

RONAK PAUL**SENIOR RESEARCH FELLOW****CONTACT**

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 International Institute for Population Sciences
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PERSONAL DETAILS

Date of birth: 15th Nov, 1996
Place of birth: Siliguri, West Bengal,
 India

Family status: Unmarried
Languages: English, Bengali, Hindi
 (Fluent)

EDUCATION

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| 2021-Current | Doctor of Philosophy (PhD) in Biostatistics and Demography, Department of Public Health and Mortality Studies, International Institute for Population Sciences
<i>Thesis titled: "Clustering and Risk Factors of Mortality across Families and Communities in South Asian Countries"</i>
Advisor: Prof. Abhishek Singh |
| 2019-2020 | Master of Philosophy (MPhil) in Biostatistics and Demography, International Institute for Population Sciences
<i>Thesis titled: "Do Early Childhood Adversities Affect Developmental Potential in Children and Lead to Adverse Outcomes? Evidence from India"</i>
Advisor: Prof. Abhishek Singh |
| 2017-2019 | Postgraduate (M.Sc.) in Biostatistics and Demography, International Institute for Population Sciences
<i>Thesis titled: "Is There Any Relationship between Malnutrition and Cognitive Skill Development among Children? Evidence from India"</i>
Advisor: Prof. Abhishek Singh |
| 2014-2017 | Undergraduate (B.Sc.) in Statistics, University of Calcutta |

RESEARCH INTEREST

Child mortality and morbidity; Education and development; Ageing and health, Gender and development, Inequalities in health.

TECHNICAL SKILLS

Statistical Packages: R, STATA, QGIS, GeoDa, SPSS, MLwiN.
 Demographic Packages: MORTPAK, Spectrum, WHO Anthro, WHO AnthroPlus.

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Paul, R.**, Muhammad, T., Rashmi, R., Sharma, P., Srivastava, S., & Zanzwar, P. P. (2023). Depression by gender and associated factors among older adults in India: Implications for age-friendly policies. *Scientific Reports*, 13(1), 17651.
Available from: <https://doi.org/10.1038/s41598-023-44762-8>
2. Saravanakumar, P., Muhammad, T., **Paul, R.**, & Srivastava, S. (2024). Explaining the Urban-Rural Difference in Late-Life Depression in India: Evidence from a Multivariate Decomposition Analysis Based on Longitudinal Aging Study in India, Wave 2017-18. *Clinical Gerontologist*, 47(2), 270–287.
Available from: <https://doi.org/10.1080/07317115.2023.2257179>
3. Srivastava, S., Muhammad, T., **Paul, R.**, & Khan, K. A. (2023). Multivariate decomposition of gender differentials in successful aging among older adults in India. *BMC Geriatrics*, 23(1), 59.
Available from: <https://doi.org/10.1186/s12877-023-03753-0>
4. Rashmi, R., Srivastava, S., Muhammad, T., Kumar, M., & **Paul, R.** (2022). Indigenous population and major depressive disorder in later life: A study based on the data from Longitudinal Ageing Study in India. *BMC Public Health*, 22(1), 2258.
Available from: <https://doi.org/10.1186/s12889-022-14745-x>
5. Muhammad, T., **Paul, R.**, Meher, T., Rashmi, R., & Srivastava, S. (2022). Decomposition of caste differential in life satisfaction among older adults in India. *BMC Geriatrics*, 22(1), 832.
Available from: <https://doi.org/10.1186/s12877-022-03526-1>
6. Srivastava, S., Kumar, P., **Paul, R.**, & Debnath, P. (2022). Effect of change in individual and household level characteristics on anemia prevalence among adolescent boys and girls in India. *BMC Public Health*, 22(1), 1478.
Available from: <https://doi.org/10.1186/s12889-022-13863-w>
7. Muhammad, T., **Paul, R.**, Rashmi, R., & Srivastava, S. (2022). Examining sex disparity in the association of waist circumference, waist-hip ratio and BMI with hypertension among older adults in India. *Scientific Reports*, 12(1), 13117.
Available from: <https://doi.org/10.1038/s41598-022-17518-z>
8. Rashmi, R., & **Paul, R.** (2022). Early childhood circumstances and educational wellbeing inequality among tribal and non-tribal children in India: Evidence from a panel study. *Scientific Reports*, 12(1), 9839.
Available from: <https://doi.org/10.1038/s41598-022-13889-5>
9. **Paul, R.**, Srivastava, S., & Rashmi, R. (2022). Examining infant and child death clustering among families in the cross-sectional and nationally representative Bangladesh Demographic and Health Survey 2017–2018. *BMJ Open*, 12(6), e053782.
Available from: <https://doi.org/10.1136/bmjopen-2021-053782>
10. Srivastava, S., Muhammad, T., **Paul, R.**, & Thomas, A. R. (2022). Multivariate decomposition analysis of sex differences in functional difficulty among older adults based on Longitudinal Ageing Study in India, 2017–2018. *BMJ Open*, 12(4), e054661.
Available from: <https://doi.org/10.1136/bmjopen-2021-054661>

