

THE CHOICE INSTITUTE | SCHOOL OF PHARMACY



## Director's Welcome

Dear Friends and colleagues,

I write during an unprecedented time of pandemic-driven lockdown, physical distancing, anxiety, and economic uncertainty. I am proud to see many of our faculty, students, and alumni have taken these challenges head-on. They are contributing to both covid-related and non-related work for the betterment of our community. We have also taken our Zoom-game to a new level! Below, you will find a wide range of accomplishments.

This month, the CHOICE Institute unveiled a Covid-19 platform that tracts estimates for the potential number of symptomatic and total Covid-19 infections at the county level.

[www.uwchoice.org/research/research-projects/covid19/](http://www.uwchoice.org/research/research-projects/covid19/)

We e-welcomed our new Research Project Manager, Connor Henry, to CHOICE. We are also excited to e-celebrate with our about to graduate PhD students, **Elizabeth Brouwer**, **Nathaniel Hendrix**, **Wei-Jhih Wang**, and MS students, **Ashley Cha**, **Brennan Beal**, **David Fox**, **Jae Hyun Lee**, **Samuel Hong**, **Phoebe Wright**, at the end of this quarter.

Congratulations to all of them!

In the last few weeks, we also faced events that exposed, yet again, systemic racism against our black colleagues and friends in the US. We have already instituted specific guidelines to promote

diversity, inclusiveness, and equity within CHOICE. More than ever, we will strive to promote the voices of the black community to achieve the goal of equity in our society truly.

The coming several months will, for sure, test our patience and resolve. But I hope, and also believe, that we will come together as a community, work towards protecting not only ourselves but also others from this pandemic and the claws of racism, and come out stronger at the end.

Wish you all well.

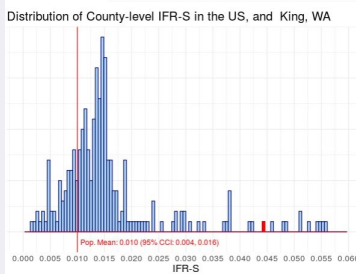
Anirban

[SUPPORT UW PHARMACY STUDENTS](#)



## Spring Quarter at CHOICE

Research and Activities



### **CHOICE Researchers estimate the COVID Infection Fatality Rate**

Anirban Basu has developed one of the first models to estimate the COVID-19 Infection Fatality Rate among symptomatic cases.



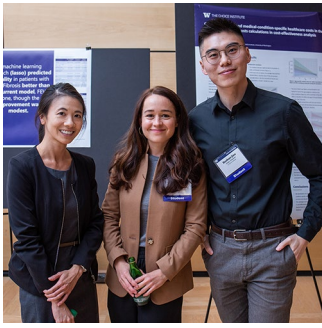
### **Campbell appointed ICER Senior VP for Health Economics**

In September, CHOICE alum Jonathan D. Campbell, PhD, will become Senior Vice President for Health Economics at ICER



### **Adamson serves on White House Coronavirus Task Force**

Affiliate professor Dr. Blythe Adamson recently completed 40 days of volunteer service with the White House Coronavirus Task Force



## ACCOMPLISHMENTS

**Woojung Lee**, 2nd year PhD student, has been selected to receive the Graduate School's **UWRA Patricia Dougherty Fellowship in Aging**. This is a scholarship given to UW graduate students of outstanding academic merit who have a demonstrated academic and personal interest in aging-related issues or concerns. Woojung pointed out the issues around the lack of geriatric-specific clinical/economic evidence in the oncology space and proposed potential studies on the value of geriatric-specific evidence, heterogeneity of treatment effects and economic value of a drug in older adults, and ways to incorporate this patient population in the evidence generation process. [Hear from Woojung and the other fellowship recipients.](#)

**Erik Landaas**, 4th year PhD candidate, published his dissertation's aim one paper in the International Journal of Technology Assessment in Health Care, entitled "Integrating Formal Technology Assessment into an Integrated Healthcare Delivery System: Smart Innovation." The paper describes the program's design, development, and implementation as well as the results at UW Medicine. [Read the publication.](#)

**Erik** will also be presenting a short course at ISPOR Europe, entitled, "Early-Stage Health Technology Assessment." alongside CHOICE affiliate faculty, Drs. Will Canestaro and Lotte Steuten. [About the course.](#)

**Yilin Chen**, first year PhD student, was awarded the Thomas Francis Jr. Global Health Fellowship for her work in China with Lou Garrison and colleagues. Yilin has been examining the administrative databases at [Leishenshan Hospital](#) for treating COVID-19 patients since March. They hope to see what's happening during the two months of hospital opening, such as length of stay, resource use, case fatality, etc. They are also examining ventilator use and hope to summarize empirical evidence for outbreak preparedness. We look

forward to hearing more on this work from Yilin and Lou Garrison.

