

abbvie

HEALTH ECONOMICS AND OUTCOMES RESEARCH STRATEGY

FELLOWSHIP PROGRAM

ABBVIE - UNIVERSITY OF WASHINGTON
2026-2028

W UNIVERSITY *of* WASHINGTON



People.
Passion.
Possibilities.®

ABOUT ABBVIE

AbbVie's mission is to discover and deliver innovative medicines and solutions that address complex health issues and enhance people's lives

Treating
60M
people annually

in more than
175+
countries

across
30+
brands

Treating
75+
conditions

Value & Evidence

V&E Purpose

In Value & Evidence, we lead in creating and communicating transformative evidence to shape healthcare decision-making to make a remarkable impact for patients:

- Through end-to-end evidence generation
- With industry leading evidence generation capabilities
- Powered by a customer-centric enterprise mindset



V&E Pillars

HEOR Strategy

Provide strategic global leadership in identifying, conducting & delivering innovative health economics & outcomes evidence generation solutions across the products lifecycles.

- Patient Centered Outcomes Research (PCOR)
- Real World Evidence Center of Expertise
- Value Analytics Center
- Value & Access (US)
- Evidence Planning & Execution

Therapeutic Areas

Aesthetics

Immunology

Oncology

Eye Care

Neuroscience

Specialty

ABOUT THE UNIVERSITY OF WASHINGTON

The University of Washington is a world-class leader in health sciences education and has been consistently listed in US News and World Report as one of the top 10 institutions for its graduate programs. The University is particularly noted for its strong research programs and since 1974 has received more federal funds for research and training than any other public university in the United States. It fosters a highly collegial atmosphere between departments and academic units, creating a particularly attractive environment for such partnerships between the public and private sectors.

The Comparative Health Outcomes, Policy, and Economics (CHOICE) Institute is housed within the University of Washington School of Pharmacy, which boasts nearly 125 years of academic and research success. Faculty in the program (1) provide advanced research training for graduate students, postdoctoral fellows and clinicians (PharmDs, MDs), (2) conduct rigorous scientific research in economic evaluations and outcomes of pharmaceuticals and other health technologies, and (3) translate and disseminate the results of research into clinical practice and healthcare policy, with the goal of improving patient care.

The CHOICE Institute faculty participating in the fellowship have been chosen both for their dedication to teaching and their excellence in research. Each is trained either as a health economist or health services researcher and all have an extensive history of effective economic evaluations and pharmacoepidemiologic research.



ABOUT OUR FELLOWSHIP

The University of Washington/AbbVie HEOR Fellowship is a two-year program that provides training and hands-on experience in a broad-range of health economics and outcomes research topics. The program is structured to allow fellows to gain proficiency in health outcomes strategy and research as conducted in both academic and pharmaceutical industry settings.

Fellowship Directors



Kyu Lee

University of Washington

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Jae Lee

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The Fellowship Program

- The University of Washington and AbbVie are pleased to offer one, 2-year HEOR Fellowship position for the academic year 2026-2028. The fellow will spend their first year at the University of Washington (Seattle, WA), and the second year at AbbVie (Mettawa, IL; Irvine, CA; or Florham Park, NJ).
- Compensation includes tuition, a competitive stipend, medical insurance, conference attendance, relocation package, and holiday/vacation time. A Master's (MS) Degree in Health Economics & Outcomes Research is awarded upon completion of all course requirements and thesis project.



First Year Objectives



Learn principles of economics and in particular how economics influence the use, cost, and availability of pharmaceuticals



Understand the complexity behind drug policy and how it determines relationships between consumers, health care providers, insurers, payers, and government agencies



Appreciate the breadth and scope of analytical methods needed for the assessment of Patient Reported Outcomes (PROs), economic modeling, and real-world studies



Gain insight of formulary development, maintenance and evaluation in institutional, managed care, and state-level government programs

Second Year Objectives



Apply principles of economic evaluations, outcomes research and real-world analysis in a pharmaceutical environment with hands-on research and collaborations



Integrate into cross-functional and HEOR work streams to develop a deeper understanding of the role of HEOR in drug development and commercialization



Develop key research tactics and innovate to drive the field of HEOR forward and maximize value demonstration of AbbVie products

PERSPECTIVES FROM PAST AND CURRENT FELLOWS

Insights from current AbbVie colleagues



2018-2022

Jamie Ta

“The MS program at CHOICE, together with the multiple opportunities I had to lead high-impact HEOR studies, collaborate with cross-functional partners, and support HEOR strategy... helped me gain a better understanding of the role of HEOR in the pharmaceutical industry and develop the technical, leadership, and communication skills that have prepared me well for my current role.”

