

# Casey F. Breen

---

Department of Demography  
University of California, Berkeley  
2232 Piedmont Ave  
Berkeley, CA 94720-2120 USA

☎ (812) 360-3930  
✉ [caseybreen@berkeley.edu](mailto:caseybreen@berkeley.edu)  
🔄 [github.com/caseybreen](https://github.com/caseybreen)  
🏠 [caseybreen.com](https://caseybreen.com)

## EDUCATION

---

In Progress	Ph.D., Demography, UC Berkeley Qualifying Exams: Causal Inference; Social Networks; and General Demography
2021	M.A., Biostatistics, UC Berkeley Committee: Sophia Rabe-Hesketh (chair), Dennis M. Feehan, Lexin Li
2019	M.A., Demography, UC Berkeley
2016	B.A., Economics (Mathematics minor), Pomona College

## RESEARCH AREAS

---

Health and Mortality Disparities, Social Networks, Computational Social Science

## PUBLICATIONS

---

2022	<b>Casey F. Breen</b> and Joshua R. Goldstein. “Berkeley Unified Numident Mortality Database: Public Administrative Records for Individual-Level Mortality Research.” Demographic Research. [ <a href="#">open access</a> ] [ <a href="#">replication</a> ]
2022	<b>Casey F. Breen</b> , Cormac Herley, and Elissa M. Redmiles. “A Large-Scale Measurement of Cybercrime against Individuals.” The 2022 ACM Conference on Human Factors in Computing Systems ( <b>CHI</b> ). [ <a href="#">replication</a> ]

## UNDER REVIEW

---

2022	<b>Casey F. Breen</b> , Dennis M. Feehan, and Ayesha S. Mahmud. “Novel Estimates Reveal Subnational Heterogeneities in Disease-Relevant Contact Patterns in the United States.” [ <a href="#">open access</a> ]
2022	<b>Casey F. Breen</b> . “Later-life Shifts in Ethnoracial Self-Identification: Evidence from Social Security Administrative Data.” [ <a href="#">open access</a> ]

## IN PROGRESS

---

2022	<b>Casey F. Breen</b> and Dennis M. Feehan. “New Approaches to Collecting Data From a Respondent-Driven Sample.”
------	--

## TECHNICAL REPORTS

---

- 2022                      **Casey F. Breen** and Maria Osborne. “An Assessment of CenSoc Match Quality.” [\[open access\]](#)

## PRESENTATIONS

---

- 2022                      **Casey F. Breen** and Nathan Seltzer. “Using Machine Learning Algorithms to Predict Age of Death.” American Sociological Association. August 2022, Los Angeles, California.
- Casey F. Breen** and Dennis M. Feehan. “New Approaches to Collecting Data From a Respondent-Driven Sample.” American Sociological Association. August 2022, Los Angeles, California.
- Casey F. Breen**, Cormac Herley, Elissa M. Redmiles. “A Large-Scale Study of Cybercrime Against Individuals.” The 2022 ACM Conference on Human Factors in Computing Systems (**CHI**). May 2022, New Orleans, Louisiana. [\[video\]](#)
- Casey F. Breen**. “Mortality Consequences of Home Ownership.” Oral session at the Population Association of America. April 2022, Atlanta, Georgia.
- Casey F. Breen** and Dennis M. Feehan. “New Approaches to Collecting Data From a Respondent-Driven Sample.” Oral session at the Population Association of America. April 2022, Atlanta, Georgia.
- Katherine Perez, Andrea Miranda-González, and **Casey F. Breen**. “Understanding the Hispanic Mortality Paradox: Variation by Country of Origin.” Oral session at the Population Association of America. April 2022, Atlanta, Georgia.
- Joshua R. Goldstein, Maria Osborne, Serge Atherwood, Leslie Root, Nathan Seltzer, Jordan Weiss, **Casey F. Breen**. “Mortality Modeling of Partially Observed Cohorts Using Administrative Death Records.” Oral session at the Population Association of America. April 2022, Atlanta, Georgia.
- 2021                      **Casey F. Breen**. “Black-White Mortality Crossover: New Evidence from Linked Administrative Data.” IPUMS Data Intensive Research Conference. June 2021, virtual.
- Casey F. Breen**, Ayesha S. Mahmud, Dennis M. Feehan. “Estimating Subnational Contact Patterns using Multilevel Regression with Poststratification.” Oral session at the Population Association of America. April 2021, virtual.
- Joshua R. Goldstein, Guy Stecklov, and **Casey F. Breen**. “Black Names and the Longevity of Siblings.” Oral session at the Population Association of America. April 2021, virtual.
- Casey F. Breen**. “Black-White Mortality Crossover: New Evidence from Linked Administrative Data.” Poster session at the Population Association of America. April 2021, virtual.
- Best Poster Award, Population Association of America
- 2020                      **Casey F. Breen**. “Shifting Racial Self-Identification for the Greatest Generation.” American Sociological Association. August 2020, virtual.

**Casey F. Breen.** “The CenSoc Project.” University of Toronto Data Workshop. July 2020, virtual.

**Casey F. Breen.** “Shifting Racial Self-Identification for the Greatest Generation.” UC Berkeley Record Linkage Conference. February 2020, Berkeley, CA.

## PROFESSIONAL EXPERIENCE

---

2020	<i>Research Scientist Intern</i> , Meta (Demography and Survey Science Team)
2018-2022	<i>Graduate Student Researcher</i> , CenSoc Project (PI: Joshua Goldstein)
2020	<i>Intern</i> , Microsoft Research (Mentors: Elissa M. Redmiles and Cormac Herley)
2018, 2021	<i>Consultant</i> , World Health Organization
2016-2018	<i>Data Analyst</i> , Institute for Social Research and Data Innovation (IPUMS)

## AWARDS

---

2021	Best Poster Award, Population Association of America
2017	Institute for Social Research and Data Innovation Outstanding Service Award

## DEPARTMENTAL AND PROFESSIONAL SERVICE

---

2020 –	Organizer, Mortality Reading Group
Ad Hoc	Reviewer, <i>Demographic Research</i> , <i>Journal of the International AIDS Society</i> , <i>Biometrical Journal</i> , <i>The Journal of Mathematical Sociology</i>

## TEACHING EXPERIENCE

---

2021	<i>Graduate Student Instructor</i> , UC Berkeley Formal Demography Workshop
2013-2015	<i>Economics Tutor</i> , Pomona College Quantitative Resource Center

## OPEN SOURCE SOFTWARE

---

- **gompertztrunc**: R package for computing mortality differentials under double truncation [GitHub]

## LANGUAGE PROFICIENCY AND SKILLS

---

- R (package development, Tidyverse), Python, ArcGIS, L<sup>A</sup>T<sub>E</sub>X, Beamer, Qualtrics.
- German (reading and oral comprehension high proficiency; intermediate speaker).