

Kompal Sinha
Associate Professor
Department of Economics
Lifespan Health and Wellbeing Research Centre
DataX Research Centre
Hearing Research Centre
Email: komp.al.sinha@mq.edu.au
Phone: +61 2 9850 6069



Biography

I am an Associate Professor at the Department of Economics, **Macquarie University**, Sydney, Australia. I am also an Editor of Journal of Population Economics (Springer). I served as a College of Experts at the Australian Research Council (ARC) over 2021 - 2023.

My research analyses issues lying at the intersection of health economics and population economics. My research uses microeconomic methods to study the role of preference heterogeneity in individual decision making and its impact on the design of economic policy. I have developed and evaluated new techniques to study well-being; health related quality of life; multidimensional deprivation; intrahousehold decision making; health related knowledge and awareness on behaviour in the context of communicable and non-communicable diseases (NCDs); health and well-being in retirement; economic policy and health behaviour; national and sub-national purchasing power parities (PPPs); health and nutrition insecurity; malnutrition and child health. My research has focused on developed and developing countries including Australia, United Kingdom, India, China, Indonesia, Vietnam, Botswana and Cambodia. My research has been published in highly ranked peer-reviewed journals including *Health Economics*, *Journal of Economic Behaviour and Organisation*, *American Journal for Agricultural Economics*, *Social Science and Medicine*, *Macroeconomic Dynamics*, *Review of Income and Wealth*, *Journal of Biosocial Sciences*, *Value in Health*, *British Medical Bulletin* among other.

I obtained my PhD in Economics from the **Australian National University**, Canberra. Previously, I have worked at the Center for Health Economics, Department of Econometrics and Business Statistics and Department of Economics at **Monash University**, Melbourne.

I am affiliated with the **Centre of Development Economics and Sustainability** at Monash University and **Global Labor Organization** (GLO) where I lead a research cluster Development, Health, Inequality and Behavior.

Qualifications

1 Jan 2018 HDR Supervision Orientation 2018-2020, HDR30

Employment

Associate Professor

Associate Professor
Department of Economics
Macquarie University
1 Jan 2021 → present

Lifespan Health and Wellbeing Research Centre

Macquarie University
1 Jan 2023 → 31 Dec 2027

DataX Research Centre

Macquarie University
1 Jan 2023 → 31 Dec 2027

Hearing Research Centre

Macquarie University
1 Jan 2023 → 31 Dec 2027

Research outputs

Hearing loss is twice as common in Australia's lowest income groups, our research shows
Nure Alam, M., Sinha, K. & Dawes, P., 5 Mar 2024, The Conversation.

Higher penalties, broader definitions, and national standards: Did harmonized Australian workplace health and safety laws reduce workers' compensation receipt?

Bilgrami, A., Cutler, H. & Sinha, K., 4 Jan 2024, (E-pub ahead of print) In: *Industrial Relations: A Journal of Economy and Society*. 26 p.

Early childhood education and care pay and conditions research: final report

Degotardi, S., Mitchell, R., Thornthwaite, L., Gu, J., Gu, Y., Sinha, K., Brand, N., Cumming, T., Kan, L., Lobytsyna, M., Veres, J., Yu, D. & Byambadorj, N., 1 Dec 2023, (Unpublished) North Ryde, NSW: Macquarie University. 187 p.

Socioeconomic inequality in hearing impairment among working-age Australians: Evidence from a cross-sectional and longitudinal analyses

Alam, M., Dawes, P. & Sinha, K., 1 Nov 2023, In: *Ear and Hearing*. 44, 6, p. 1322-1331 10 p.

Early childhood education and care pay and conditions: interim report

Degotardi, S., Cumming, T., Thornthwaite, L., Mitchell, R., Sinha, K., Gu, J. & Brand, N., 26 Apr 2023, North Ryde, NSW: Macquarie University. 20 p.

A protocol for the hearing impairment in adults: a longitudinal outcomes study (HALOS)

Tang, D., Tran, Y., McMahon, C., Turner, J., Amin, J., Sinha, K., Alam, M. N., Wuthrich, V., Sherman, K. A., Garcia, P., Mitchell, R., Braithwaite, J., Leigh, G., Lim, S., Shekhawat, G. S., Rapport, F., Ferguson, M. & Gopinath, B., 16 Mar 2023, In: *PLoS ONE*. 18, 3, p. 1-10 10 p., e0283171.

