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* indicates mentee first author

AWARDS	Harvard Biostatistics Certificate of Distinction in Teaching	2020
	Harvard Epidemiology Teaching Assistant Award	2020
	Winner, Harvard Epidemiology Student Podcast Competition	2020
	Bok Center Certificate of Distinction in Teaching (×3)	2017, 2018, 2019
	Runner-up, Harvard T.H. Chan School Poster Day	2019
	Ralph & June Catalano Award Scholarship	2015
	Reshetko Scholarship	2014
	U.C. Berkeley Graduate Division Block Grant	2014
	Phi Beta Kappa	2011
	Magna cum laude; Brown University departmental honors	2011
	C.V. Starr Fellowship for Public Service	2008
FUNDING	Co-Investigator on subaward (PI: Simmonds)	
	Prime sponsor HRSA (PI: Mills; MaineHealth)	
	<i>Rural Maternity and Obstetrics Management Strategies (RMOMS): Workforce Needs Assessment of Rural Labor and Delivery Units in Maine</i>	
	September 2023 – December 2023; \$73,434	
INVITED TALKS	“Introduction to causal inference.” MaineHealth Institute for Research. June 26 & July 17, 2023. (Portland, ME)	
	“Closing remarks.” Annual Symposium on Risks and Opportunities of AI in Pharmaceutical Medicine (AIPM). June 5, 2023. (Portland, ME)	
	“Intro to {targets}.” Maine R User Group. May 31, 2023. (Portland, ME)	
	“Challenges in estimating effects of time-varying exposures during pregnancy.” Advanced Methods Workshop, Society for Pediatric and Perinatal Epidemiologic Research (SPER). June 16, 2022. (Chicago, IL)	
	“Causal inference in epidemiology using target trial principles: Applications in pregnancy and prostate cancer.” Statistics seminar, École Polytechnique Fédérale de Lausanne. September 17, 2021. (Lausanne, Switzerland)	
	“Multiple-bias sensitivity analysis using bounds.” Joint Statistical Meetings (JSM). August 9, 2021. (Virtual)	
	“Simple sensitivity analysis for selection bias using bounds.” 13th International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics). December 19, 2020. (Virtual)	
	“Discussion of ‘Selection bias in 2020.’” Online Causal Inference Seminar. December 8, 2020. (Virtual)	
	“The magic of R.” Master of Food and Resource Economics Program, University of British Columbia. August 20, 2020. (Virtual)	
	“Data gets personal.” Maine Medical Center R User Group. July 16, 2020. (Virtual)	
	“Data manipulation in R.” Maine Medical Center R Group. July 14, 2020. (Virtual)	

“Data gets personal.” RLadies Boston, January 29, 2020. (Boston, MA)

“Simple sensitivity analysis for selection bias.” Koenen trauma epidemiology research group, Harvard T.H. Chan School of Public Health. December 4, 2019. (Boston, MA)

“Simple sensitivity analysis for selection bias.” Department of Medical Epidemiology and Biostatistics student seminar, Karolinska Institute. November 12, 2019. (Stockholm, Sweden)

“Simple sensitivity analysis for selection bias.” Monthly methods call, Vaccine Safety Datalink. September 12, 2019. (Virtual)

CONTRIBUTED
PRESENTATIONS
& WORKSHOPS

“Evaluating missingness assumptions for items in a frailty index.” Society for Epidemiologic Research (SER). June 14, 2023 (Portland, OR). *Oral Abstract Session*.

“Reproducible epidemiology in R.” Society for Epidemiologic Research (SER). June 13, 2023 (Portland, OR). *Pre-Conference Workshop*.

“COVID-19 and preterm birth: Understanding the relationship.” Society for Pediatric and Perinatal Epidemiologic Research (SPER). June 16, 2021 (Virtual). *Speed Talk Session*.

“Challenges in estimating effects of COVID-19 on preterm birth.” Society for Epidemiologic Research (SER). June 23, 2021 (Virtual). *Oral Abstract Session*.

“E-values, unmeasured confounding, measurement error, and selection bias.” Society for Epidemiologic Research (SER). June 18, 2019 (Minneapolis, MN); December 11, 2020 (Virtual); May 21, 2021 (Virtual). *Pre-Conference Workshop, with Tyler VanderWeele / Maya Mathur*.

“Simple sensitivity analysis for selection bias. Society for Epidemiologic Research (SER).” June 20, 2019 (Minneapolis, MN). *Concurrent Contributed Session Oral Presentation*.