**Nathaniel Hendrix**, 5th year PhD student, recently presented an aim of his dissertation research at the virtual ASCO Annual Meeting, titled "Provider preferences for attributes of artificial intelligence in breast cancer screening: A discrete choice experiment". [Read the abstract](#)

**Naomi Schwartz**, 2nd year PhD student, also presented a virtual poster at ASCO on The potential cost-effectiveness of a risk-based pancreatic cancer screening strategy in new-onset diabetes. [Read the abstract.](#)

**Nathaniel** has also accepted an offer for a postdoctoral fellowship at Harvard University's T.H. Chan School of Public Health, where he will be working on cost-effectiveness methods beginning August 2020. Congratulations, Nathaniel!

CHOICE Alumna, **Dr. Meng Li '18** has accepted a tenure-track assistant professor position in health services research at MD Anderson Cancer Center.

Congratulations to two of our second-year industry fellows, **Eddie Neuberger '19 and Jamie Ta '19**, who have started positions at Genentech as Associate Health Economists.

**Jonathan H. Watanabe, PharmD, Ph.D., '08, '12**, was appointed to the planning committee for the National Academies of Sciences, Engineering, and Medicine August workshop, Drug Research & Development for Older Adults. He also served as a Moderator at the National Academies Health and Medicine Division public session of the Committee on the Implications of Discarded Weight-Based Drugs on April 29, 2020 mandated by the US Congress and sponsored by the Centers for Medicare and Medicaid Services.

We are pleased to welcome three new Affiliate Faculty to the CHOICE Institute: **Drs. Amy Tung, Jennifer Whiteley, Zsolt Hepp.** Zsolt was also recently promoted to Director of Global HEOR at Seattle Genetics.

Affiliate faculty and CHOICE alums, **Drs. Carrie Bennette and Marita Zimmermann**, are working on the Institute of Disease Modeling COVID-19 Model, which is being used by the State of Washington for policy planning. [Learn more about the impact of this work.](#)

In January, Professor Emeritus, **Lou Garrison**, was appointed co-chair of Policy Outlook Committee of the [ISPOR Health Science Policy Council](#).

**Dr. Andy Stergachis**, serves on the National Academies of Sciences, Engineering, and Medicine; Health and Medicine Division; Board on Population Health and Public Health Practice. This committee recently released a consensus study report: [Assessment of Long-Term Health Effects of Antimalarial Drugs When Used for Prophylaxis](#).

**Dr. Stergachis** was also quoted in a recent Boston Globe Article discussing sports fans' experiences post-COVID-19 pandemic. [Read the article](#).

## PUBLICATIONS

**Barthold D**, Joyce G, Ferido P, Drabo EF, **Marcum ZA, Gray SL**, Zissimopoulos J. "Pharmaceutical treatment for Alzheimer's disease and related dementias: utilization and disparities," Journal of Alzheimer's Disease, forthcoming.

**Barthold D**, Chiguluri V, Gumpina R, Castro Sweet C, Pieratt J, Cordier T, Matanich R, Rogstad T, Prewitt T, 2020 "Health care utilization and medical cost outcomes from digital diabetes prevention program in a Medicare Advantage population." Population Health Management (2020)

**Basu A**. Estimating The Infection Fatality Rate Among Symptomatic COVID-19 Cases In The United States [published online ahead of print, 2020 May 7]. Health Aff (Millwood). 2020;101377hlthaff202000455. doi:10.1377/hlthaff.2020.00455 . <https://www.healthaffairs.org/doi/full/10.1377/hlthaff.2020.00455>

Coleman KJ, Fischer H, Arterburn DE, **Barthold D**, Barton LJ, **Basu A**, Courcoulas A, Crawford CL, Fedorka P, Kim B, Mun E, Murali S, Reynolds K, **Suh K**, Wei R, Yoon TK, Zane R, 2020. "Effectiveness of gastric bypass versus gastric sleeve for cardiovascular disease (ENGAGE CVD): protocol and baseline result for a comparative effectiveness study." JMIR Research Protocols, 2020;9(4):e14936. <https://pubmed.ncbi.nlm.nih.gov/32249757/>.

