

Ishan Phadke
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Education

- **University of North Carolina – Chapel Hill** *July 2019 – Present (Expected May 2025)*
 - Concentration: PhD in Economics – Industrial Organization & Health
- **The Pennsylvania State University – Main Campus** *June 2015 - May 2019*
 - Schreyer Honors College, Millennium Scholars Program & Paterno Fellows Program *G.P.A. 3.94/4.00*
 - Major: Mathematics (BS) and Economics (BS) & Minor: Statistics

Working Papers

- **Rewarding Incremental Innovation: Pharmaceutical Line-Extensions – Job Market Paper**

Existing work, on welfare implications of policy fixes for pharmaceutical line-extension exclusivity rewards, neglects to model the firm's timing incentives, which are affected in alternate policies. I solve for the firm's launch and pricing decisions using a dynamic model, accounting for a state dependent demand system of consumer inertia. With this model, I calculate and compare welfare under alternate policies.

Works in Progress

- **How costly are pharmaceutical line extensions?**
- **Patient responses to formulary changes** (with Josh Feng and Luca Maini)
- **Worth the Hype?**
- **To shrink or not shrink: Evaluating differences between firm's product shrinkage decisions** (with Thomas Bollinger and Drew van Kuiken)

Publications

- **Analysing How Changes in the Health Status of Healthcare Workers Affects Epidemic Outcomes -** *Epidemiology and Infection (2021)*
- **Management Efficacy in a Metapopulation Model of White-Nose Syndrome -** *Natural Resource Modeling (2021)*
- **Governance Structure Affects Transboundary Disease Management Under Alternative Objectives -** *BMC Public Health (2021)*

Research & Professional Experience

- **Research Assistant - Dr. Luca Maini and Dr. Josh Feng** *Jan 2022-Present*
 - Topic: Analyzing the effects of PBM's drug tiers on insulin demand
- **Cornerstone Research (Boston, MA) – Summer Associate** *Summer 2023*
- **The Odum Institute for Research in Social Science – Manuscript Data Verifier** *May 2022-Dec 2023*
- **Shea Lab – Undergraduate Research Assistant** *January 2016-June 2019*

Advisor: Dr. Katriona Shea – Infectious Disease Lab, work with Dr. Jessica M. Conway

 - Conducted an independent project analyzing how changes in the health status of health care workers impacts epidemic burdens. This doubled as my honors thesis.
- **S.M.A.L.L. REU at Williams College – Undergraduate Researcher** *Summer 2018*

Advisor: Dr. Julie Blackwood

- Studied the impact of dispersal on the spread of white nose syndrome in bats. Explored optimal governance scenarios for disease management in two states through utilizing mathematical models.

- **Lincoln Financial Group (Greensboro, NC) – Actuarial Intern** *Summer 2017*

Teaching Experience

- **Course Instructor (UNC Chapel Hill) – ECON 101 & ECON 445** *Summer 2022/2024 & Spring 2023*
- **Teaching Assistant (UNC Chapel Hill)** *Fall 2020-Present*
 - Intro Economics (x3), Industrial Organization, Intro Econometrics, Labor, Entrepreneurship, Adv. Micro

Conferences

- **Southern Economics Association (SEA)** *November 2023 & 2024*
- **Triangle IO Conference** *April 2024*
- **American Society of Health Economists (ASHEcon)** *June 2024*
- **Joint Mathematics Meeting (JMM)** *January 2019*
- **Annual Biomedical Research Conference for Minority Students (ABRCMS)** *November 2017*
 - Awarded a top presentation award in the category of Computational Biology

Service

- **Graduate Professional Student Government Senator (UNC)** *Fall 2021 – Aug 2023*
 - Appropriations Chair & GPSG Stipend Taskforce (2022)
- **Cohort Council President - Millennium Scholars Program** *2017-2018*
- **Assistant Scoutmaster - Allentown, PA** *2015-2019*

Honors/Awards

- **UNC Economics Best Undergraduate Course TA Award** *May 2023*
- **Eagle Scout** *August 2014*
- **Pennsylvania State University Outstanding Student in Economics Award** *October 2018*

Skills Advanced: R, Matlab, Stata, Microsoft Office; Proficient: Python & LaTeX; Novice: Julia & SQL

References

Brian McManus – Professor, Department of Economics - University of North Carolina

Luca Maini – Assistant Professor of Health Care Policy, Department of Health Care Policy, Harvard Medical School

Jonathan Williams – Professor, Department of Economics - University of North Carolina

Gary Biglaiser – Professor, Department of Economics - University of North Carolina

Marco Duarte – Assistant Professor, Department of Economics - University of North Carolina