

EUGENIO PAGLINO

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EDUCATION

- 09/08/2024 **Ph.D. Demography and Sociology, University of Pennsylvania**
Dissertation: *The Demography of Shocks: Migration and Mortality under the Influence of Environmental and Epidemiological Shocks*
Committee: Irma T. Elo (chair), Samuel Preston, Michel Guillot
Exams: Demography, Social Epidemiology and the Sociology of Health and Mortality Disparities (with distinction)
- 21/12/2023 **M.A. Statistics and Data Science, The Wharton School, University of Pennsylvania**
- 01/07/2019 **M.Sc. Economics and Social Sciences, Bocconi University**
- 01/07/2017 **B.Sc. Economics and Social Sciences, Bocconi University**

RESEARCH INTERESTS

Climate Change and Population Dynamics, Statistical and Bayesian Demography, Mortality, Migration

PUBLICATIONS

- 2024 **Paglino, E.** Estimating excess migration associated with tropical storms in the USA 1990–2010. *Population and Environment* 46, 11 (2024). DOI: [10.1007/s11111-024-00452-9](https://doi.org/10.1007/s11111-024-00452-9)
- Paglino E.**, and Stokes A.C. Excess mortality as a tool to monitor the evolution of health emergencies: choices, challenges, and future directions. *American Journal of Public Health* 114 (2024). DOI: [10.2105/AJPH.2024.307661](https://doi.org/10.2105/AJPH.2024.307661)
- Paglino, E.**; Lundberg, D.J.; Wrigley-Field, E.; Zhou, Z.; Wasserman, J.A.; Raquib, R.; Chen Y-H; Hempstead, K.; Preston, S.H.; Elo, I.T., Glymour, M.M., and Stokes, A.C. Excess natural-cause mortality in US counties and its association with reported COVID-19 deaths. *Proceedings of the National Academy of Sciences* 121(6) (2024). DOI: [10.1073/pnas.2313661121](https://doi.org/10.1073/pnas.2313661121)
- Paglino, E.**, and Elo, I.T. Immigrant mortality advantage in the United States during the first year of the COVID-19 pandemic, *Demographic Research* 50 (7), (2024). DOI: [10.4054/DemRes.2024.50.7](https://doi.org/10.4054/DemRes.2024.50.7)
- 2023 **Paglino, E.**; Lundberg, D.J.; Zhou, Z.; Wasserman, J.A.; Raquib, R.; Luck, A.N.; Hempstead, K.; Bor, J; Preston, S.H.; Elo, I.T., and Stokes, A.C. Monthly excess mortality across counties in the United States during the COVID-19 pandemic, March 2020 to February 2022.” *Science Advances* 9 (2023). DOI: [10.1126/sciadv.adf9742](https://doi.org/10.1126/sciadv.adf9742)
- Lundberg, D. J.; Wrigley-Field, E.; Cho, A.; Raquib, R.; Nsoesie, E.O.; **Paglino, E.**; Chen, R.; Kiang, M.V.; Riley, A.R.; Chen, Y.; Charpignon, M.; Hempstead, K.; Preston, S.H.; Elo, I.T; Glymour, M.M., and Stokes, A.C. COVID-19 mortality by race and ethnicity in US metropolitan and nonmetropolitan areas, March 2020 to February 2022. *JAMA Network Open* 6(5) (2023). DOI: [10.1001/jamanetworkopen.2023.11098](https://doi.org/10.1001/jamanetworkopen.2023.11098)
- Luck, A.N.; Elo, I.T.; Preston, S.H.; **Paglino, E.**; Hempstead, K., and Stokes, A.C. COVID-19 and all-cause mortality by race, ethnicity, and age across five periods of the pandemic in the United States. *Population Research and Policy Review* 42(4):71 (2023). DOI: [10.1007/s11113-023-09817-8](https://doi.org/10.1007/s11113-023-09817-8)
- Luck, A. N.; Stokes, A.C.; Hempstead, K.; **Paglino, E.**; and Preston, S.H. Associations between mortality from COVID-19 and other causes: a state-level analysis. *PLOS ONE* 18(3) (2023). DOI: [10.1371/journal.pone.0281683](https://doi.org/10.1371/journal.pone.0281683)

Toffolutti, V.; **Paglino, E.**; Kentikelenis, A.; Mencarini L.; and Aassve, A. "Does bribery increase maternal mortality? Evidence from 135 Sub-Saharan African regions." *PLOS Global Public Health* 3, 12 (2023). DOI: [10.1371/journal.pgph.0000847](https://doi.org/10.1371/journal.pgph.0000847)

2020 **Paglino, E.**, and Emery, T. "Evaluating interviewer manipulation in the new round of the generations and gender survey." *Demographic Research* 43 (2020). DOI: [10.4054/DemRes.2020.43.50](https://doi.org/10.4054/DemRes.2020.43.50)

WORK IN PROGRESS

Paglino E. "Temperature-Related Mortality and Seasonality in Human Mortality: A County-Level Study of California Counties." Under review at Demography.