POSTERS
(FIRST AUTHOR
ONLY)

Smith LH, Bu F, Nishimura A, Kostka K, McLeggon J, Ryan PB, Hripcsak G, Madigan D, Suchard MA. Bayesian Evidence Synthesis with Bias Correction. Observational Health Data Sciences and Informatics (OHDSI) Global Symposium. East Brunswick, NJ, October 20, 2023. *Finalist: Best Community Contribution*.

Smith LH, Zaidi J. Identifying direct effects of in vitro fertilization on placental disease. Harvard T.H. Chan School of Public Health Poster Day. Boston, MA, April 25, 2019. *Runner-up: Best graduate student poster*.

Smith LH, Deardorff J, Petito L, Kim H, & Abrams BF. Maternal prepregnancy weight and children’s behavioral and emotional outcomes. Society For Research in Child Development (SCRD). Austin, TX, April 8, 2017.

Smith LH, Petito L, Cohen A, Deardorff J, & Abrams B. Gestational weight gain and math and reading achievement among U.S. children. Society for Pediatric and Perinatal Epidemiologic Research (SPER). Miami, FL, June 20, 2016.

SOFTWARE &
ONLINE TOOLS

Cavanaugh R, **Smith LH**. *alofus*: R package to streamline use of the All of Us Researcher Workbench. [R Package on CRAN](#).

Smith LH. Simple sensitivity analysis for selection bias. *Online tool available at selection-bias.louisahsmith.com*.

Mathur MB, **Smith LH**, Ding P, VanderWeele TJ. *EValue*: Sensitivity analyses for unmeasured confounding or selection bias in observational studies and meta-analyses. [R](#)

Package on CRAN.

Smith LH. PHS Summer Prep. *Online introduction to R, probability, and statistics for incoming PhD students available at bit.ly/phs-prep.*

TEACHING: PRIMARY INSTRUCTOR	Northeastern University , Boston, MA		
	PHTH 6800: Causal Inference in Public Health Research		Spring 2023, 2024
	3 Credits		
	Emory University Rollins School of Public Health , Atlanta, GA		
	EPI590R: R Bootcamp		Summer 2023
	1 Credit		
	Harvard T. H. Chan School of Public Health , Boston, MA		
	ID 543: Introduction to R		Summer 2023
	1.25 Credits		
TEACHING: STUDENT INSTRUCTOR	Harvard T. H. Chan School of Public Health , Boston, MA		
	EPI 207: Advanced Epidemiologic Methods		2018 – 2020
	Head teaching fellow		
	<i>Instructor:</i> James Robins		
	BST 256: Theory and Methods for Causality I		2020
	Teaching fellow		
	<i>Instructor:</i> Andrea Rotnitzky		
	Introduction to R		2019 – 2020
	Instructor and course developer		
	Introduction to Epidemiology		2019 – 2020
	Co-instructor		
	<i>Co-instructor:</i> David Cote		
	PHS 2000: Quantitative Research Methods		2017 – 2019
	Teaching fellow		
	<i>Instructors:</i> Tyler VanderWeele, Jarvis Chen, Michael Hughes, Jessica Cohen		
	University of California, Berkeley , Berkeley, CA		
	PH 150A: Introduction to Epidemiology and Human Disease		2016
	Graduate student instructor		
	<i>Instructor:</i> Lisa Barcellos and Mahasin Mujahid		
	PH 250A: Epidemiologic Methods		2015
	Graduate student instructor		
	<i>Instructor:</i> Sandra McCoy		
Guest lectures			
PHS 2000B: Quantitative Research Methods, Harvard T.H. Chan School of Public Health.			
SBS 245: Social and Behavioral Research Methods, Harvard T.H. Chan School of Public Health.			

MPH 677: Regression Models in the Health Sciences, University of Southern Maine.
PHTH 5202: Epidemiology, Northeastern University.

OTHER

Member, Society for Epidemiologic Research (SER)

Member, Society for Pediatric and Perinatal Epidemiologic Research (SPER)

Planning Committee, Annual Symposium on Risks and Opportunities of AI in Pharmaceutical Medicine (AIPM)

Ad-hoc reviewer: *American Journal of Epidemiology*, *Biometrika*, *BMJ Open*, *Epidemiologic Methods*, *Epidemiologic Reviews*, *Epidemiology*, *International Journal of Epidemiology*, *JAMA Network Open*, *JAMA Psychiatry*, *Journal of Causal Inference*, *Journal of Epidemiology*, *Patient Preference and Adherence*, *Paediatric and Perinatal Epidemiology*, *Scientific Reports*, *Sociological Methods and Research*

OTHER
PROFESSIONAL
EXPERIENCE

Little Wound School, Kyle, SD

Elementary school teacher 2011 – 2014

3rd grade teacher of 10-20 students

Taught reading, writing, math, science, social studies

Lesson planning, curriculum mapping, analysis of student progress