2021-2023

Gina Ahmadyar

“The most memorable experience for me was the moment I completed the analysis for my thesis. It was an incredible feeling to take it from an idea and culminate it into tangible results.”

“The fellowship program was a great mixture of didactic education and practical experience. It was from this fellowship that I was able to interact with cross-functional colleagues, led critical projects for my manager, and gained necessary exposure to best prepare myself to be a strong contributor as an HEOR Strategy team member.”

2022-2024

Zach Baldwin

2023 – 2025

Filmon Haile

“The breadth and depth of HEOR education that I received in the first year was invaluable, and it really showed in my second year when I was integrated into the team.”

2024 – 2026

Rachel Kneitel

“The well-rounded HEOR training in the first year gave me valuable skills in evidence generation. I am excited to build on this foundation in my second year and continue generating meaningful insights to inform patient care and healthcare decision making.”



2019-2021

Jae Lee



2020-2022

TJ Park

“Completing the UW/AbbVie HEOR fellowship was a very rewarding experience. The academic and industry mentors are all incredibly supportive and the cross-company fellow cohort brings a sense of community.”

2021-2023

Annaliza Dominguez

“The knowledge and skillset gained in my first year paired with the experience of managing a variety of projects in my second year, including RWE and PRO validation studies, have set me up for success and helped build confidence going into my post-fellowship role.”



2022-2024

Jae Kim

“The incredible support from all the mentors made the 1st year fellowship experience truly great. The knowledge and experience I gained in the first year of the fellowship prepared me well to manage projects in my second year at AbbVie.”



2023 – 2025

Richard Ta

“Equipped with a solid HEOR foundation from the first year, I am now eagerly prepared to contribute to the value story of life-changing products through evidence generation.”

“During my interview, I found the team to be very welcoming and genuinely interested in my experiences and interests. I left with the impression that I would be well supported in pursuing my goals and felt even more excited about the prospect of joining the program and learning from such a dedicated team.”

2025 – 2027

Janice Jang



2024 – 2026

Olivia Yip

“The first year of the fellowship was fantastic for teaching the fundamental methods, and I am very excited to implement them going into my second year. The incredible support from my mentors made the transition great and seamless.”



2025 – 2027

Andrew Cotterill

“The standout feeling from my interview was how relaxed and conversational it felt. The panel was very candid and left me with the feeling that they wanted to know me as a unique candidate. It showed me that there would be a supportive team invested in helping me reach my goals.”



First Year Fellows

Andrew Cotterill
PharmD



Andrew received his PharmD from Nova Southeastern University, where his interest in HEOR was sparked through pharmacoepidemiology research focused on identifying healthcare gaps in secondary prophylaxis for myocardial infarction. This experience allowed him to blend his technical skillset with clinical knowledge and real-world data to show new insights into improving patient outcomes.

Andrew is keen to explore the unmet needs within the essential tremor disease space. For his systematic literature review, he examined the indirect costs associated with essential tremor, identifying a lack of cost data on the impact of comorbidities, productivity loss, and caregiver burden. His thesis will expand on these findings by incorporating real-world claims data to quantify the broader economic impact of essential tremor on patients and the healthcare system. Andrew is excited to continue developing his skillsets under the guidance of the CHOICE faculty and AbbVie advisors, with the hopes of advancing research that informs patient-centered, value-based care.

