

Courtney K Allen

PhD Candidate

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Seattle, Washington, USA

SCHOLARLY INTERESTS

population health · demography · population & environment · racial inequality · mixed methods

EDUCATION

Expected 2026 **PhD, Sociology**, University of WashingtonDissertation: Hospital Desegregation: A Case of Resistance and Compliance with Deadly ConsequencesCommittee: Sara Curran (Chair), Jelani Ince, Patrick Greiner, Kyle Crowder, LaTonya Trotter (Graduate Student Representative)Qualifying Exam Fields: Medical Sociology; Critical Demography; Organizations and InequalityConcentrations: Demographic Methods, Social Statistics**Affiliate PhD student**, Population, Health, and Data Science at Max Planck Institute for Demographic Research (MPIDR-PHDS), Advisor: Marcus Ebeling2016 **MSc. Demography and Health**, London School of Hygiene and Tropical Medicine2015 **B.S. Public Health**, University of Colorado Denver
Minor: Demography

PEER-REVIEWED PUBLICATIONS

- 2024 Reosti, Anna, Chris Hess, **Courtney Allen**, & Kyle Crowder. (2024). "Mom-and-Pop" Landlords and Regulatory Backlash: A Seattle Case Study. *Socius*, 10. <https://doi.org/10.1177/23780231241296169>
- 2023 **Allen, Courtney**, Shireen Assaf, Sorrel Namaste, and Rukundo K. Benedict. 2023. "Estimates and Trends of Zero Vegetable or Fruit Consumption among Children Aged 6–23 Months in 64 Countries." *PLOS Global Public Health* 3(6):e0001662. doi: [10.1371/journal.pgph.0001662](https://doi.org/10.1371/journal.pgph.0001662).
- 2021 MacQuarrie, Kerry LD, **Courtney Allen**, Alison Gemmill. "Demographic and Fertility Characteristics of Contraceptive Clusters in Burundi." *Studies in Family Planning*. 2021. 52(4), pp.415-438. <https://doi.org/10.1111/sifp.12179>
*Among TOP DOWNLOADED PAPERS in this journal for 2021
- 2019 Wang, Wenjuan, Lindsay Mallick, **Courtney Allen**, and Thomas Pullum. "Effective coverage of facility delivery in Bangladesh, Haiti, Malawi, Nepal, Senegal, and

Tanzania." *PLOS one*. 2019. 14(6): e0217853.
<https://doi.org/10.1371/journal.pone.0217853>

- 2019 Mallick, Lindsay, Jennifer Yourkavitch, and **Courtney Allen**. "Trends, determinants, and newborn mortality related to thermal care and umbilical cord care practices in South Asia." *BMC Pediatrics* 2019. 19: 248. <https://doi.org/10.1186/s12887-019-1616-2>

BOOK CHAPTERS

- 2023 Almquist, Zack W., **Courtney Allen**, and Ihsan Kahveci. "Book Chapter in Computational Demography and Health." arXiv preprint arXiv:2309.13056 (2023).
<https://arxiv.org/abs/2309.13056>

MANUSCRIPTS IN PREPARATION

Allen, Courtney, "Revisiting Hospital Desegregation and Hospital Holdouts: Which, When, and Where. Mississippi 1965-1970".

Allen, Courtney and Marcus Ebeling, "The Racial Mortality Gap after Hospital Desegregation".

Allen, Courtney, Jeff Vincent, Yi Wang, Kaichao Chang, Susana Adamo, and Sara Curran. "Reforestation and Age Structure in Low-and-Middle-Income Countries". For submission to *Nature Climate Change*

Ann Bostrom, Sara Curran, Sameer Shah, **Courtney Allen**, Desiree Salais, Masha Vernik. "Mobility, migration, and displacement in environmental hazards: Integrating demography, population health, and hazards research practices". For submission to *Global Environmental Change*

Allen, Courtney and Sara Yeatman. "Describing Marital Dynamics in Lower and Middle-Income Countries with Underutilized Demographic and Health Surveys Data".

