

Blythe Adamson, MPH, PhD

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MISSION

A health economist, data scientist, and pharmacoepidemiologist aiming to identify **valuable biomedical innovation** for research and development

UNIVERSITY OF WASHINGTON

PhD 2018 Pharmacoeconomics
MPH 2009 Epidemiology
BS 2006 Microbiology

EMPLOYERS

Flattrion Health, HIV Vaccine Trials Network, Fred Hutchinson Cancer Research Center, Institute for Disease Modeling, Global Good, Boston Scientific, and Salutis Consulting

RESEARCH

1. Developed **microsimulation model** of leukemia as proof of concept for decision-making with dynamic biomarker trajectories and partly conditional risks
2. Informed NYC public health policy with analysis of 16,000 HIV patients over time and **cost-effectiveness** model of financial incentives for viral suppression
3. Estimated value-based **pricing** for HIV vaccines in South Africa, funded by Gates, and the US, funded by American Foundation for Pharmaceutical Education

EXECUTION

Wrote 8 published papers
Filed 1 provisional patent
Presented in 5 countries

CODE R, Stata, VBA, Python, C, MATLAB

DATA

Analyzed healthcare claims data, laboratory measurements, CDC surveillance, RCTs, prescription databases

LEADERSHIP

Led 10 committees, 98 student chapter presidents, and >5,000 grad students across 31 countries as **Chair** of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Student Network

METHODS

Markov models, agent-based microsimulation, logistic regression, econometrics

HONORS

1. Presented dissertation to **Nobel-Prize winning economists** as a US delegate to the Lindau Nobel Laureate Meeting in Germany
2. Awarded multiple prizes in data science, hardware, and healthcare innovation for co-founding of SmartDx platform
3. Exemplified academic pillars as University of Washington Husky 100