11. **Paul, R.,** & Rashmi. (2022). Risk factors and clustering of mortality among older adults in the India Human Development Survey. *Scientific Reports*, 12(1), 6644.
Available from: <https://doi.org/10.1038/s41598-022-10583-4>
12. Muhammad, T., Srivastava, S., Hossain, B., **Paul, R.,** & Sekher, T. V. (2022). Decomposing rural–urban differences in successful aging among older Indian adults. *Scientific Reports*, 12(1), 6430.
Available from: <https://doi.org/10.1038/s41598-022-09958-4>
13. Rashmi, R., & **Paul, R.** (2022). Determinants of multimorbidity of infectious diseases among under-five children in Bangladesh: Role of community context. *BMC Pediatrics*, 22(1), 159.
Available from: <https://doi.org/10.1186/s12887-022-03217-1>
14. Rashmi, R., **Paul, R.,** & Srivastava, S. (2023). Association of mass media exposure and alcohol consumption apropos alcohol-advertisement ban in India: Multilevel analysis of panel data. *Journal of Substance Use*, 28(3), 379–388.
Available from: <https://doi.org/10.1080/14659891.2022.2051617>
15. **Paul, R.,** Rashmi, R., & Srivastava, S. (2022). Association of mass media exposure with combustible and smokeless tobacco use among Indian population: Findings from a panel survey. *BMC Public Health*, 22(1), 125.
Available from: <https://doi.org/10.1186/s12889-021-12459-0>
16. **Paul, R.,** Rashmi, R., & Srivastava, S. (2021). Neonatal and Postneonatal Death Clustering Among Siblings in Bangladesh: Evidence from Bangladesh Demographic and Health Survey 2017–2018. *OMEGA - Journal of Death and Dying*, 88(4), 1606–1627.
Available from: <https://doi.org/10.1177/00302228211066695>
17. Srivastava, S., Kumar, P., Rashmi, **Paul, R.,** & Dhillon, P. (2021). Does substance use by family members and community affect the substance use among adolescent boys? Evidence from UDAYA study, India. *BMC Public Health*, 21(1), 1896.
Available from: <https://doi.org/10.1186/s12889-021-11911-5>
18. Srivastava, S., Chauhan, S., Patel, R., Marbaniang, S. P., Kumar, P., **Paul, R.,** & Dhillon, P. (2021). Banned by the law, practiced by the society: The study of factors associated with dowry payments among adolescent girls in Uttar Pradesh and Bihar, India. *PLOS ONE*, 16(10), e0258656.
Available from: <https://doi.org/10.1371/journal.pone.0258656>
19. **Paul, R.,** & Rashmi. (2020). Is educational wellbeing associated with grade repetition and school dropout rates among Indian students? Evidence from a panel study. *Vienna Yearbook of Population Research*, 2021, 503–543.
Available from: <https://www.austriaca.at?arp=0x003cb61f>
20. **Paul, R.,** Rashmi, R., & Srivastava, S. (2021). Differential in infant, childhood and under-five death clustering among the empowered and non-empowered action group regions in India. *BMC Public Health*, 21(1), 1436.
Available from: <https://doi.org/10.1186/s12889-021-11486-1>
21. **Paul, R.,** Srivastava, S., Muhammad, T., & Rashmi, R. (2021). Determinants of acquired disability and recovery from disability in Indian older adults: Longitudinal influence of socio-economic and health-related factors. *BMC Geriatrics*, 21(1), 426.

Available from: <https://doi.org/10.1186/s12877-021-02372-x>

22. **Paul, R.**, Rashmi, R., & Srivastava, S. (2021). Differential in infant, childhood and under-five death clustering among the empowered and non-empowered action group regions in India. *BMC Public Health*, 21(1), 1436.