Janice Jang
PharmD

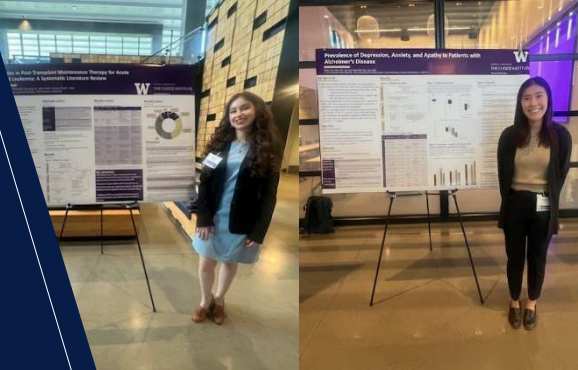


Janice received her Doctor of Pharmacy degree from the University of Arizona R. Ken Coit College of Pharmacy. She developed an interest in HEOR through diverse research experiences, including her summer research internship at the University of Arizona on the cost-efficiency analysis of adalimumab and its biosimilars. Additionally, during her rotation at Seoul National University, she gained exposure to real-world evidence generation through machine learning and literature-based research. She is interested in improving her skill sets in data analysis, economic modeling, and real-world evidence generation, and she is motivated to improve patient access and health outcomes.

Janice is excited to begin her research within inflammatory bowel disease (IBD). For her systematic literature review, she will be examining the criteria used to identify sub-optimally managed patients with IBD in claims or EHR data. She is looking forward to working with and learning from her advisors and the experts at the CHOICE Institute and AbbVie.

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CURRENT FELLOWS



Second Year Fellows

Rachel Kneitel
PharmD



Rachel earned her PharmD from St. John's University. Her pharmaceutical industry internship and rotational experiences in HEOR, Market Access Analytics, and pharmacoeconomic research evaluating antibody-drug conjugates during pharmacy school shaped her interest in HEOR. These experiences have allowed her to design compelling value stories by linking real-world data to draw valuable insights into healthcare practices and capture the patient journey. In her second year, Rachel is working with Yanqing Xu and the hematology team across their therapeutic portfolio, spanning commercial and late-stage assets. Rachel is excited to build upon her first-year fellowship experience and leverage these skills in upcoming projects, further strengthening her foundation in HEOR.

ABSTRACTS FROM FELLOWSHIP

- Kneitel R, Xu Y, Kreif N. Strategies in Post-Transplant Maintenance Therapy for Acute Myeloid Leukemia: A Systematic Review. UW Corporate Advisory Board, September 2024, Seattle, WA.
- Kneitel R, Kreif N. Cost-Effectiveness of Xanomeline and Trospium Chloride for Schizophrenia in the United States. Western PharmacoEconomics Conference, March 2025, Seattle, WA and ISPOR, May 2025, Montreal, CA.

MANUSCRIPT FROM FELLOWSHIP

- Kneitel R, Kreif N. Healthcare Resource Utilization and Costs in Patients with AML Treated with Post-Transplant Maintenance Therapy. (In Progress)

Olivia Yip
PharmD



Olivia received her PharmD from the UC San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences, where she developed a strong interest in HEOR through participation in the AMCP P&T competition and various research experiences. In the first year of her fellowship, Olivia collaborated with Drs. Kyueun Lee and Jae Lee on research examining healthcare resource utilization and expenditures among patients with Alzheimer's Disease and comorbid depression. In the second year of her fellowship, Olivia is supporting the Parkinson's Disease team on a variety of projects to continue broadening her skills in HEOR and support collaborative research.

ABSTRACTS FROM FELLOWSHIP

- Yip O, Lee K. Cost-Utility Analysis of Non-Prescription Oseltamivir for Influenza Treatment: Limited Societal Perspective. Presented at: ISPOR—The Professional Society for Health Economics and Outcomes Research Annual Meeting. May 2025; Montreal, Canada.
- Yip O, Lee K. Cost-Utility Analysis of Non-Prescription Oseltamivir for Influenza Treatment: U.S. Healthcare Sector Perspective. Presented at: Western PharmacoEconomics Conference. March 2025; Seattle, WA.
- Yip O, Lee J, Lee K. Prevalence of Depression, Anxiety, and Apathy in Patients with Alzheimer's Disease. Presented at: Corporate Advisory Board Meeting. September 2024; Seattle, WA.

MANUSCRIPT FROM FELLOWSHIP

- Yip O, English C, Lee K. Healthcare Utilization and Cost Burden Associated with Depression among Patients with Alzheimer's Disease: A Retrospective Cohort Analysis. (In Progress)

PAST FELLOWS

FILMON HAILE
PharmD, MS 2023-2025

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Haile F, English C, Lee K. Psychotropic Prescribing Patterns Among Bipolar-I Patients Prior to Established Bipolar-I Disorder Diagnosis

RICHARD TA
PharmD, MS 2023-2025

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Ta R, Lee K, Li J. Associations between Use of Targeted Therapies, Hospitalizations and Emergency Department Visits Among Patients with Atopic Dermatitis: A Retrospective Cohort Study

ZACH BALDWIN
PharmD, MS 2022-2024

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Baldwin Z, Yan C, Agapova M, Devine B. Impact of Carbidopa-Levodopa Enteral Suspension Initiation on Oral Medication Treatment Patterns in Persons with Parkinson's Disease: A Retrospective Cohort Analysis.

