

**MATTHEW B. KAUFMANN**[mbkauf@stanford.edu](mailto:mbkauf@stanford.edu) | (240) 997-6994Stanford Health Policy, Department of Health Policy, School of Medicine and Center for Health Policy,  
Freeman Spogli Institute, Stanford University, Stanford, CA, USA**RESEARCH INTERESTS**

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Cost-effectiveness analysis, Simulation modeling, End-stage kidney disease, Kidney transplantation policy, Cancer modeling,  
Infectious disease modeling**EDUCATION**

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PhD	Health Policy (Decision Sciences), <b>Stanford University</b> Advisor: Jeremy D. Goldhaber-Fiebert Dissertation: Kidney Allocation to Improve Health and Equity	2024 (exp)
MHS	Health Economics, <b>Johns Hopkins University Bloomberg School of Public Health</b> Advisor: William V. Padula Thesis: Cost-Effectiveness Analysis of a School-Based Health Center	2017
BSBA	Finance (Investments), Business Economics, <b>University of South Carolina</b> Advisor: Colin R. Jones Honor's Thesis: Rising Student Loan Debt: How the University of South Carolina Can Help Students Honor's College, <i>magna cum laude</i>	2015

**PUBLICATIONS AND MANUSCRIPTS**

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**Peer-reviewed Journals**

Hoerger, T.J., Hilscher, R., Neuwahl, S., **Kaufmann, M. B.**, Shao, H., Laxy, M., Cheng, Y.J., Benoit, S., Chen, H., Anderson, A. and Craven, T., Yang, W., Cintina, I., Staimez, L., Zhang, P., the Look AHEAD Research Group. (2023). *A New Type 2 Diabetes Microsimulation Model to Estimate Long-term Health Outcomes, Costs, and Cost-Effectiveness*. Value in Health.  
<https://doi.org/10.1016/j.jval.2023.05.013>

**Kaufmann, M. B.**, Tan, J. C., Chertow, G. M., Goldhaber-Fiebert, J. D. (2023). *Deceased Donor Kidney Transplantation for Older Transplant Candidates: A New Microsimulation Model for Determining Risks and Benefits*. Medical Decision Making.  
<https://doi.org/10.1177/0272989X231172169>

Krissberg, J., **Kaufmann, M.B.**, Gupta, A., Bendavid, E., Grimm, P., Chaudhuri, A. (2021). *Racial Disparities in Pediatric Kidney Transplantation under the New Kidney Allocation System in the United States*. Clinical Journal of the American Society of Nephrology. <https://doi.org/10.2215/CJN.06740521>

Lentine, K., Cheungpasitporn, W., Tan, J.C., **Kaufmann, M.**, Caliskan, Y., Bunnapradist, S., Lam, N.N., Schnitzler, M., Axelrod, D.A. (2021). *Immunosuppression Considerations for Older Kidney Transplant Recipients*. Current Transplantation Reports.  
<https://doi.org/10.1007/s40472-021-00321-6>

**Working Papers**

**Kaufmann, M.B.**, Tan, J., Chertow, G., Goldhaber-Fiebert, J.D., *Utilization of suboptimal deceased donor kidneys among older candidates: a cost-effectiveness analysis*

**Technical Reports**

Allaire, B., King, G., **Kaufmann, M.**, Hilscher, R., Hoerger, T. (2018). *Report on the Model Parameters and Algorithms for the CDC-RTI Microsimulation Model of Diabetes, Cardiovascular Disease, and Nutrition*. Centers for Disease Control and Prevention.

Honeycutt, A., Hutchinson, B., **Kaufmann, M.**, Bates, L. (2017). *Cost-Benefit Analysis of Kidney Dialysis Services in Tuvalu: Final Report*. Commonwealth of Australia, Department of Foreign Affairs and Trade.

## **Conference Presentations**

### **Podium Presentations**

**Kaufmann, M.B.**, Goldhaber-Fiebert, J.D., (2023) *Utilization of suboptimal deceased donor kidneys among older candidates: a cost-effectiveness analysis*. Presented at the 45th annual conference of the Society for Medical Decision Making, Philadelphia, PA.

**Kaufmann, M.B.**, Alarid-Escudero, F., (2023) *Building a race-specific model of Helicobacter pylori infections in the United States*. Presented at the CISNET Midyear Meeting, Seattle, WA.

### **Poster Presentations**

**Kaufmann, M.B.**, Alarid-Escudero, F., (2023) *Building a race-specific model of Helicobacter pylori infections in the United States*. Presented at the 45th annual conference of the Society for Medical Decision Making, Philadelphia, PA.

**Kaufmann, M.B.**, Goldhaber-Fiebert, J.D., (2023) *Utilization of suboptimal deceased donor kidneys among older candidates: a cost-effectiveness analysis*. Presented at the 45th annual conference of the Society for Medical Decision Making, Philadelphia, PA.

**Kaufmann, M.B.**, Alarid-Escudero, F., (2023) *Building a race-specific model of Helicobacter pylori infections in the United States*. Presented at the CISNET Midyear Meeting, Seattle, WA.

**Kaufmann, M.B.**, Goldhaber-Fiebert, J.D., (2023). *Cost-Effectiveness of Kidney Transplant Allocation Policies on Older Deceased Donor Transplant Candidates*. Presented at the 29th annual AHRQ NRSA Trainees Research Conference, Virtual.

**Kaufmann, M.B.**, Goldhaber-Fiebert, J.D., (2022). *Potential Impact of Deceased Donor Kidney Allocation Policies on Older Transplant Candidates: A Modeling Study*. Presented at the 44th annual conference of the Society for Medical Decision Making, Seattle, WA.

