

W THE CHOICE INSTITUTE

School of Pharmacy

THE CHOICE INSTITUTE | SCHOOL OF PHARMACY



Director's Welcome

Dear Colleagues,

Hope you all had a good start to 2023! I am pleased to present an update on the fantastic works of our faculty and students and the recognition they are getting for these works. Our new year began with a bang! Former Dean and CHOICE Professor Sean Sullivan was elected as a fellow of the American Association for the Advancement of Science! We also formally welcomed our newest Assistant professor in CHOICE, Dr. Kyu Eun Lee. And it is always a pleasure to see our alums doing so well.

We look forward to connecting with many of you at the upcoming ISPOR Annual Conference in Boston. Our social event will be on Monday, May 8, at the Lord Hobo Seaport (love the name)! Please RSVP [here](#).

Sincerely,
Anirban

Anirban Basu, PhD
Professor & Stergachis Family Endowed Director
The CHOICE Institute

GIVE TO THE CHOICE INSTITUTE



WINTER QUARTER HIGHLIGHTS

CHOICE Activities & Accomplishments



[Sullivan Named 2022 AAAS Fellow](#)

Professor Sean D. Sullivan is among four University of Washington researchers who have been named AAAS Fellows, according to a Jan. 31 announcement by the American Association for the Advancement of Science.



[RSVP to the CHOICE Alumni & Friends ISPOR Reception](#)

Join us Monday, May 8, 2023, for drinks and appetizers at Lord Hobo Seaport- a short walk from the Boston Convention and Exhibition Center. We look forward to seeing you in Boston!



[Welcome our new Assistant Professor, Dr. Kyueun Lee](#)

We are thrilled to welcome our newest Assistant Professor to the CHOICE faculty. Dr. Kyu Eun Lee, PhD joined as an Endowed Assistant Professor of Health Decision Sciences in January.



Winter Quarter at The CHOICE Institute

Associate Professor **Jennifer Bacci** and Affiliate Assistant Professor **Parth Shah** received a University of Washington School of Pharmacy Faculty Innovation Fund grant for their study, "Does community pharmacy-based pediatric vaccinations result in missed well-child visits?"

We are happy to announce that 2 publications made it among JMCPs most cited for 2022. One article, "Use of real-world evidence in economic assessments of pharmaceuticals in the United States" (first author **Woojung Lee**), was part of the CHOICE health tech fund initiative sponsored by our Corporate Advisory Board. The second, "Cost-effectiveness of oral semaglutide added to current antihyperglycemic treatment for type 2 diabetes" (first author **Greg Guzauskas**), was the result of work on our contract with the Institute for Clinical and Economic Review (ICER). [Read more.](#)

Congratulations to our newest CHOICE alum, **Samantha Clark, PhD**. Samantha defended her doctoral dissertation in December, titled "Investigating the effect of Gleevec list price on adherence and outcomes in Medicare patients with chronic myeloid leukemia". Samantha has joined the consulting company, Medicus Economics, as a Senior Associate.

PhD student **Rachel Wittenauer** had the opportunity to testify in Olympia, WA at the Washington State Legislature in both the House (Dec. '22) and Senate (Feb. '23) Health Care committees regarding her research on pharmacy access in Washington as it relates to several ongoing legislative efforts, in collaboration with members of the Washington State Pharmacy Association and CHOICE faculty **Dr. Jennifer Bacci**. "As a researcher it was incredibly rewarding to share results in a forum with power to enact real policy change, and was a fantastic learning experience. If we can prevent closures of pharmacies we can slow or even reverse the disparity in access to these vital services," Wittenauer said. [Read more.](#)

A paper co-authored by CHOICE Research Scientist **Greg Guzauskas**, PhD student **Joyce Jiang**, and Professor **Dave Veenstra**, funded by an NIH grant in collaboration with Vanderbilt and Geisinger received the following award: Top 10 key advances of 2022 in applying genomic information to clinical care, selected by the Genomic Medicine Working Group of the National Advisory Council for Human Genome Research (NHGRI). This paper examined the value of population Lynch Syndrome screening to prevent colorectal cancer compared to the standard of care (i.e., family history-based screening). Using decision analytic modeling, we found that population LS screening may be cost-effective in younger patient populations under a \$150,000 willingness-to-pay per QALY threshold and with a relatively inexpensive test cost. Further reductions in testing costs and/or the inclusion of LS testing within a broader multiplex screening panel are needed for screening to become highly cost-effective. [Read the article.](#)