Cook K, Forbes SP, Adamski K, Ma JJ, Chawla A, **Garrison LP Jr.**

Assessing the potential cost-effectiveness of a gene therapy for the treatment of hemophilia A. *J Med Econ.* 2020 Feb 13:1-12.  
<https://www.tandfonline.com/doi/full/10.1080/13696998.2020.1721508>

**Dhanda DS, Veenstra DL,** Regier DA, **Basu A, Carlson JJ.** Payer Preferences and Willingness to Pay for Genomic Precision Medicine: A Discrete Choice Experiment. *J Manag Care Spec Pharm.* 2020 Apr;26(4):529-537. PMID: 32223606.  
<https://pubmed.ncbi.nlm.nih.gov/32223606/>

**Garrison LP Jr,** Zamora B, Li M, Towse A. Augmenting Cost-Effectiveness Analysis for Uncertainty: The Implications for Value Assessment-Rationale and Empirical Support. *J Manag Care Spec Pharm.* 2020 Apr;26(4):400-406.  
<https://pubmed.ncbi.nlm.nih.gov/32223599/>

**Khor S,** Lavalley DC, **Cizik AM,** Bellabarba C, Dagal A, Hart RA, Howe CR, Martz D, Shonnard N, **Flum DR.** Hospital and Surgeon Variation in Patient-reported Functional Outcomes after Lumbar Spine Fusion: A Statewide Evaluation. *Spine (Phila Pa 1976).* 2020;45(7):465-472. <https://pubmed.ncbi.nlm.nih.gov/31842110/>

**Landaas EJ,** Baird GS, **Hansen RN, Flum DR, Sullivan, SD.** (2020). Integrating Formal Technology Assessment into an Integrated Healthcare Delivery System: Smart Innovation. *International Journal of Technology Assessment in Health Care,* 36(1), 58-63.  
<https://pubmed.ncbi.nlm.nih.gov/32228745/>

**Marcum ZA,** Chang CY, **Barthold D,** Homes HM, Lo-Ciganic WH. “Association between Pharmaceutical Industry Payments to Physicians and Prescribing of Branded Memantine and Donepezil Combination,” *Neurology: Clinical Practice,* forthcoming

**Marcum ZA,** Hohl SD, **Barthold D,** Zaslavsky O, Larson EB, **Gray SL,** 2020. “Beliefs about benefits and harms of medications and supplements for brain health.” *Preventive Medicine Reports,* 17(2020): 101060. <https://pubmed.ncbi.nlm.nih.gov/32021765/>

**Roth JA, Carlson JJ,** Xia F, Williamson T, **Sullivan SD.** The Potential Long-Term Comparative Effectiveness of Larotrectinib and Entrectinib for Second-Line Treatment of TRK Fusion-Positive Metastatic Lung Cancer [published online ahead of print, 2020 Apr 24]. *J Manag Care Spec Pharm.* 2020;1-6. doi:10.18553/jmcp.2020.20045.  
<https://pubmed.ncbi.nlm.nih.gov/32329651/>

Salas J, Morley JE, Scherrer JF, Floyd JS, Farr SA, Zubatsky M, **Barthold D**, Dublin S, 2020. “Risk of incident dementia following metformin initiation compared with noninitiation or delay of antidiabetic medication therapy,” *Pharmacoepidemiology and Drug Safety*, published online May 3, 2020.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/pds.5014>

Skirko JR, James KT, **Garrison LP**, Weaver EM. Development of a Sleep Apnea-Specific Health State Utility Algorithm. *JAMA Otolaryngol Head Neck Surg*. 2020 Jan 30.

<https://pubmed.ncbi.nlm.nih.gov/31999308/>

**Suh K, Basu A, Carlson JJ**, Branch KR. Exploring Medication Adherence with P2Y12 Inhibitors Using Conditional and Unconditional Quantile Regression Approaches [published online ahead of print, 2020 Mar 30]. *Am J Cardiovasc Drugs*. 2020;10.1007/s40256-020-00405-1. doi:10.1007/s40256-020-00405-1.