AWARDS & RESEARCH SUPPORT

2025	
NIH T32 Data Science Training in Demography and Population Health Training Grant.....	\$28,788
Russell Sage Foundation Dissertation Research Grant.....	\$15,000
Spring Research Fund Award, University of Washington, Sociology.....	\$2,000
2024	
NIH T32 Data Science Training in Demography and Population Health Training Grant.....	\$28,224
Center for Statistics and the Social Sciences (CSSS) Travel Award	\$1000
2023	
Spring Research Fund Award, University of Washington, Sociology.....	\$500

2020	Top Scholar Fellowship, University of Washington	\$21,924
2015	First place scholarship, Colorado School of Public Health Case Competition	\$500

OTHER PUBLICATIONS & REPORTS

2022	Assaf, Shireen, Rukundo Benedict, and Courtney Allen . 2022. <i>Electrification and Refrigeration: Association with Child Nutrition and Vaccination</i> . DHS Analytical Report No. 85. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/AS85/AS85.pdf
2020	Allen, Courtney K. , Julia Fleuret, Jehan Ahmed. 2020. <i>Data Quality in Demographic and Health Surveys That Used Long and Short Questionnaires</i> . DHS Methodological Reports No. 30. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/MR30/MR30.pdf
	Mallick, Lindsay, Rukundo K. Benedict, Courtney Allen , and Bradley Janocha. 2020. <i>Proposal of a Quality of Care Index (QOCI)</i> . DHS Methodological Report No. 29. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/MR29/MR29.pdf
	Pullum, Thomas W., Courtney Allen , Sorrel Namaste, and Trevor Croft. 2020. <i>The Sensitivity of Anthropometric Estimates to Errors in the Measurement of Height, Weight, and Age for Children Under Five in Population-Based Surveys</i> . DHS Methodological Reports No. 28. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/MR28/MR28.pdf
	Juan, Christina, Courtney Allen , and Kerry L. D. MacQuarrie. 2020. <i>Associations between Women's Current Contraceptive Method Decision Making and their Reproductive Calendar Histories in Burundi</i> . DHS Working Paper No. 172. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/WP172/WP172.pdf
	MacQuarrie, Kerry L.D., Courtney Allen , and Alison Gemmill. 2020. <i>Fertility and Family Planning Characteristics of Contraceptive Clusters in Burundi</i> . DHS Working Paper No. 171. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/WP171/WP171.pdf
	Allen, Courtney , Aysha Sheraz, and Tesfayi Gebreselassie. 2020. Trends in Internal Migration and Women's Empowerment in Pakistan, 2012-2018. DHS Further Analysis Reports No. 130. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/FA130/FA130.pdf
2019	Allen, Courtney K. , Trevor N. Croft, Thomas W. Pullum and Sorrel M. L. Namaste. <i>Evaluation of Indicators to Monitor Quality of Anthropometry Data during Fieldwork</i> . DHS Working Papers No. 162. Rockville, Maryland, USA: ICF. https://dhsprogram.com/pubs/pdf/WP162/WP162.pdf

Contributor. Ghana Statistical Service (GSS), Ghana Health Service (GHS), and ICF. 2019. *2017 Ghana Maternal Health Survey Research Policy Briefs*. Accra, Ghana: GSS, GHS, and ICF. <https://dhsprogram.com/pubs/pdf/PB14/PB14.pdf> (publication result of teaching experience on pg. 4)

MacQuarrie, Kerry L. D., Christina Juan, **Courtney Allen**, Sally Zweimueller, and Alison Gemmill. 2019. *Women's Contraceptive Profiles throughout the Life Course in Burundi and Nepal*. DHS Analytical Studies No. 72. Rockville, Maryland, USA: ICF. <https://dhsprogram.com/pubs/pdf/AS72/AS72.pdf>

Yeatman, Sara and **Courtney Allen**. "The dynamics of fertility preferences in southern Malawi." Working paper submitted to Monographies Sud-Nord, In Le dividend démographique en Afrique subsaharienne. (Edited by Daniel Delauney and Jean-Pierre Guengant). Université Paris 1 Pantheon Sorbonne. March 2019. http://horizon.documentation.ird.fr/exl-doc/pleins_textes/divers19-03/010075081.pdf

2018

Mallick, Lindsay, Jennifer Yourkavitch and **Courtney Allen**. *Thermal care and umbilical cord care practices and their associations with newborn mortality*. DHS Analytical Reports No. 68. Rockville, Maryland, USA: ICF. <https://dhsprogram.com/pubs/pdf/AS68/AS68.pdf>

Croft, Trevor and **Courtney Allen**. *DHS Contraceptive Calendar Tutorial*. Rockville, Maryland, USA: ICF International. September 2018 <https://www.dhsprogram.com/data/calendar-tutorial/>

Croft, Trevor N., Aileen M. J. Marshall, **Courtney K. Allen**, et al. *Guide to DHS Statistics*. Rockville, Maryland, USA: ICF. [https://www.dhsprogram.com/pubs/pdf/DHSG1/Guide to DHS Statistics DHS-7.pdf](https://www.dhsprogram.com/pubs/pdf/DHSG1/Guide%20to%20DHS%20Statistics%20DHS-7.pdf)