Available from: <https://doi.org/10.1186/s12889-021-11486-1>

23. Srivastava, S., Thalil, M., Rashmi, R., & **Paul, R.** (2021). Association of family structure with gain and loss of household headship among older adults in India: Analysis of panel data. *PLOS ONE*, 16(6), e0252722.

Available from: <https://doi.org/10.1371/journal.pone.0252722>

24. **Paul, R.**, Rashmi, R., & Srivastava, S. (2021). Does lack of parental involvement affect school dropout among Indian adolescents? Evidence from a panel study. *PLOS ONE*, 16(5), e0251520.

Available from: <https://doi.org/10.1371/journal.pone.0251520>

25. Srivastava, S., Rashmi, & **Paul, R.** (2021). Urban-rural differential in neonatal and post-neonatal mortality clustering among Indian siblings: Evidence from National Family Health Survey 2015–16. *Children and Youth Services Review*, 121, 105822.

Available from: <https://doi.org/10.1016/j.chldyouth.2020.105822>

26. **Paul, R.**, & Singh, A. (2020). Does early childhood adversities affect physical, cognitive and language development in Indian children? Evidence from a panel study. *SSM - Population Health*, 12, 100693.

Available from: <https://doi.org/10.1016/j.ssmph.2020.100693>

WORKING PAPERS

1. Paul R., Singh A. Examining Infant Death Clustering Across Families and Communities in South Asia.
2. Paul, R., & Rashmi. R. Decomposing caste differential in Old-age mortality among older adults.

PEER-REVIEWED FOR

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| <ul style="list-style-type: none"> • Archives of Public Health • BMC Geriatrics • BMC Public Health • BMC Pediatrics • BMJ Open | <ul style="list-style-type: none"> • Humanities and Social Sciences Communications • Infant and Child Development • Omega – Journal of Death and Dying • PLOS One |
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AWARDS & GRANTS

1. Received Youth Best Paper Award at the IASSH Conference 2023 for the research paper titled “Temporal Patterns in Infant Death Clustering among Families: Findings from National Family Health Survey 1992-2021”.
2. Received Max Planck Society Scholarship for attending the “Population and Data Science Summer Incubator Program” at the Max Planck Institute for Demographic Research from

June-August 2022

3. Received University Grants Commission (UGC) Research Fellowship for pursuing PhD in the International Institute for Population Sciences from January 2021 to present.
4. Received Gold Medal in the course “Introduction to R Software” organized by Indian Institute of Technology (IIT) Kanpur from August-October 2019.
5. Received Silver Medal in the course “Introduction to Biostatistics” organized by Indian Institute of Technology (IIT) Bombay from July-September 2019.
6. Qualified for Lectureship in *Social Medicine and Community Health* through University Grants Commission (UGC) National Eligibility Test (NET) in December 2019.
7. Qualified for Lectureship in *Population Studies* through University Grants Commission (UGC) National Eligibility Test (NET) in June 2019.
8. Government of India Fellowship for pursuing MPhil in the International Institute for Population Sciences from June 2019 to June 2020.
9. Government of India Fellowship for pursuing Post-graduation in the International Institute for Population Sciences from July 2017 to April 2019.

CONFERENCES & SEMINARS

2023:

- Presented paper at the IASSH International Conference organized by IASSH jointly with Sharda University, Greater Noida from 15-17 March 2023.
- Presented paper at the XXVII IIPS National Seminar organized by the IIPS jointly with ISEC, Bengaluru from 23-25 February 2023.

2022:

- Presented paper at the 43rd IASP Annual Conference organized by the Indian Association for the Study of Population (IASP) from 1-3 December 2022.
- Presented paper at the PAA Applied Demography Conference 2022 organized by the Population Association of America (PAA) from 1-3 February 2022.

2021:

- Presented paper at the 29th International Population Conference organized by the International Union for the Scientific Study of Population (IUSSP) from 5-10 December 2021.
- Presented paper at the 5th Asian Population Association (APA) Conference organized by Asian Population Association from 3-5 August 2021.
- Presented paper at the Population Association of America (PAA) 2021 Annual Meeting organized by Population Association of America, May 5-8 2021.
- Presented paper at the International Seminar on “*Pandemic and Population Dynamics*” organized by International Institute for Population Sciences (IIPS), Mumbai, 18-20 March 2021.

TRAINING COURSES & WORKSHOPS

2023:

- Attended workshop on “*Health Programs and Impact Evaluation Methods*” organized by IHEPA jointly with IIPS from 20-24 March 2023.