Mapping the Patient-Reported Outcomes Measurement Information System (PROMIS-29) to EQ-5D-5L

Aghdaee, M., Gu, Y., Sinha, K., Parkinson, B., Sharma, R. & Cutler, H., Feb 2023, In: *Pharmacoeconomics*. 41, 2, p. 187-198 12 p.

Quantile regression and decomposition techniques: An application to nutritional demand in India

Sinha, K., 2023, *Applied econometric analysis using cross section and panel data*. Mukherjee, D. (ed.). Singapore: Springer, Springer Nature, p. 93-133 41 p. (Contributions to Economics).

An examination of machine learning to map non-preference based patient reported outcome measures to health state utility values

Aghdaee, M., Parkinson, B., Sinha, K., Gu, Y., Sharma, R., Olin, E. & Cutler, H., Aug 2022, In: *Health Economics*. 31, 8, p. 1525-1557 33 p.

An economic evaluation of Australia's newborn hearing screening program: A within-study cost-effectiveness analysis

Sharma, R., Gu, Y., Sinha, K., Ching, T. Y. C., Marnane, V., Gold, L., Wake, M., Wang, J. & Parkinson, B., May 2022, In: *Ear and Hearing*. 43, 3, p. 972-983 12 p.

Do socioeconomic health gradients persist over time and beyond income? A distributional analysis using UK biomarker data

Sinha, K., Davillas, A., Jones, A. M. & Sharma, A., Dec 2021, In: *Economics and Human Biology*. 43, p. 1-16 16 p., 101036.

The Impact of means-tested premium rebates and tax penalties on the demand for private hospital cover in Australia

Bilgrami, A., Cutler, H., Sinha, K. & Cheng, Z., Jun 2021, In: *Economic Record*. 97, 317, p. 170-211 42 p.

Do standardised workplace health and safety laws and increased enforcement activities reduce the probability of receiving workers' compensation?

Bilgrami, A., Cutler, H. & Sinha, K., May 2021, UK: University of York, p. 1-41, 41 p. (HEDG Working Paper; no. 21/08).

Fuel poverty policy: Go big or go home insulation

Best, R. & Sinha, K., May 2021, In: *Energy Economics*. 97, p. 1-11 11 p., 105195.

The economic value (or not) of longer consultations

Simpson, I. C. L., White, S. J., Sinha, K. & White, R., 2021.

The impact of harmonising Australia's workplace health and safety laws on workers compensation

Bilgrami, A., Cutler, H. & Sinha, K., 2021, Global Labor Organization, 49 p. (GLO Discussion Papers; no. 773).

The impact of introducing a national scheme for paid parental leave on maternal mental health outcomes

Bilgrami, A., Sinha, K. & Cutler, H., Dec 2020, In: Health Economics. 29, 12, p. 1657-1681 25 p.

Mapping the Strengths and Difficulties Questionnaire onto the Child Health Utility 9D in a large study of children

Sharma, R., Gu, Y., Sinha, K., Aghdaee, M. & Parkinson, B., Sept 2019, In: Quality of Life Research. 28, 9, p. 2429-2441 13 p.

Differentiating between dimensionality and duration in multidimensional measures of poverty: methodology with an application to China

Nicholas, A., Ray, R. & Sinha, K., 1 Mar 2019, In: Review of Income and Wealth. 65, 1, p. 48-74 27 p.

Does introducing a national paid parental leave scheme improve maternal mental health?

Bilgrami, A., Sinha, K. & Cutler, H., 2019, *32nd PhD Conference in Economics and Business: Program, abstracts and speakers*. Canberra: Australian National University, 1 p.

Food consumption, calorie intake and undernourishment in India: the recent evidence on role of welfare schemes

Ray, R. & Sinha, K., 2019, *Disease, human health, and regional growth and development in Asia*. Batabyal, A. A., Higano, Y. & Nijkamp, P. (eds.). Singapore: Springer, Springer Nature, p. 21-46 26 p. (New frontiers in regional science: Asian perspectives; vol. 38).

