Hashim Mustanir Tirmizi

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Education

University of Pennsylvania — **Philadelphia, USA**
Ph.D. in Demography — *2022 - 2026*

The Wharton School, University of Pennsylvania — **Philadelphia, USA**
M.A. in Statistics & Data Science — *2022 - 2026*

University College London — **London, UK**
M.Sc. in Health Economics & Decision Science — *2020 - 2021*

University of Illinois Urbana-Champaign — **Urbana, USA**
B.S. in Mathematics — *2016 - 2019*

Professional Experience

LMKR — **Islamabad, Pakistan**
Research Data Scientist — *Jul 2026 - Present*

Population Studies Center, University of Pennsylvania — **Philadelphia, USA**
Doctoral Researcher — *Sep 2022 - Jun 2026*
Causal-inference research on maternal and child health in Pakistan; teaching assistant and research assistant.

Population Council — **Islamabad, Pakistan**
Research Assistant — *Feb 2022 - Aug 2022*
Statistical analysis for multi-site public-health studies, manuscripts and policy briefs.

ASK Consulting (UNDP-Prime Minister's Office) — **Islamabad, Pakistan**
Consultant (Research & Policy) — *Jan 2022 - Feb 2022*
Analysis of Pakistan Citizen Portal data to evaluate public-service delivery.

University College London — **London, UK**
Research Intern — *Jun 2021 - Dec 2021*
Analysis of household health-expenditure microdata.

VEON (Jazz) — **Islamabad, Pakistan**
Data Scientist — *Nov 2019 - Oct 2020*
Predictive customer-churn modelling and automated reporting pipelines in Python.

LMKT — **Islamabad, Pakistan**
Data Analyst — *Apr 2019 - Nov 2019*
R Shiny dashboards over SQL databases for KPI monitoring; automated reporting.

Research

Preprint: **Tirmizi, H. M.**, Monteiro da Silva, J. H. C., O'Neill, K., & Kim, H. J. K. (2026). *Maternal prenatal care and child polio vaccination in Pakistan: a province-stratified propensity-score full-matching analysis*. SSRN preprint, ssrn.com/abstract=7319881.

In preparation: *The Effect of Private Perinatal Care on Cesarean Section Rates: A Doubly Robust Estimation*.

Fellowships

2022 - 2026: Benjamin Franklin Fellowship, University of Pennsylvania (full doctoral funding).

Technical Skills

Programming: R (advanced), Python, SQL, Stata, LaTeX; Tableau, R Shiny, Git; MICS/DHS microdata.

Methods: Causal inference (difference-in-differences, instrumental variables, synthetic control, doubly robust estimation), machine learning, survival analysis, complex-survey methods.