PhD student **Felipe Montano-Campos** published a paper in MDM Policy & Practice. He and his colleagues studied how conventional MARs could lead decision makers to accept a treatment based on individual risks that would not be acceptable if multiple risks are considered simultaneously. [Read the article.](#)

As UW site-PI of the AHRQ-funded Pacific Northwest Evidence-based Practice Center, Professor **Beth Devine** recently served as a member of the methods group that updated the 2010 AHRQ Methods Guide for Comparative Effectiveness Reviews that provides guidance for the inclusion of nonrandomized studies of intervention effectiveness in systematic reviews. Together, **Dr. Devine** and **Dr. Noah Hammarland** championed inclusion of the section on causal inference methods. A summary of the AHRQ Report was published in the Journal of Clinical Epidemiology, accompanied by an Editor's Choice designation with companion commentaries by the Cochrane Collaboration, the Campbell Collaboration, and the GRADE Working Group. [Read more.](#)

Affiliate Assistant Professor **Kai Yeung ('15)** was selected to serve on the Washington State Healthcare Authority's Finance Technical Advisory Committee to advise on the State's development of a Universal Healthcare coverage program. Dr. Yeung also joined Amazon in September as a Senior Healthcare Research Scientist.

ISPOR Student Chapter Update

The UW ISPOR student chapter has been continuing the Alumni Career Seminar Series this quarter. In December, CHOICE alumni and affiliate faculty **Dr. Josh Roth ('12)** and **Dr. Kai Yeung ('15)** joined us to share about their experiences working for research organizations and through their career transitions. In January we welcomed CHOICE alumni and affiliate faculty **Dr. Nina Hill ('04)** and **Dr. Maria Agapova ('15)** to discuss their careers in industry. The chapter was excited to put on a virtual collaborative event with the ISPOR chapter at the University of British Columbia titled, "Working in Canada vs. USA, What's the Difference?", with Dr. Nicole Tsao and former CHOICE postdoctoral scholar **Dr. Kate Johnson**. The event was a fun way to interact with students from another school and learn about similarities and differences working in the field of HEOR in the two countries. Our chapter is looking forward to an upcoming collaborative event with the University of Maryland in a few weeks and continuing our Alumni Career Seminar Series in the Spring!

Alumni Updates

Dr. Laura Hart ('17, '14) was awarded the Next Gen-Rx Award from the American Society of Consultant Pharmacists (ASCP) and also inducted as a Fellow of ASCP in November 2022. Congratulations, Laura!

Dr. Mark Bounthavong ('18) was part of a study team that was awarded the Tufts-CEVR's 4th Annual Cost-Effectiveness Analysis Paper of the Year Award. [Read the paper.](#)

UW PharmD and MS fellow alum **David Fox ('19, '20)** had work completed during year two of his fellowship with UW CHOICE and Genentech published in Advances in Therapy. The work was further covered by the news site SMA Today. [Read more.](#)

Upcoming School of Pharmacy Events

- March 10 - 6th Annual Plein Center Research Symposium - [Register today!](#)
- April 6 - Husky Giving Day
- April 20 - Katterman Memorial Lecture



KUDOS & PUBLICATIONS

CHOICE Kudos

- *Kudos to Emily and Ashley for a great first quarter as student reps, we're lucky to have you!* - Rachel
- *Kudos to Ryan for continuing to attentively and enthusiastically support students with superhuman speed despite your mountain of other responsibilities!* - Rachel
- *Kudos for Julia for being so nice and making CHOICE a better place.* -Felipe
- *Kudos to Felipe, Sara, and Yilin for serving as student members on CHOICE committees (curriculum, faculty search, and admissions). Your perspectives as students are instrumental to what we do!* -Marina

Publications

Bacci JL, Coley K, Daly C, Doucette WR, Hake K, Herbert SC, Hughes TD, McDonough RP, McGivney MS, Roller JS, Smith M, Ferreri S. [Flip the Pharmacy: A qualitative analysis of community pharmacy practice transformation.](#) J Am Coll Clin Pharm. 2022; 5(12):1236-1252.

