

# Ishan Phadke

University of North Carolina – Chapel Hill

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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
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## 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.
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## 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)

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## 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)
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## 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

**Cornerstone Research (Boston, MA) – Summer Associate**

Summer 2023

**The Odum Institute for Research in Social Science – Manuscript Review 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.

## **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
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## **Conferences**

**Southern Economics Association (SEA)***November 2023***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
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## **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*

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## **Honors/Awards**

**Eagle Scout***August 2014***Millennium Scholars Scholarship Award***August 2015***Schreyer Academic Excellence Award***August 2015***Pennsylvania State University Outstanding Student in Economics Award***October 2018***UNC Economics Best Undergraduate Course TA Award***May 2023*

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

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## **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