

Hawking Ren

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EDUCATION

University of Minnesota, School of Public Health

Doctor of Philosophy, Health Service Research, Policy & Administration

Minneapolis, MN

Started Aug. 2021

University of Southern California, School of Pharmacy

Master of Science, Healthcare Decision Analysis

Los Angeles, CA

May. 2020

SCHOLARSHIPS AND AWARDS

LeadingAge Annual Meeting & EXPO Student Conference Scholarship

2019&2021

University of Minnesota SPH Dean's Scholarship

2021

LEADERSHIP AND OUTREACH

AcademyHealth's Disparities Interest Group (IG) Advisory Committee Student Member

2021-2022

Current Membership in Professional Organizations/Societies

AcademyHealth

Student Member

2021-Present

CURRENT RESEARCH PROJECTS

Residential Care Transition Module (RCTM)

PI: Joseph E. Gaugler, PhD

African Immigrant Memory Loss Project

PI: Joseph E. Gaugler, PhD, Manka Nkimbeng, PhD, MPH, RN

Financial Hardship and Cognitive Impairment

PI: Reginald Tucker-Seeley, ScD

- Investigated racial/ethnic differences in the prevalence of financial hardship in the 2008 wave of the Health and Retirement Study (HRS) by conducted secondary data analysis; to determine the association between the domains of financial hardship and cognitive impairment
- Categorized HRS survey questions into Dr. Tucker Seeley's financial hardship module and extracted datasets from RAND HRS Fat Files
- Explicated the socioeconomic correlates of cognitive impairment by descriptive analysis; applied univariate and multivariate logistic regression model by SAS to determine the odds of reporting each of the financial hardship domains for those with cognitive impairment compared to those without cognitive impairment, controlling for sociodemographic characteristics
- Validated the statistical technique and interpreted the results; compared results with Difference-in-Difference technique method

PAST RESEARCH AND ACADEMIC PROJECTS

Racial Discrimination at Nursing Homes

PI: Reginald Tucker-Seeley, ScD; Kathleen Wilber, PhD

- Investigated the association between nursing home patient characteristics (e.g., race/ethnicity) and staffing levels (e.g., Nurse type) in nursing homes
- Conducted literature review on the following topic: determinants of nursing home staffing levels; determinants of disparities (racial/ethnic, place, patient mix) in nursing home staffing levels; policy efforts to ensure adequate nursing home staffing levels; Prepared annotated bibliography to the PIs

Registration Dossier of Cabozantinib for Renal Disease

Jan. 2020 – May. 2020

Advisor: Prof. Grant Lawless

School of Pharmacy, USC, Los Angeles, CA

- Created the research framework of Cabozantinib to build a registration dossier, cited Cabozantinib economic factors and opinions given by NCPE
- Accessed Cost-Effectiveness Analysis ICER Model to justify the cost and outcome, utilized the Budget Impact Model to measure the affordability
- Retrieved drug (Cabozantinib, Pazopanib, and Sunitinib) package insert, WAC and AWP prices via IBM Micromedex
- Reviewed Renal cell carcinoma (RCC) disease epidemiology, explored Cabozantinib (CABOMETYX) drug indication, adverse effects, and clinical data from FDA & clinical.gov

Comparative Study of the US and European Healthcare Insurance System

Aug. 2019 – Dec. 2019

Advisor: Prof. Ken S. Wong

School of Pharmacy, USC, Los Angeles, CA

- Provided an overview of the US healthcare government programs (Medicare and Medicaid) function and European healthcare programs to serve as a safety net for underserved and elderly populations by conducted a scoping review
- Juxtaposed the US and European countries (the UK and Spain) pharmaceutical product market access similarities and differences in many aspects such as evidence submission, optimal reimbursement schemes, price negotiations, incorporation into formulary
- Contributed to the final report on key policies comparison across jurisdictions in the US and EU such as the US Affordable Care Act plan compared with Spain's General Healthcare Act of 1986 and England's National Health Service

Aducanumab Price Strategy

Jan. 2019 – May. 2019

Advisor: Prof. Patrick Gless

School of Pharmacy, USC, Los Angeles, CA

- Collaborated with 5 PharmD students to design the price strategy of the cutting-edge drug (Aducanumab) treated for Alzheimer's disease
- Investigated the epidemiology of Alzheimer's Disease by comprehensive literature review, identified the psychological impact and unmet economic needs from the caregiver's perspective
- Researched clinical results of Aducanumab and employed cost-effectiveness analysis with anchor therapy by extracting dosage data, clinical analysis from ClinicalTrials.gov, FDA & EMA
- Charted strategy canvas of Aducanumab with competition on SPSS based on 4 value attributes including cognitive improvement, side effects, amyloid plaque reduction, and quality of life; implemented a value-based price waterfall of the drug on Excel

Independent Practice Association (IPA) in Healthcare Delivery

Aug. 2018 – Dec. 2018

Advisor: Prof. Sally Ramirez

School of Gerontology, USC, Los Angeles, CA

- Conceptualized a model to define the revolution of healthcare delivery, specified the innovative IPA effect to healthcare providers
- Assessed the quality of managed long-term care by designed a written survey and interviewed 13 nursing homes in Greater Los Angeles Area
- Conducted the policy scan for regulations on IPA from the 1960s to 2010s in different states across the United States
- Demonstrated the quality improvement of IPA based on systematic literature reviews from PubMed, Google Scholar, and Scopus; drafted research paper, and presented at the school-wide showcase

CONFERENCES ATTENDED

LeadingAge Annual Meeting & EXPO

The Geological Society of America Annual Meeting

SKILLS

SAS, SQL, SPSS, MS Office Suite, Adobe Connect

PROFESSIONAL EXPERIENCE

USC Gerontology School Aging Center

2018-2020

MORE Health Inc.

2019