**Kaufmann, M.B.**, Tan, J.C., Chertow, G., Goldhaber-Fiebert, J.D., (2022). *Deceased donor kidney transplantation for older transplant candidates -- a new model for determining risk/benefit*. Presented at the 28th annual AHRQ NRSA Trainees Research Conference, Virtual.

**Kaufmann, M.B.**, Tan, J.C., Chertow, G., Goldhaber-Fiebert, J.D., (2021). *Validation of a Risk Equations for Older Kidney Transplant Recipients*. Presented at the 43rd annual conference of the Society for Medical Decision Making, Virtual.

**Kaufmann, M.B.**, Tan, J.C., Chertow, G., Goldhaber-Fiebert, J.D., (2021). *Risk Equations for Elderly Deceased Donor Kidney Transplant Outcomes*. Presented at the 27th annual AHRQ NRSA Trainees Research Conference, Virtual.

Hoerger, T. J., Hilscher, R., Neuwahl, S., Cheng, Y. J., Benoit, S.R., Shao, H., Laxy, M., Yang, W., Cintina, I., **Kaufmann, M.**, Chen, H., Anderson, A.M., Staimez, L.R., Narayan, K.M.V., Zhang, P. (2021). *A New Type 2 Diabetes Microsimulation Model to Estimate Long-Term Health Outcomes, Costs, and Cost-Effectiveness*. Presented at the 81st Scientific Sessions of the American Diabetes Association, Virtual.

**Kaufmann, M.B.**, Goldhaber-Fiebert, J.D., (2020). *Cost-effectiveness of a “wild-card” patient designation policy in deceased donor-kidney transplants*. Presented at the 42nd annual conference of the Society for Medical Decision Making, Virtual.

Hoerger, T. J., **Kaufmann, M.**, Neuwahl, S., Shao, H., Chen, H., Laxy, M., Cheng, Y. J., Benoit, S.R., Anderson, A.M., Craven T., Zhang, P. (2020). *Developing New Risk Equations to Predict Diabetes-Related Complications and Mortality in US Adults with Type 2 Diabetes*. Presented at the 80th Scientific Sessions of the American Diabetes Association, Virtual.

Honeycutt, A., Hutchinson, B., **Kaufmann, M.**, Bates, L., Soakai, S., Whelan, C. (2018, June). *Cost-minimization analysis of kidney dialysis services in Tuvalu*. Presented at the 7th annual conference of the American Society of Health Economists, Atlanta, GA.

### **Audio Publication**

**Kaufmann, M.** Contributor. (2021) *Racial Disparities in Pediatric Kidney Transplantation under the new Kidney Allocation System in the United States*. CJASN Podcast.

## RESEARCH EXPERIENCE

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**Mathematical Modeling of *Helicobacter pylori* Transmission in the United States, Graduate Research Assistant** 2023-Present  
*PI: Fernando Alarid-Escudero, Stanford University*

- A Cancer Intervention and Surveillance Modeling Network (CISNET) project for the gastric cancer modeling group funded by the National Cancer Institute
- Developed and calibrated a race-specific, age-structured, susceptible-infected-susceptible (SIS) dynamic transmission model of *H. pylori* infection and treatment in the United States

**Cost-Effectiveness of a School-Based Health Center, Graduate Research Assistant** 2016-2017  
*PI: William V. Padula, Johns Hopkins University Bloomberg School of Public Health*

- Led a team of four other students in conducting a systematic review and building an economic model
- Developed a Markov model to analyze children with asthma through various health states

## TEACHING EXPERIENCE

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Experience	Course Title	Years(s)
Teaching Assistant	HRP 201A/MED 215 A: Health Policy Graduate Student Tutorial I	2023
Teaching Assistant	HRP 392 / BIOMEDIN 432: Analysis of Costs, Risks, and Benefits of Health Care	2022
Teaching Assistant	HRP 252 / MED 252 / BIOMEDIN 251: Outcomes Analysis	2022
Guest Lecturer	HRP 208: Introduction to Concepts and Methods in Health Services and Policy Research II	2022
Instructor	Health Policy Summer Math Boot Camp	2021-23

## FELLOWSHIPS, HONORS, & AWARDS

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3-time Lee B. Lusted Prize Finalist (Top 10 student abstract in research category) for presentation titled "Validation of a Risk Equations for Older Kidney Transplant Recipients", *Society for Medical Decision Making (SMDM)* 2021 & 2023

National Research Service Award T32 Fellow, *Agency for Health Research and Quality* 2011-2015

Cooper Scholars Award (merit scholarship with annual value of \$4,000 + tuition reduction to in-state rate), *University of South Carolina* 2019-Present

## PROFESSIONAL SERVICES & AFFILIATIONS

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**Professional affiliations:** Society for Medical Decision Making  
**Ad-hoc peer reviewer:** Medical Decision Making

## PROFESSIONAL EXPERIENCE

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**RTI International**, Research Triangle Park, NC 2017-2019  
*Economist III, Public Health Economics Program*

- Managed projects, designed and conducted simulation models, and conducted statistical analyses for projects that covered the following topics: diabetes, childhood pneumonia and diarrhea, asthma, family planning, dialysis, oncology, nutrition, epidemic surveillance, and stroke care.

## COMPUTER SKILLS

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**Data Analysis:** R, Stata  
**Simulation/Decision Making:** R, TreeAge, Amua, Python  
**Visualization:** Tableau  
**Other Programming Languages:** VBA