Paglino E.; Wrigley-Field, E., and Stokes, A.C. "Falling Behind: Diverging Mortality Trends by Educational Attainment in the United States, 2006-2022" Under review at JAMA.

Paglino E. and Elo, I.T. "Immigrant Mortality and the US Life-Expectancy before and during the COVID-19 Pandemic." Under review at Population and Development Review.

Paglino E.; Elo, I.T.; Preston, S.H.; Lundberg, D.J.; Hempstead, K., and Stokes, A.C. "Evolution of the United States Nonmetropolitan Mortality Disadvantage by Sex, State, and Year, 1999 to 2019" Under review at Journal of Rural Health.

Paglino E., "Estimating Group-Specific Contributions to Life-Table Functions." Under review at Demographic Research.

GRANTS, AWARDS, AND FELLOWSHIPS

- 2024 Mortality and Morbidity Impact of COVID-19 Beyond the Acute Pandemic Phase-Lessons for Future Pandemics. Sponsor: The Society of Actuaries. Funding: \$50,000.00. Role: Co-Investigator.
Visiting Doctoral Student Fellowship, Institut National d'Études Démographiques (INED)
School of Arts and Sciences Travel Subvention for the PAA Annual Meeting
- 2023 GAPSA Research Student Individual Grant for the PAA Annual Meeting
School of Arts and Sciences Travel Subvention for the PAA Annual Meeting
- 2021 Geo Harrison Graduate Fellow 2021-2022

CONFERENCE PRESENTATIONS (* = Presenter)

- 2024 **Paglino, E.***, "How Hot Is Too Hot and How Cold Is Too Cold? Estimating County-Level Relationships between Temperature and Mortality in California Counties", European Population Conference, Edinburgh, 2024.
Paglino, E.*, "Estimating Group-Specific Contributions to Life-Table Functions", Population Association of America Annual Meeting, Columbus, 2024.
Paglino, E.* and Elo, I.T., "Immigrant Mortality and the US Life-Expectancy before and during the COVID-19 Pandemic", Population Association of America Annual Meeting, Columbus, 2024.
Paglino, E., Elo, I.T., Preston, S.H., Hempstead, K., Stokes, A.C.*. "Evolution of the United States Rural Mortality Disadvantage by State and Year, 1999 to 2019" Population Association of America Annual Meeting, Columbus, 2024.
Paglino, E.* and Monteiro da Silva, J.H.* "Estimating Smoking-Attributable Mortality in Brazil Using the Preston-Glei-Wilmoth Method", Population Association of America Annual Meeting, Columbus, 2024.
- 2023 **Paglino, E.*** and Elo, I.T. "Trends in the Immigrant Mortality Advantage during the First Year of the COVID 19 Pandemic", Population Association of America Annual Meeting, New Orleans, 2023.
Paglino, E.*, "Where Do People Go After the Storm? An Analysis of Migration Following Tropical Storms in the United States between 1990 and 2010", Population Association of America Annual Meeting, New Orleans, 2023.

Paglino, E. and Khalid, N.* (Poster), “Marriages Are Made in School: Education and Marriage in India (1960-2009)”, Population Association of America Annual Meeting, New Orleans, 2023.

2022 **Paglino, E.*** (Poster), “Not All Hurricanes Are Equal: Population Change in the Wake of Tropical Storms”, Population Association of America Annual Meeting, Atlanta, 2022.

INVITED PRESENTATIONS AND LECTURES

2024 *The Impact of Climate Change on Population Health.* In Health of Populations class (SOCI 2220), undergraduate course at the University of Pennsylvania (Instructor Iliana Kohler). November 2024

2023 *The Impact of COVID-19 on the Mortality of the Foreign-Born Population in the United States.* PHDS Annual Academy. Max Planck Institute for Demographic Research. December 2023

The Excess Framework in Mortality and Migration Research. A Unifying Framework to Investigate the Impact of Sudden Shocks on Population Dynamics. Max Planck Institute for Demographic Research. November 2023

How Hot is too Hot and How Cold is too Cold? Estimating County-Level Relationships between Temperature and Mortality in California Counties. Talk@MPIDR Series. Max Planck Institute for Demographic Research. October 2023

Excess Mortality during the COVID-19 Pandemic. In Health of Populations class (SOCI 2220), undergraduate course at the University of Pennsylvania (Instructor Iliana Kohler). September 2023.