2022:

- Training Course on “*Health Data Mapping in Demographic and Health Surveys*”, organized by the USAID from March-June 2022.

2021:

- Training Course on “*Subnational Probabilistic Population Projections*”, organized by the IUSSP on December 2021.
- Workshop on “*Introduction to Multistate Analysis of Population Dynamics*”, organized by the IUSSP on December 2021.
- Workshop on “*Geoprocessing and Spatial Analysis*”, organized by the IUSSP Early Career Taskforce on August 2021.
- Training Course on “*Basic and Advanced Impact Analysis*” by Global Health E-Learning Center on behalf of USAID and John Hopkins Bloomberg School of Public Health on July 2021.
- Training Course on “*Data Visualization with R*” organized by the Max Planck Institute for Demographic Research on June, 2021.
- Training Course on “*How to make the contraceptive calendar work for you: an introduction to using PMA data*” organized by IPUMS-PMA on May, 2021.
- Training Course on “*Introduction to Population Grids and their Integration with Remote Sensing Data for Sustainable Development and Disaster Management*” organized by NASA’s Applied Remote Sensing Training Program on March, 2021.
- Workshop on “*The International Journal of Educational Development: Insights from the Editors*” organized by Elsevier Researcher Academy on January 2021.
- Workshop on “*Fundamentals of Peer-Review*” organized by Elsevier Researcher Academy on January 2021.

2020:

- Course on “*Learning Environment for Multilevel Methodology and Applications*” by Centre for Multilevel Modelling, the University of Bristol since August 2020.
- Training Course on “*Fundamentals of Manuscript Preparation*” by Elsevier Researcher Academy on July 2020.
- Training Course on “*Going Through Peer-Review*” by Elsevier Researcher Academy on July 2020.
- Completed Course on “*Demographic and Health Surveys: Data Use*” by Global Health E-Learning Center on behalf of USAID and John Hopkins Bloomberg School of Public

Health on April 2020.

- Workshop on “*Clinical Trials and Value Propositions*” organized by International Institute for Population Sciences on February 2020.

2019:

- Completed Course on “*Nutrition: An Introduction*” by Global Health E-Learning Center on behalf of USAID and John Hopkins Bloomberg School of Public Health in October 2019.
- Completed Course on “*Introduction to Early Childhood Development*” by Global Health E-Learning Center on behalf of USAID and John Hopkins Bloomberg School of Public Health in October 2019.
- Training Course on “*Introduction to R Software*” organized by IIT Kanpur from August-October 2019.
- Training course on “*Introduction to Biostatistics*” organized by IIT Bombay from July-September 2019.
- Workshop on “*Developing Capacities for Reference and Research: DELNET Discovery Services, Plagiarism & Academic Integrity and Digital Reference Management Tools*” organized by Developing Library Network (DELNET) in October 2019.

MEMBERSHIPS & ACTIVITIES

- Life Member of Indian Association for Social Sciences and Health (IASSH) since 2023.
- International Union for the Scientific Study of Population (IUSSP) student Member since 2020.
- Asian Population Association (APA) student member since 2020.
- The Cochrane Collaboration student member from 2019-2021.
- International Institute for Population Sciences (IIPS) Placement Cell Representative from 2018-2019.

RESEARCH EXPERIENCE

- Worked on the research project “*Methodological Improvements to the Social Vulnerability*” as a Guest Researcher at the Max Planck Institute for Demographic Research (MPIDR), Germany from June-August 2022.
- Performed literature review project on “*Understanding the Impact of Undernutrition during Childhood on the Development Potential of Children in Middle and Low-Income Countries*” as part of course curriculum at the International Institute for Population Sciences from September-November 2019.
- Research Internship in the project “*Sustainable Guar Initiative*” at Technoserve India Foundation from April-June 2018. *Objective:* Impact assessment of Project on the livelihoods of farmers. *Location:* Rajasthan, India.
Scope of work: Field mapping, Data collection through primary interview, Data cleaning, Assessment of Impact, Submission of detailed report.
- Performed qualitative assessment for the project “*A Study on Basic Amenities in Ghatla*”

village, Mumbai” as part of course curriculum at the International Institute for Population Sciences from January-February 2018. *Objective:* Understanding the availability and accessibility of basic amenities in households of Ghatla.

Scope of work: Field mapping, Data collection through the primary interview, Qualitative assessment, Submission of a detailed report to the IIPS review board.