JAE ROK KIM,
PharmD, MS 2022-2024

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Kim J, Park TJ, Devine B, Agapova M, Blumenfeld A, Smith J, Shah D. Healthcare Resource Utilization and Costs Associated with the Misdiagnosis of Migraine.

ANNALIZA DOMINGUEZ
PharmD, MS 2021-2023

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Dominguez A, Liang Y, Abbed T, Mukhatyar V, Shimoga S. Real-world Use of AlloDerm Accelular Dermal Matrix in Head and Neck Procedures in the United States.

GINA AHMADYAR
PharmD, MS 2021-2023

Manager, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Ahmadyar G, Hansen R. Ocular Injectable Treatment Options for Post-Cataract Macular Edema: A Systematic Review of Current Literature. *J Cataract Refract Surg.* 2022 Feb 10. doi: 10.1097/j.jcrs. 0000000000000908. Epubahead of print. PMID: 35171142.
2. Ahmadyar G, Carlson JJ, Kimura A *et al.* Real-world treatment patterns and economic burden of post-cataract macular edema. *BMC Ophthalmol.* 2023;23(1):380. doi.org/10.1186/s12886-023-03113-x

TAE JIN PARK
PharmD, MS 2020-2022

Associate Director, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Park TJ, Hansen R, Gillard P, Shah D, Ferguson WG, Piccini J, Romano MA, Devine B. Healthcare resource utilization and costs for patients with postoperative atrial fibrillation in the United States. *J Med Econ.* 2023 Jan-Dec;26(1):1417-1423.

JAE HYUN LEE
PharmD, MS 2019-2021

Associate Director, Health Economics and Outcomes Research at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Lee J, Shewale A, Barthold D, Devine B. Geographic Variation in the Use of Triptans and Opioids for the Acute Treatment of Migraine Attacks. *Headache: The Journal of Head and Face Pain.* 2021 Nov;61(10):1499-1510.

JAMIE TA
PharmD, MS 2018-2020

Associate Director, US Market Access Pipeline at AbbVie

KEY RESEARCH FROM FELLOWSHIP



1. Ta JT, Sullivan SD, Tung A, Oliveri D, Gillard P, Devine B. Health care resource utilization and costs associated with nonadherence and nonpersistence to antidepressants in major depressive disorder. *J Manag Care Spec Pharm.* 2021 Feb;27(2):223-39.

APPLICATION ELIGIBILITY

- Applicants for this fellowship must have a degree in pharmacy by Spring 2026 and have some research experience (preference will be given to those with a high academic standing).
- Excellent written and verbal communication skills are also essential.
- Applicants will be required to submit their:

- | | | | | | |
|----------|------------------|----------|--------------------------------------|----------|----------------------------------|
| 1 | Curriculum vitae | 2 | Letter describing their career goals | 3 | Three letters of recommendations |
|----------|------------------|----------|--------------------------------------|----------|----------------------------------|

- Selection of fellows will be made by a steering committee composed of the University of Washington faculty members and representatives from AbbVie.



APPLICATION DEADLINE

October 20, 2025

APPLICATION INFORMATION

Interested students must apply through the University of Washington Graduate School Site. The online application process can be found at:
<https://sop.washington.edu/choice/graduate-education-training-programs/ms-heor-fellowships/>

Fellowship Information Session

September 22nd 2025
 5:00 PM — 6:00 PM PST
 Registration required: <https://bit.ly/UW-HEOR-2025>

ABBVIE FELLOWSHIP PROGRAMS

University Location	Seattle, WA
AbbVie Location	Mettawa, IL; Irvine, CA; or Florham Park, NJ
Program Length	2 years
Programs Offered	Health Economics and Outcomes Research
Eligibility	Degree in Pharmacy

CONTACT INFORMATION

If you have any questions, please contact:

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