding the social determinants of health? *World Congress of Epidemiology*, Saitama

2016 Evidence into Action. *Public Health England annual conference*, Warwick

2016 No stress at the top? Retirement and socio-economic differences in biomarkers of stress. *Department of Sociology*, Oxford

2016 Is retirement associated with a reduction in adverse diurnal cortisol profiles? Longitudinal evidence from the Whitehall II cohort study of civil servants. *UCL-Turin workshop*, London

2015 Stress at work- who gets it and what are the consequences? *UCL/French Embassy workshop*, London.

2015 Social inequalities, work stressors and diurnal cortisol profiles in later life. *ISER*, Colchester.

2015 Any job is better than no job? Some evidence of employment transitions and bio-markers of health. *ISER*, Colchester.

2015 The health effects of working past retirement age. Ageing Well in Work: Opportunities and Challenges - An International Perspective, Greater Manchester Public Health, Manchester

2015 Some methodological issues related to using Randomised Control Trial study designs in the workplace. *Work Stress Network*, Birmingham

2014 Increasing work stress among older workers is linked to incident coronary heart disease and diurnal cortisol profiles. *Conference on socioeconomic determinants of health*, Edinburgh.

2014 The scope of Adult and Further Education for reducing health inequalities. *Minding the gap health inequalities conference*, Leeds.

2014 Who wants to work forever? *UCL Lunch Hour Lecture*, London

2013 Spatial segregation and socioeconomic inequalities in health in Brazilian cities: combining spatial and social epidemiology. *Radical Statistics*, York.

2013 The scope of Adult and Further Education for reducing health inequalities. *FUSE public health*, Durham.

2013 Innovative approaches to methodological challenges facing ageing cohort studies. *Wales Institute of Social & Economic Research*, Cardiff.

2012 Biomarker indicators of workplace stress. *National Institute of Economic and Social Research*, London

2012 Measuring Education over the lifecourse. *Morgan Centre*, Manchester

2012 Work, Stress and the Social Determinants of Health. *Workplace Health*, Birmingham

2012 The health effects of later-life employment. *ICLS quinquennium*. Windsor.

2012 Income inequality, socioeconomic segregation and premature mortality in Brazil. *The Manchester Institute for Collaborative Research on Ageing*, Manchester

2012 Spatial segregation and socioeconomic inequalities in health in major Brazilian cities. *Department of Public Health*, York

2012 Work, Stress and the Social Determinants of Health, *Workplace Health*, Birmingham

2010 The effects of sleep duration and sleep disturbance on ageing. *The Manchester Institute for Collaborative Research on Ageing*, Manchester

2010 Urbanisation and spatial inequalities in health in Brazil and India. *Research Methods Festival*, Oxford

2009 Do social inequalities in health increase after retirement age? *Nuffield College*, Oxford

2009 Do inequalities in health increase at older ages? *Longitudinal and Lifecourse Research*, Turin

2008 Work Stress and Health: Current Research and Policy Implications, *Economic and Social Research Institute*, Dublin.

2008 Employment Grade, Work Stress and Mental Health in the Whitehall II study, *Institute of Psychiatry*, London

2007 Stress and metabolic syndrome: evidence from the Whitehall II study. *European Nutrition Conference*, Paris

2006 Work stress and cardiovascular disease, *Barts and the London school of medicine and dentistry*, London

2006 Social and Psychosocial Determinants of Health Inequalities. *Institute for Employment Research*, Warwick

2005 Statistical implications for modeling psychobiological pathways, *Four Centres Initiative*, Zurich

2005 Chronic work stress and the metabolic syndrome, *Four Centres Initiative*, Paris

2004 Reliability and Validity of a Measure of Nonreciprocity of Social Exchange, *Four Centres Initiative*, Dusseldorf

2004 Comparing the effects of work-life balance on health in Finland, UK and Japan, *Research Methods Festival*, Oxford

2004 Social Determinants of Health. Reykjavik.

2002 Revisiting the health selection hypothesis using structural equation models. *Institute of Education*, London

Knowledge Exchange events

2018 Chair: Areas of Research Interest workshop, *Department for Work and Pensions*, Manchester

2017 Speaker: Exploring the Potential of Biosocial Research for Social Policy, Department of Social Services, Canberra

2017 Speaker: Investing in Longitudinal Data, Research and Methods, Australia National University and Department of Social Services, Canberra

2017 Speaker: Is any job better than no job? Living wage week, Manchester.

2017 Speaker: Is any job better than no job? Parliamentary Office for Science and Technology

2015 Keynote: Stress at work- who gets it and what are the consequences? Café Scientifique, Manchester

2015 Speaker: Work, Family and Health, ICLS Policy seminar, London

2011 Speaker: The health effects of later life employment, 5050 NorthWest, Manchester

2010 Speaker: Psychosocial Working Conditions in the Whitehall II study. Expert committee on Psychosocial Risks at Work, Paris.

2010 Speaker: Education, education, education: A life course perspective. ICLS Policy seminar, London

2009 Speaker: Work, Stress and Health, Civil Service Live, London

2005 Speaker: Pathways Between Education and Health: a Causal Modelling Approach. Local Authorities Research Council Initiative (LARCI), London

Conference organisation

2017 Society for Social Medicine, Manchester (chair of local organisation committee)

2016 Royal Statistical Society, Manchester (member of local organisation committee)

2014 Radical Statistics, Manchester (chair of local organisation committee)

2014 onwards UCL-Manchester-Orebro-Helsinki PhD student exchange (co-chair)