Basu A, Patel C, Fu AZ, Brown B, Mavros P, Benson C. [Real-world calibration and transportability of the Disease Recovery Evaluation and Modification \(DREaM\) randomized clinical trial in adult Medicaid beneficiaries with recent-onset schizophrenia.](#) J Manag Care Spec Pharm. 2023 Jan 24:1-10. doi: 10.18553/jmcp.2023.22191. Epub ahead of print. PMID: 36692909.

Boustani M, Doty EG, **Garrison LP Jr**, et al. [Assessing the Cost-effectiveness of a Hypothetical Disease-Modifying Therapy With Limited Duration for the Treatment of Early Symptomatic Alzheimer Disease.](#) Clin Ther. 2022 Oct 6:S0149-2918(22)00322-8. doi:10.1016/j.clinthera.2022.09.008. Epub ahead of print.

- Chen Y**, Loucks AR, **Sullivan SD**, Pearson SD, Kent D, **Yeung K**. [Designing A Value-based Formulary for a Commercial Health Plan: A Simulated Case Study of Diabetes Medications](#). Value Health. 2023 Feb 14;S1098-3015(23)00053-0. doi: 10.1016/j.jval.2023.02.004. Epub ahead of print. PMID: 36796479.
- Fox D**, To TM, Seetasith A, Patel AM, Iannaccone ST. [Adherence and Persistence to Nusinersen for Spinal Muscular Atrophy: A US Claims-Based Analysis](#). Adv Ther. 2022 Dec 19. doi: 10.1007/s12325-022-02376-y. Epub ahead of print. PMID: 36534265.
- Garrison LP Jr**. [Paying for Kidneys: Reflections on Welfare Economics, Political Economy, and Market Design](#). Value Health. 2022 Dec;25(12):1925-1928. doi: 10.1016/j.jval.2022.09.005. Epub 2022 Oct 21.
- Garrison LP**, Hartgers-Gubbels ES, Chambers M. Value Insider Season 1 [Episode 5: What Other Aspects of Value May Be Relevant? \(Societal Impact\) \[Podcast\]](#). Intj Gen Med. 2022 Nov 23;15:8218224. doi: 10.2147/IJGM.S392906. PMID: 36451799; PMCID: PMC9701631.
- Garrison LP Jr, Jiao B**, Dabbous O. [Value-Based Pricing for Patent-Protected Medicines Over the Product Life Cycle: Pricing Anomalies in the "Age of Cures" and Their Implications for Dynamic Efficiency](#). Value Health. 2022 Nov 3;S1098-3015(22)02189-1. doi: 10.1016/j.jval.2022.09.010. Epub ahead of print. PMID: 36336584.
- Gray SL**, Fornaro R, Turner J, **Boudreau DM**, Wellman R, Tannenbaum C, **Marcum ZA**, Balderson B, Cook A, Jacobsen AL, Phelan EA. [Provider knowledge, beliefs, and self-efficacy to deprescribe opioids and sedative-hypnotics](#). J Am Geriatr Soc. 2022 Dec 22. doi: 10.1111/jgs.18202. Epub ahead of print. PMID: 36546768.
- Gustavson AM, Hagedorn HJ, Jesser LE, Kenny ME, Clothier BA, **Bounthavong M**, Ackland PE, Gordon AJ, Harris AJS. [Healthcare quality measures in implementation research: advantages, risks and lessons learned](#). Health Res Policy Syst. 2022;20(1):131. Published 2022 Dec 7. doi:10.1186/s12961-022-00934-y
- Guzauskas GF, Jiang S**, Garbett S, Zhou Z, Spencer SJ, Snyder SR, Graves JA, Williams MS, Hao J, Peterson JF, **Veenstra DL**. [Cost-effectiveness of population-wide genomic screening for Lynch syndrome in the United States](#). Genet Med. 2022 May;24(5):1017-1026. PMID: 35227606.
- Jiao B**, Fredricks DN, Srinivasan S, **Hansen R**. [Economic Evaluation of a Point-of-Care Test for Bacterial Vaginosis among Women with Vaginal Symptoms](#). Sex Transm Dis. 2023 Jan 12. doi: 10.1097/OLQ.0000000000001766. Epub ahead of print. PMID: 36728351.
- Johnson KM, Jiao B, Ramsey SD**, Bender MA, **Devine B, Basu A**. [Lifetime medical costs attributable to sickle cell disease among nonelderly individuals with commercial insurance](#). Blood Adv. 2023 Feb 14;7(3):365-374. doi: 10.1182/bloodadvances.2021006281. PMID: 35575558; PMCID: PMC9898623.
- Lee W, Basu A, Carlson JJ, Veenstra D**. [Can we predict trial failure among older adult-specific clinical trials using trial-level factors?](#) J Geriatr Oncol. 2022 Nov 25;S1879-4068(22)00526-4. doi: 10.1016/j.jgo.2022.11.003. Epub ahead of print. PMID: 36437194.