PROFESSIONAL SERVICE

Organizer of the 2025 Population Association of American Annual Meeting with three sessions on data collection and methods.

Occasional reviewer for *Demography*, *Population Studies*, *Journal of Health and Social Behavior*, *Annals of Epidemiology*, *The European Journal of Epidemiology*, *Demographic Research*, *BMC Public Health*, *Population Health Metrics*, *PLOS ONE*, and the *Journal of Population Research*.

PROFESSIONAL AND RESEARCH EXPERIENCE

University of Helsinki – Helsinki, Finland

Postdoctoral Researcher

01/09/2024 - Present

- Investigating the impact of internal migration on geographic differentials in health and mortality in Finland
- Studying the health trajectories of international immigrants to Finland and comparing them with those of the native population

SwissRe and Boston University – Zurich, Switzerland

Consultant, Data Scientist (external)

01/02/2023 - Present

- Estimated mortality rates by educational attainment in US counties
- Examined trends in US mortality after the acute phase of the COVID-19 pandemic
- Provided expert knowledge on geographic and temporal patterns in excess mortality during the COVID-19 pandemic in the US

Population Studies Center, University of Pennsylvania – Philadelphia, USA

Researcher, Data Scientist

01/12/2021 – 31/08/2024

- Led a complex research project estimating monthly excess deaths during the COVID-19 pandemic for 3,127 US counties
- Built software infrastructure to estimate Bayesian hierarchical models and aggregate estimates at different temporal and geographical levels while propagating the relevant uncertainty
- Managed the work and progress of two research assistants, a postdoc, and an external consultant

Bocconi University – Milan, Italy

Research Assistant

01/09/2019 - 01/09/2020

- Developed software to combine geolocated data from different surveys for 135 regions of 17 African countries, integrating administrative and geographical data

- Designed statistical models to investigate the impact of Chinese investments in Africa on health outcomes, and to quantify the relationship between the prevalence of bribery and maternal mortality in African countries, with results published in [PLOS Global Public Health](#)

Netherlands Interdisciplinary Demographic Institute – The Hague, Netherlands

Research Intern

01/06/2018 - 31/08/2018

- Analysed survey metadata for the Generations and Gender Surveys to identify questions associated with respondents dropping out, proposing improved survey design to boost completion rates by 10%
- Studied new opportunities (costs, sampling issues, organizational requirements) for survey implementation and participant recruitment (e.g. via social media)
- Presented a final report concluding that the cost of pilot surveys could be reduced by more than 50%
- Conducted a statistical analysis of interviewer manipulation to detect potential issues in the latest round of data collection, with results published in [Demographic Research](#)

TEACHING EXPERIENCE

Summer Institute in Computational Social Sciences – University of Pennsylvania

Teaching Assistant

Summer 2023 and Summer 2022

- Organized 2022 and 2023, including raising funds (\$25,000+ in 2022 and \$45,000+ in 2023 edition), selecting 55+ participants, recruiting 15+ speakers from academia and industry
- Prepared and led sessions on data visualization and automated text analysis using Twitter data for groups of 30+ graduate students

Assisted students 1:1 with coding issues, data access issues, GitHub basics, and various R functionalities.

Assisted other instructors and guest speakers with their learning sessions

Department of Sociology – University of Pennsylvania

Statistical Consultant

Fall 2021 - Spring 2023

- Supported students in the Sociology and Demography PhD programs with targeted learning sessions on statistics, data analysis, programming (R, Python, Stata), specialized methods (latent class analysis, network analysis, spatial models)

Workshop Instructor

Fall 2022 - Fall 2023

- Taught workshop on “[Small-Area Estimation in Demography](#)” for the Quantitative Methodology Working Group
- Taught one-day workshop “[Introduction to R and the tidyverse](#)” for Sociology and Demography PhD students
- Organized workshop on “Bayesian Models for Spatial Statistics” for the Quantitative Methodology Working Group

TECHNICAL SKILLS AND LANGUAGES

Programming Languages and Statistical Software

R, Python, Stata, INLA and Stan (Bayesian statistical modeling)

Languages

English (fluent), Italian (native), French (intermediate)

REFERENCES

Irma T. Elo, Tamsen and Michael Brown Presidential Professor of Sociology, University of Pennsylvania

Email: popelo@pop.upenn.edu

Michel Guillot, Professor of Sociology, University of Pennsylvania

Email: miguillo@sas.upenn.edu

Samuel Preston, Professor of Sociology, University of Pennsylvania

Email: spreston@sas.upenn.edu

Andrew C. Stokes, Associate Professor, Department of Global Health, Boston University School of Public Health.

Email: acstokes@bu.edu