



## Director's Welcome

Dear Colleagues,

The new academic year has started with much optimism, with students, staff, and faculty returning to in-person interactions in a highly vaccinated campus and with masks. It is nice to be able to interact with three-dimensional living figures in our professional lives! I want to thank our CHOICE Manager, Ms. Marina Gano, for her excellent work in keeping our operations moving along efficiently. I have received so many kudos about her from our students. I know she has also been a tremendous asset to the students during this pandemic. Similarly, two of our other staff members, Mr. Connor Henry (CHOICE Research Coordinator) and Mr. Paul Kraegel (CHOICE

Program Operations Specialist), have been dedicated to keeping our research and training portfolio going. We are very grateful to have them in CHOICE.

I want to welcome Ms. Ashley Davis, our new program coordinator, who is supporting both the Plein Center and CHOICE. Ashley joins us from Harvard Law School where she worked as a Faculty Assistant and she and her husband and toddler are new to Seattle. We welcome her to CHOICE, and more broadly, to the Department of Pharmacy.

I am glad to share all the exciting work that's going on and the recognition that our faculty and students are receiving from international organizations. Kudos to our graduating students and on their new jobs. We are excited for them and look forward to following their careers. Lastly, I want to extend a special thanks to our graduate student leaders who contribute so much to the intellectually stimulating and fun environment of CHOICE. Whether it is through volunteering as a student representative, ISPOR officer, or organizing social gatherings, I thank you for your time and commitment to CHOICE.

We wish all a safe and happy holiday season ahead.

Sincerely,  
Anirban

**Anirban Basu, Ph.D. (he/him)**

Stergachis Family Endowed Director and Professor  
The Comparative Health Outcomes, Policy, and Economics (CHOICE) Institute  
University of Washington, Seattle

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## Fall Quarter Highlights

Student, Faculty, and Alumni Accomplishments



**CHOICE PhD Student Wins SMDM Presentation Award**  
Enrique Saldarriaga



**Three CHOICE faculty receive international ISPOR awards**  
ISPOR's professional



**CHOICE Joins the Math Alliance**  
The Math Alliance expands

received the Stephen Pauker Award for Outstanding Presentation in Quantitative Methods and Theoretical Developments, for his dissertation research, Using passive surveillance data to estimate HIV prevalence at the zip code level. A case study in Atlanta, Georgia. Congratulations, Enrique!

society for health economics and outcomes research (HEOR) recently announced its annual round of award winners, and three faculty members from The CHOICE Institute – Anirban Basu, Beth Devine and Aastha Bansal – have been named recipients for 2021.

diversity in STEM through mentorship. CHOICE is proud to join the 12 UW departments engaged with this organization committed to increasing representation of people of color and women in STEM. We participated in our first Math Alliance event this month: the 2021 Field of Dreams Conference.



## Activities and Accomplishments

### Faculty News:

**Dr. Jenny Bacci** received funding from the UW Center for Health Workforce Studies to investigate the impact of the COVID-19 pandemic on community pharmacist patient care and future workforce needs. [Read more about the study.](#)

**Dr. David Veenstra** is working with **Dr. Beth Devine** in CHOICE and Dr. Sarah Knerr in the Department of Health Systems and Population Health to design the outcomes assessment for a study (eMERGE 4) in 25,000 patients of the role of Polygenic Risk Scores to inform disease prevention strategies. **Dr. Veenstra, Dr. Greg Guzauaskas, Scott Spencer, and Joyce Jiang** also recently completed an evaluation of the cost effectiveness of population-level screening for the three CDC Tier 1 genomic applications, in collaboration with Geisinger Healthcare System and Vanderbilt University. Dr. Veenstra also helped establish a new elective course, 'Opportunities in Industry for Pharmacists,' in collaboration with Josh Gener, PharmD.