Pricing as a means of controlling alcohol consumption

Sharma, A., Sinha, K. & Vandenberg, B., Sept 2017, In: British Medical Bulletin. 123, 1, p. 149-158 10 p.

The effect of introducing a minimum price on the distribution of alcohol purchase: a counterfactual analysis

Sharma, A., Etile, F. & Sinha, K., Sept 2016, In: Health Economics (United Kingdom). 25, 9, p. 1182-1200 19 p.

A longitudinal study of the cost of food in Victoria influenced by geography and nutritional quality

Palermo, C., McCartan, J., Kleve, S., Sinha, K. & Shiell, A., 1 Jun 2016, In: Australian and New Zealand Journal of Public Health. 40, 3, p. 270-273 4 p.

A unified framework for the estimation of intra and inter country food purchasing power parities India, Indonesia and Vietnam

Majumder, A., Ray, R. & Sinha, K., 2016, In: Indian Growth and Development Review. 9, 1, p. 2-31 30 p.

Spatial comparisons of prices and expenditure in a heterogeneous country: methodology with application to India

Majumder, A., Ray, R. & Sinha, K., Jul 2015, In: Macroeconomic Dynamics. 19, 5, p. 931-989 59 p.

Estimating purchasing power parities from household expenditure data using complete demand systems with application to living standards comparison: India and Vietnam

Majumder, A., Ray, R. & Sinha, K., Jun 2015, In: Review of Income and Wealth. 61, 2, p. 302-328 27 p.

A lifecycle perspective of stock market performance and wellbeing

Frijters, P., Johnston, D. W., Shields, M. A. & Sinha, K., Apr 2015, In: Journal of Economic Behavior and Organization. 112, p. 237-250 14 p.

Multidimensional deprivation in China, India and Vietnam: a comparative study on micro data
Ray, R. & Sinha, K., 2 Jan 2015, In: Journal of Human Development and Capabilities. 16, 1, p. 69-93 25 p.

Modelling utility weights for the Assessment of Quality of Life (AQoL)-8D
Richardson, J., Sinha, K., Iezzi, A. & Khan, M. A., Oct 2014, In: Quality of Life Research. 23, 8, p. 2395-2404 10 p.

Rangarajan committee report on poverty measurement another lost opportunity
Ray, R. & Sinha, K., 9 Aug 2014, In: Economic and Political Weekly. 32, p. 43-48 6 p.

An instrument for measuring the social willingness to pay for health state improvement

Richardson, J., Iezzi, A., Sinha, K., Khan, M. A. & Mckie, J., Jul 2014, In: Health Economics (United Kingdom). 23, 7, p. 792-805 14 p.

Temporal comparisons of prices, expenditure and growth in India: a state-wise analysis
Majumder, A., Ray, R. & Sinha, K., 2013, In: Indian Growth and Development Review. 6, 2, p. 195-211 17 p., 17099285.

Calculating rural-urban food price differentials from unit values in household expenditure surveys: a comparison with existing methods and a new procedure
Majumder, A., Ray, R. & Sinha, K., Oct 2012, In: American Journal of Agricultural Economics. 94, 5, p. 1218-1235 18 p.

Maximising health versus sharing: measuring preferences for the allocation of the health budget
Richardson, J., Sinha, K., Iezzi, A. & Maxwell, A., Oct 2012, In: Social Science and Medicine. 75, 8, p. 1351-1361 11 p.

Endogenous, intra-household decision-making and its impact on the labor supply of couples in rural India*
Sinha, K., Jun 2012, In: Asian Economic Journal. 26, 2, p. 137-157 21 p.

Utility weights for the Vision-related Assessment of Quality of Life (AQoL)-7D instrument
Richardson, J., Iezzi, A., Peacock, S., Sinha, K., Khan, M., Misajon, R. & Keeffe, J., Jun 2012, In: Ophthalmic Epidemiology. 19, 3, p. 172-182 11 p.

Interaction between HIV awareness, knowledge, safe sex practice and HIV prevalence: evidence from Botswana
Ray, R. & Sinha, K., Mar 2012, In: Journal of Biosocial Science. 44, 3, p. 321-344 24 p.