<https://pubmed.ncbi.nlm.nih.gov/32232734/>

Synnott PG, **Bloudek LM**, Sharaf R, **Carlson JJ**, Pearson SD. The Effectiveness and Value of Siponimod for Secondary Progressive Multiple Sclerosis. *J Manag Care Spec Pharm*. 2020;26(3):236–239.

doi:10.18553/jmcp.2020.26.3.236.

<https://pubmed.ncbi.nlm.nih.gov/32105176/>

**Veenstra DL**, Mandelblatt J, Neumann P, **Basu A**, Peterson JF, **Ramsey SD**. Health Economics Tools and Precision Medicine: Opportunities and Challenges. *Forum Health Econ Policy*. 2020 Mar 5. PMID: 32134729.

<https://pubmed.ncbi.nlm.nih.gov/32134729/>

**Yeung K, Barthold D**, Dusetzina S, **Basu A**. “Patient and plan spending after passage of state specialty drug access laws,” *New England Journal of Medicine*, forthcoming.

CHOICE NEWS



## CHOICE AT HOME

We asked our students and faculty how they are passing the time during the State of Washington Stay at Home order. Here's what they had to say.

**Lauren Strand, 4th year PhD candidate:** "In between reading many bluewater sailing adventure novels, I have been learning how to use PostgreSQL and some packages connecting R and SQL. I hope this will help me in future projects with big databases. I've also learned I have little to no patience for sewing or knitting and should stick to research."



**Josh Carlson, Associate Professor:** "New things learned: how to make a raised garden bed, gardening, how to not go too crazy putting together a large trampoline, patience, and how to home school a child (sort of)."

**Brennan Beal, MS Fellow:** "I have taken the time in quarantine to invest in more self care - I'm now running frequently and have bought a bike! Being apart from the CHOICE family is sad - I miss all the faces! But it has been a good opportunity to reset and re-prioritize myself."

**Boshen Jiao, 2nd year PhD Student:** "I have been mainly working on my RA work, a landscape analysis of disease and treatment burden of sickle cell disease with Beth, Anirban and Kate as well as other people from the Hutch. At the same time, I am taking a few courses and preparing for the prelim exams. During the past few months, I learned developing R shiny application and used it for my other projects. In my spare time, I sometimes hang out with my friends on Zoom and play a "Draw and Guess" game. One of us describes something that can be a movie, a book, a song, a celebrity or anything else, by drawing it on the Zoom white board. While this person is drawing, the others try to guess it. The winner is the first one who gives the right answer."

**Nathaniel Hendrix, 5th year PhD student:** "Most of my time during the lockdown has been dominated by wrapping up my dissertation with the goal of defending early this summer. However, I've also had some time to work on other projects too, such as a study with some collaborators at Fred Hutch on the cost-effectiveness of using genomic testing to stratify prostate cancer screening frequency by risk. Outside of work, I've started



doing drawing lessons via YouTube. And any free time that remains, my brain automatically fills with worrying about how I'll move to Boston in time for my postdoc this fall."

**Tricia Rodriguez, 3rd year PhD Candidate:** "During the stay at home order, I passed my general exam. I've also been spending my free time making pottery in a makeshift studio in my garage." Congratulations, Tricia, on gaining candidacy!

Also during the Stay at Home order, we had some staff changes to the CHOICE team. **Anthony Morgan (Morgan)** has departed CHOICE and the role of Research Project Manager. Morgan played an integral part of the CHOICE team and, as our first research project manager, shaped it into a robust position. Morgan will be joining an MPH program at Johns Hopkins University and we wish him the very best.

With that in mind, departures do tend to bring new faces. Our new Research Project Manager, **Connor Henry**, joined us on April 13. Connor is a native Seattleite and earned degrees in psychology (BA) and Public Health (MPH) at UW. For the past six years he has worked on a variety of research projects as a Clinical Research Coordinator for the Kidney Research Institute at Harborview Medical Center. In his free time he enjoys playing the guitar, running and spending time with friends and family. He's excited to join the CHOICE team!

[CHOICE BLOG: INCREMENTAL THOUGHTS](#)



[UW HOME](#)

[UWCHOICE.ORG](#)

[CHOICE STUDENT BLOG](#)

**BE BOUNDLESS**  
FOR WASHINGTON / FOR THE WORLD



[CONTACT US](#) | [PRIVACY](#) | [TERMS](#)

© 2020 THE CHOICE INSTITUTE | SCHOOL OF PHARMACY 1959 NE Pacific St. Suite H375, Seattle, WA 98195