**Dr. Douglas Barthold** presented his research on the possible connection between healthcare value and cognitive impairment at the Program on Regulation, Therapeutics, and Law (PORTAL) Seminar at Harvard Medical School. He also recently published two first author publications: "[Alzheimer's disease related neuropathology among patients with](#)

medication treated type 2 diabetes in a community-based autopsy cohort" in the Journal of Alzheimer's Disease, and "Minimum threshold of bariatric surgical weight loss for diabetes remission" in Diabetes Care.

**Dr. Andy Stergachis** served on the National Academy of Medicine committee that issued its Consensus Study Report on October 20, 2021, Combating Antimicrobial Resistance and Protecting the Miracle of Modern Medicine. [Download a free PDF of the report.](#)

**Dr. Stergachis** was also appointed as a Washington State Pharmacy Association Fellow in recognition of his dedication in promoting public health roles of pharmacists, including in public health preparedness & response.

#### **Student News:**

2nd year PhD student, **Zizi Elsis**, is excited to extend her internship at Genentech till the end of the year and apply what she is learning at CHOICE in the pharma industry. She is also happy to be working with Dr. Ruth Etzioni from Fred Hutch on a project that involves a new imaging technique for screening prostate cancer, and she is looking forward for her RAship with Dr. Anirban Basu on the state's effort to eliminate Hepatitis C.

1st year PhD student, **Felipe Montano-Campos**, co-authored the paper "Factors Influential in the Selection of Radiology Residents in the Post-Step1 World: A Discrete Choice Experiment" published by the Journal of the American College of Radiology. This paper received special mention by the Editor in Chief of the Journal and was mentioned in the media/blogs/news. Reporting of United States Medical Licensing Examination Step 1 results will transition from a numerical score to a pass/fail result. The study analyzes how the preference weights are redistributed among the different attributes of the applicants when the Step-1 score is binary. They found that this change has unintended consequences: Benefits continue to accrue to medical school privilege and step 2 scores gain more importance. [Read more in the full article.](#)

5th year PhD student, **Enrique Saldarriaga**, recently published a paper on spatial analysis titled "[HIV-Prevalence Mapping Using Small Area Estimation in Kenya, Tanzania, and Mozambique at the First Sub-National Level](#)". He also won the Lusted Award for Outstanding Presentation in

Quantitative Methods and Theoretical Developments at SMDM 2021, for his study "Using passive surveillance data to estimate HIV prevalence at the zip code level. A case study in Atlanta, Georgia."

2nd Year PhD Student, **Rachel Wittenauer**, presented her work "Pharmacy deserts and COVID-19 risk at the census tract level in Washington state" at the Annual American Public Health Association Conference this fall. She is also looking forward to continuing her role as co-student representative this year, a role through which she led the creation of the new SharePoint-based CHOICE Student Resource Hub.

**2021-2022 ISPOR-UW Student Officers:**

President: Sara Khor

Vice-Presidents: Woojung Lee and Yilin Chen

Treasurer: Ronald Dickerson

Secretary: Ben Nwogu

Communications Director & CHOICE Student Blog Lead: Tori Dayer

**Alumni News:**

**Dr. Tricia Rodriguez ('21)** has joined Verily Life Sciences as a full-time Health Economist. Congratulations, Tricia!

**Dr. Lauren Strand ('21)** recently began a new position as an Associate Director in HEOR at Alkermes supporting their product for opioid and alcohol dependence. After 7 years in Seattle, she is looking forward to relocating back to New England with her partner and dog.

**Dr. Naomi Schwartz ('21)** successfully defended her dissertation in August and has started a new role as Manager of Health Economics and Outcomes Research at Adaptive Biotechnologies Corp. Naomi's dissertation conducted an epidemiologic and economic analysis of dietary therapies for pediatric inflammatory bowel disease. Congratulations, Naomi, on graduating and beginning this new role!

**CHOICE Kudos:**

This is a new way to acknowledge the multitude of ways we support each other in CHOICE and the time and effort put in to make the CHOICE environment stronger, more diverse, and more fun!