Wang, Wenjuan, Lindsay Mallick, **Courtney Allen**, and Tom Pullum. *Effective Coverage of Facility Delivery in Bangladesh, Haiti, Malawi, Nepal, Senegal, and Tanzania*. DHS Analytical Studies No. 65. Rockville, Maryland, USA: ICF. <https://dhsprogram.com/pubs/pdf/AS65/AS65.pdf>

Mallick, Lindsay, **Courtney Allen**, and Rathavuth Hong. *Trends in Maternal and Child Health in Cambodia, 2000-2014. Further Analysis of the 2000, 2005, 2010, and 2014 Cambodia Demographic and Health Surveys*. DHS Further Analysis Reports No. 106. Rockville, Maryland, USA: ICF <https://dhsprogram.com/pubs/pdf/FA106/FA106.pdf>

2017

MacQuarrie, Kerry L.D., Lindsay Mallick, and **Courtney Allen**. *Sexual and Reproductive Health in Early and Later Adolescence: DHS Data on Youth Age 10-19*. DHS Comparative Reports No. 45. Rockville, Maryland, USA: ICF. <https://dhsprogram.com/pubs/pdf/CR45/CR45.pdf>

Wang, Wenjuan, Sarah Staveteig, Rebecca Winter, and **Courtney Allen**. *Women's Marital Status, Contraceptive Use, and Unmet Need in Sub-Saharan Africa, Latin*

America, and the Caribbean. DHS Comparative Reports No. 44. Rockville, Maryland, USA: ICF. <https://dhsprogram.com/pubs/pdf/CR44/CR44.pdf>

CONFERENCE PARTICIPATION

- 2025 **Allen, Courtney (presentation)**. “The racial mortality gap after hospital desegregation: The case of Mississippi”, Session no. 81, Historical Policies and Health *Population Association of America*, Washington, DC, April 2025
- 2024 **Allen, Courtney (presentation)**, “Hospital Desegregation in Mississippi, 1965-1970”, Session no 2. Health, Resistance, Discrimination, and the State. *Society for the Social History of Medicine Biennial Conference*, Glasgow, UK, July 2024
- Allen, Courtney (poster)**, Vincent, J., Adamo, S., Wang, Y., Curran, S., Chang, K. “Reforestation and Age Structure in Low-and-Middle-Income Countries”. Poster session P05: Neighborhoods, Environment, Spatial Demography, and Data and Methods. *Population Association of America*, Columbus, OH. April 2024.
*Best Poster Winner!
- 2023 **Allen, Courtney (presentation)**. “Hospital desegregation and Population Health”, Session no. 90, Public Health and Population Health. Social History Association, Washington, DC, November 2023
- Allen, Courtney (presentation)**. “Hospital desegregation and the changing access to hospital beds in Mississippi”, Session no. 165, Structural and Institutional Determinants of Health Inequities: How Do Geographic and Institutional Segregation Matter for Population Health? *Population Association of America*, New Orleans, LA, April 2023
- Anna Reosti, American Bar Foundation; Chris Hess, Kennesaw State University; **Courtney Allen (presenter)**, University of Washington; Kyle Crowder, University of Washington Allen. “How Do Landlords Respond to Tenant Protection Regulations?”. Session no. 60, Community Responses to Social, Cultural, and Economic Equity in the City. *Pacific Sociological Association*, Bellevue, WA, March 2023
- 2022 **Allen, Courtney (discussant)**. Session no. 57, Computational Demography, Machine Learning, and Algorithmic Bias. *Population Association of America*, Atlanta, GA, April 2022
- 2021 **Allen, Courtney (poster)**, Aysha Sheraz, Tesfayi Gebreselassie. “Internal migration and women's empowerment in Pakistan.” *Population Association of America*, Virtual Conference, April 2021

- 2019 **Allen, Courtney (presenter)** and Sara Yeatman. "Describing Marital Dynamics in Lower and Middle-Income Countries with Underutilized Demographic and Health Surveys Data". *Population Association of America*, Austin, TX, April 2019
- Allen, Courtney (poster)**, Lindsay Mallick, and Rathavuth Hong. "Stunting Trends in Children in Cambodia, 2000-2014." *Poster at American Society of Nutrition Conference*, Baltimore, MD, June 2019
- Mallick, Lindsay, **Courtney Allen (poster)**, and Rathavuth Hong. "Trends and Inequalities in Maternal Health in Cambodia, 2000-2014." *Population Association of America*, Austin, TX, April 2019
- 2018 **Allen, Courtney (poster)**, Kerry MacQuarrie, and Lindsay Mallick. "Marital indicators characterizing youth Age 10-19 using DHS data." *Population Association of America*, Denver, CO, April 2018
- MacQuarrie, Kerry, Lindsay Mallick, and **Courtney Allen (poster)**. "Contraceptive Use among Adolescents Age 10-19: Estimates from DHS Calendar Data." *Population Association of America*, Denver, CO April 2018