Measuring the multi-dimensional knowledge deprivation of HIV/AIDS: a new approach with Indian evidence on its magnitude and determinants
Ray, R. & Sinha, K., Nov 2011, In: Journal of Biosocial Science. 43, 6, p. 657-684 28 p.

Predicting time trade-off health state valuations of adolescents in four Pacific countries using the Assessment of Quality-of-Life (AQoL-6D) instrument

Moodie, M., Richardson, J., Rankin, B., Iezzi, A. & Sinha, K., Dec 2010, In: Value in Health. 13, 8, p. 1014-1027 14 p.

The need for a new framework for the economic evaluation of health services in a national health scheme
Richardson, J. R., McKie, J. & Sinha, K., 2010, In: Health. 2, 9, p. 1120-1133 14 p.

Press/Media

Access to the Paid Parental Leave and Dad and Partner Pay schemes boosted the mental health outcomes of Australian mothers

Anam Bilgrami, Henry Cutler & Kompal Sinha
27/05/21

1 Media contribution

Australia's Paid Parental Leave scheme improves mental health among women

Anam Bilgrami, Kompal Sinha & Henry Cutler

31/03/21

1 item of Media coverage

Here's the happy news on paid parental leave

Anam Bilgrami, Kompal Sinha & Henry Cutler

11/02/21

1 item of Media coverage

Paying dads to take six months' leave 'could help close the gender pay gap'

Anam Bilgrami, Kompal Sinha & Henry Cutler

14/02/21

1 item of Media coverage

The Stick or the Carrot: Which Is More (Cost-)Effective for Supporting Private Health Insurance Coverage?

Anam Bilgrami, Henry Cutler & Kompal Sinha

23/09/21

1 Media contribution

Awards

Projects

Early Childhood Education and Care Pay & Conditions Research

Degotardi, S., Cumming, T., Brand, N., Thornthwaite, L., Mitchell, R., Sinha, K., Gu, J. & Gu, Y.

13/03/23 → 30/10/23

Economics and consultation length

Simpson, I., White, S., Sinha, K. & White, R.

4/01/21 → 24/12/21

Embedding Health Literacy in Clinical Practice

White, S., McCaffery, K., Muscat, D. M., Lloyd, J. E., Dennis, S., Roger, P. & Sinha, K.

1/08/22 → 1/08/23

EPSP - Patient Preferences for Knee Replacement Surgery in Australia: A Discrete Choice Experiment

Gu, Y., Cutler, H., Mutowo, M., Sinha, K. & Soytemiz, A.

24/01/22 → 30/11/22

EQ-5D with the hearing "bolt-on" items: developing a new quality of life measure for hearing impairment

Gu, Y., Cutler, H., Parkinson, B., Sinha, K., Dawes, P., Sharma, R., Brinson, M. B., Gonzalo, F., Quadri, H. & Soytemiz, A.

7/02/22 → 31/12/23

Hearing impairment in adults: a longitudinal study (HALOS)

Gopinath, B., McAlpine, D., McMahon, C., Sherman, K., Braithwaite, J., Tran, Y., Cutler, H., Leigh, G., Rapport, F.,

Wuthrich, V., Amin, J., Mitchell, R., Garcia, P., Buchholz, J., Ferguson, M., Sinha, K. & Tang, D.

1/01/22 → 31/12/24

HESP: Panel of providers of health economics services - Health Economic Service Panel (HESP)

Cutler, H., Hoyle, M., Schroeder, L., Parkinson, B., Gu, Y., Epp, J., Mumford, V., Sinha, K., Mutowo, M., Jeet, V., Song, R.,

Partington, A., Gu, M., Aghdaee, M., Seil, E. & Norman, A.

23/03/20 → 30/04/23

Routine Hearing Health Checks for Older Adults

Gopinath, B., Sinha, K., Newall, J., Tang, D., Flynn, M., Klineberg, S., Odello, C. & Turner, J.

Understanding deprivation and HIV/AIDS in Southeast Asia: A new multidimensional model for research and economic planning

Sinha, K. & Magnani, L.

1/01/18 → 6/06/22