### Kudos to...

- Samantha Clark for always going above and beyond for students, making new students feel so welcomed, and for planning weekly happy hours!
- Sara Khor for kick-starting an awesome year as ISPOR president at the all-student meeting!
- Marina Gano for the Kudos idea and for getting us a new coffee machine!
- Rachel Wittenauer for putting a ton of time and effort into developing the amazing "Student Resources" section of the CHOICE SharePoint.
- Felipe Montano-Campos for taking the time to be a student rep!
- Justin Nedzesky and Tommy Majda for perfect attendance at SBDM happy hours!
- All first-year Fellows and PhD students for surviving their first month at CHOICE.

To submit a Kudos, email [mcgano@uw.edu](mailto:mcgano@uw.edu) or you may submit them along with your newsletter items.

### NOMINATIONS FOR THE 2021 DISTINGUISHED ALUMNI AWARDS ARE OPEN!

Recognize UWSOP alumni who demonstrate excellence in their profession, are connected to the School, and have a positive impact on pharmacy practice and the research community.

NOMINATE AN ALUM



### Publications

- Asukai Y, Briggs A, **Garrison LP**, et al. Principles of Economic Evaluation in a Pandemic Setting: An Expert Panel Discussion on Value Assessment During the Coronavirus Disease 2019 Pandemic. *Pharmacoeconomics*. 2021 Nov;39(11):1201-1208.
- **Barthold D**, **Brouwer E**, Barton LJ, Arterburn DE, **Basu A**, Courcoulas A, Crawford CL, Fedorka PN, Fischer H, Kim BB, Mun EC, Murali SB, Reynolds K, Yoon TK, Zane RE, Coleman KJ. Minimum Threshold of Bariatric Surgical Weight Loss for Initial Diabetes



- Remission. *Diabetes Care*. 2021 Sep 13;dc210714. doi: 10.2337/dc21-0714. Epub ahead of print. PMID: 34518376.
- **Barthold D**, Gibbons LE, **Marcum ZA**, **Gray SL**, Dirk Keene C, Grabowski TJ, Postupna N, Larson EB, Crane PK. Alzheimer's Disease-Related Neuropathology Among Patients with Medication Treated Type 2 Diabetes in a Community-Based Autopsy Cohort. *J Alzheimers Dis*. 2021;83(3):1303-1312. doi: 10.3233/JAD-210059. PMID: 34420950.
  - Bidulka P, O'Neill S, **Basu A**, Wilkinson S, Silverwood RJ, Charlton P, Briggs A, Adler AI, Khunti K, Tomlinson LA, Smeeth L, Douglas IJ, Grieve R. Protocol for an observational cohort study investigating personalised medicine for intensification of treatment in people with type 2 diabetes mellitus: the PERMIT study. *BMJ Open*. 2021 Sep 27;11(9):e046912. doi: 10.1136/bmjopen-2020-046912. PMID: 34580091; PMCID: PMC8477338.
  - Ciapponi A, Bardach A, Mazzoni A, Alconada T, Anderson S, Argento FJ, Ballivian J, Bok K, Comandé D, Erbeding E, Goucher E, Kampmann B, Karron R, Munoz FM, Palermo MC, Parker EPK, Rodriguez Cairoli F, Santa MV, **Stergachis A**, Voss G, Xiong X, Zamora N, **Zaraa S**, Berrueta M, Buekens PM. Safety of COVID-19 vaccines, their components or their platforms for pregnant women: A rapid review. *Vaccine* 2021 Sep 24;39:5891-5908.
  - Colson AR, Morton A, ... **Garrison L**, et al. Antimicrobial resistance: is health technology assessment part of the solution or part of the problem? *Value in Health*. Article in Press, Forthcoming 2021. doi: 10.1016/j.jval.2021.06.002
  - Dhippayom T, Boonpattharatthiti K, Thammathuros T, Dilokthornsakul P, Sakunrag I, **Devine B**. Clinical Outcomes of Different Warfarin Self-care Strategies: A Systematic Reviews and Network Meta-Analysis. *Thromb Haemost*. 2021 Oct 25. doi: 10.1055/a-1677-9608. Epub ahead of print. PMID: 34695873.
  - **Hart LA**, Walker R, Phelan EA, **Marcum ZA**, **Schwartz NRM**, Crane PK, Larson EB, **Gray SL**. Change in central nervous system-active medication use following fall-related injury in older adults. *J Am Geriatr Soc*. 2021 Oct 19. doi: 10.1111/jgs.17508.