Li Y, You S, **Lee K**, Yaesoubi R, Hsu K, Gift TL, Chesson HW, Berruti AA, Salomon JA, Rönn MM. [The estimated lifetime quality-adjusted life-years lost due to chlamydia, gonorrhea, and trichomoniasis in the United States in 2018.](#) J Infect Dis. 2023 Feb 18;jiad047. doi: 10.1093/infdis/jiad047. Epub ahead of print. PMID: 36806950.

McQueen RB, Anderson KE, Levy JF, **Carlson JJ**. [Incorporating Dynamic Pricing in Cost-Effectiveness Analysis: Are Known Unknowns Valuable?](#) Pharmacoeconomics. 2023 Mar;41(3):321-327. doi: 10.1007/s40273-022-01230-x. Epub 2023 Jan 19. PMID: 36656509.

Montano-Campos JF, Gonzalez JM, Rickert T, Fairchild AO, Levitan B, Reed SD. [Use of Patient Preferences Data Regarding Multiple Risks to Inform Regulatory Decisions.](#) MDM Policy Pract. 2023 Jan 11;8(1):23814683221148715. doi: 10.1177/23814683221148715. PMID: 36654678; PMCID: PMC9841858.

Shapiro RE, Martin AA, **Bhardwaj S**, Thomson H, Maculaitis MC, Anderson C, Kymes SM. [Relationships between headache frequency, disability, and disability-related unemployment among adults with migraine.](#) J Manag Care Spec Pharm. 2023 Feb;29(2):197-209. doi: 10.18553/jmcp.2023.29.2.197. PMID: 36705286.

Sullivan SD. [Medicare Drug Price Negotiation in the United States: Implications and Unanswered Questions.](#) Value Health. 2022 Dec 9:S1098-3015(22)04747-7. doi: 10.1016/j.jval.2022.11.015. Epub ahead of print. PMID: 36503034.

Winn A, **Basu A**, **Ramsey SD**. [A Framework for a Health Economic Evaluation Model for Patients with Sickle Cell Disease to Estimate the Value of New Treatments in the United States of America.](#) Pharmacoecon Open. 2023 Feb 11. doi: 10.1007/s41669-023-00390-6. Epub ahead of print. PMID: 36773220.

Wright B, Parrish C, **Basu A**, Joynt Maddox KE, Liao JM, Sabbatini AK. [Medicare's Hospital Readmissions Reduction Program and the Rise in Observation Stays.](#) Health Serv Res. 2023 Feb 8. doi: 10.1111/1475-6773.14142. Epub ahead of print. PMID: 36755372.

You S, Yaesoubi R, **Lee K**, Li Y, Eppink S, Hsu K, et al. [Lifetime quality-adjusted life years lost due to genital herpes acquired in the United States in 2018: a mathematical modeling study.](#) The Lancet Regional Health - Americas, Volume 19, 2023, 100427, ISSN 2667-193X.

Zhang Y, Shao H, Zhang M, **Li J**. [Healthcare Utilization and Mortality after Hospice Live Discharge among Medicare Patients with and without Alzheimer Disease and Related Dementias and Across Racial/Ethnic Groups.](#) Journal of General Internal Medicine. 2023. In press.