RESEARCH EXPERIENCE

- 2021 – 2025 **Research Assistant**, Center for Studies in Demography and Ecology, PI: Sara Curran
- 2020 **Research Assistant**, University of Washington, PI: Zack Almquist
- 2017 – 2025 **Senior Research Data Analyst**, The Demographic and Health Surveys (DHS) Program, ICF, Rockville, Maryland
- 2017 **Research Assistant**, University of Colorado Denver, PI: Sara Yeatman
- 2015 **Field Research Assistant**, University of Colorado Denver, Balaka, Malawi, 2-month fixed-term position. *Tsogolo la Thanzi longitudinal study* <http://tsogololathanzi.uchicago.edu>

TEACHING EXPERIENCE

As Instructor

SOC 331 Population and Society

Workshops with The DHS Program

Ethiopia Surveillance Provisions Assessment (SPA) Workshop, Bishoftu, Ethiopia. 2023

Ghana Maternal Health Analysis and Policy Brief Writing Workshop, Ada Foah, Ghana. 2019

Indonesia DHS Complex Indicators Workshop, The DHS Program. Jakarta, Indonesia. 2018

Tanzania SPA Further Analysis Workshop, The DHS Program. Zanzibar, Tanzania. July 2018

Nepal Sub-Regional DHS Further Analysis Workshop, The DHS Program. Pokhara, Nepal. 2018

PROFESSIONAL SERVICE

2021	Global Health Science and Practice, <i>Reviewer</i>
2021	Interdisciplinary Association for Population Health Science Conference, <i>Poster Judge</i>
2023-2024	Context Working Group Organizer
2020-2025	Graduate Student Association, University of Washington, Sociology Department
2024-2025	<i>Representative to the Admission Committee & Representative to the Graduate Program Committee</i>
2023-2024	<i>Representative to the Chair</i>
2022-2023	<i>GSA Executive Committee</i>
2021-2022	<i>Representative to the Graduate and Professional Student Senate</i>
2020-2021	<i>Committee on the Graduate Student Research Symposium</i>

PROFESSIONAL AFFILIATIONS

2017-present	Population Association of America
2020-22; 2025	American Sociological Association
2023	Social Science Historical Association
2021	Interdisciplinary Association for Population Health Science

SOFTWARE AND PLATFORM SKILLS

Proficient in R and Stata for data analysis and visualization; Experienced in NVivo for qualitative analysis; Proficient in Git and GitHub for project management and data analysis repositories; Knowledgeable in Python for data analysis

RELEVANT GRADUATE COURSEWORK

CSDE 533: Research Methods in Demography (Ben Hanowell)
 CSDE 513: Demography and Ecology (Dr. Sara Curran)
 CS&SS 510 Maximum Likelihood Methods for the Social Sciences (Dr. Chris Adolph)
 CS&SS 560 : Hierarchical Modeling For The Social Sciences (Dr. Tyler McCormick)
 CS&SS 563: Statistical Methods for Spatial Data (Dr. John Wakefield)
 CS&SS 563: Statistical Demography (Dr. Adrian Raftery)
 CS&SS 594: Artificial Intelligence and Machine Learning and their Applications in the Social Sciences (Dr. Tyler McCormick)
 CSE 583: Software Programming for Data Scientists (Dr. David Beck, Dr. Bryna Hazelton)
 SOC 538: Data Science, Population Processes & Health (Dr. Zack W. Almquist)

CSDE= Center for Studies in Demography and Ecology; CS&SS=Center for Statistics and the Social Sciences; CSE=Computer Science and Engineering; SOC=Sociology

REFERENCES

Dr. Sara Curran, scurran@uw.edu

Professor of Sociology

University of Washington, Seattle, WA

Dr. Kyle Crowder, kylecrow@uw.edu

Professor of Sociology

University of Washington, Seattle, WA

Dr. Jelani Ince, jince@uw.edu

Assistant Professor of Sociology

University of Washington, Seattle, WA

Dr. Patrick Greiner, ptgrein@uw.edu

Assistant Professor of Sociology

University of Washington, Seattle, WA

Dr. Marcus Ebeling, ebeling@demogr.mpg.de

Department Head, Population Health

Max Planck Institute for Demographic Research, Rostock, Germany