- Epub ahead of print. PMID: 34668191.
- Hitch J, Firth I, Hampson G, Jofre-Bonet M, Garau M, **Garrison L**, Cookson G, 2021. The Lower Drug Costs Now Act and Pharmaceutical Innovation: Insights from Industry Interviews and Expert Elicitation. OHE Executive Summary, London: Office of Health Economics. Available at: The Lower Drug Costs Now Act and Pharmaceutical Innovation | OHE
  - Khan AS, **Wittenauer R**, Patel R, Baseman J, Miller A, Errett NA. Developing a Concept of Operations Template to Guide Collaborative Disaster Research Response Between Academic Public Health and Public Health Agencies. *Disaster Med Public Health Prep.* 2021 Oct 6:1-7. doi: 10.1017/dmp.2021.280. Epub ahead of print. PMID: 34612184.
  - Kleykamp BA, Dworkin RH, Turk DC, ... **Garrison LP** et al. Benefit-risk assessment and reporting in clinical trials of chronic pain treatments: IMMPACT Recommendations. *Pain.* 2021 Sep 9. doi:10.1097/j.pain.0000000000002475. Epub ahead of print. PMID: 34510135.
  - Makhnoon S, Bowen DJ, Shirts BH, Fullerton SM, Larson EB, Ralston JD, Leppig KA, Crosslin DR, **Veenstra D**, Jarvik GP. The FamilyTalk randomized controlled trial: patient-reported outcomes in clinical genetic sequencing for colorectal cancer. *Cancer Causes Control.* 2021 May;32(5):483-492. doi: 10.1007/s10552-021-01398-1. Epub 2021 Feb 16. PMID: 33591484.
  - **Marcum ZA**, **Jiang S**, **Bacci JL**, Ruppar TM. Pharmacist-led interventions to improve medication adherence in older adults: A meta-analysis. *J Am Geriatr Soc.* 2021 Jul 20. doi: 10.1111/jgs.17373. Epub ahead of print. PMID: 34287846.
  - Maxfield CM, **Montano-Campos JF**, Chapman T, Desser TS, Ho CP, Hull NC, Kelly HR, Kennedy TA, Koontz NA, Knippa EE, McLoud TC, Milburn J, Mills MK, Morgan DE, Morgan R, Peterson RB, Salastekar N, Thorpe MP, Zarzour JG, Reed SD, Grimm LJ. Factors Influential in the Selection of Radiology Residents in the Post-Step 1 World: A Discrete Choice Experiment. *J Am Coll Radiol.* 2021 Nov;18(11):1572-1580. doi:



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  - **Saldarriaga EM**. HIV-Prevalence Mapping Using Small Area Estimation in Kenya, Tanzania, and Mozambique at the First Sub-National Level. *Ann Glob Health*. 2021 Sep 27;87(1):93. doi: 10.5334/aogh.3345. PMID: 34692427; PMCID: PMC8485867.
  - **Spencer SJ, Guzauskas GF**, Felizzi F, Launonen A, Dawson K, **Veenstra DL**, Masaquel A. Cost-effectiveness of obinutuzumab versus rituximab biosimilars for previously untreated follicular lymphoma. *J Manag Care Spec Pharm*. 2021 May;27(5):615-624. doi: 10.18553/jmcp.2021.20424. Epub 2021 Feb 15. PMID: 33586513.
  - Wong WB, To TM, **Li M, Lee W, Veenstra DL, Garrison LP Jr**. Real-world evidence for option value in metastatic melanoma. *J Manag Care Spec Pharm*. 2021 Nov;27(11):1546-1555. doi: 10.18553/jmcp.2021.21192. Epub 2021 Aug 25. PMID: 34431715.

CHOICE BLOG: INCREMENTAL THOUGHTS



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