

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF CARDIAC SURGERY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH MANAGEMENT AND POLICY
DEPARTMENT OF EPIDEMIOLOGY

Michael P. Thompson, Ph.D., M.P.H., assistant professor of cardiac surgery, Department of Cardiac Surgery, Medical School, assistant professor of health management and policy, Department of Health Management and Policy, and assistant professor of epidemiology, Department of Epidemiology, School of Public Health, is recommended for promotion to associate professor of cardiac surgery, with tenure, Department of Cardiac Surgery, Medical School, associate professor of health management and policy, without tenure, Department of Health Management and Policy, and associate professor of epidemiology, without tenure, Department of Epidemiology, School of Public Health.

Academic Degrees

Ph.D.	2015	Michigan State University, East Lansing, MI
M.P.H.	2011	University of Michigan, Ann Arbor, MI
B.S.	2009	Michigan State University, East Lansing, MI
B.S.	2008	Michigan State University, East Lansing, MI

Professional Record

2023-present	Assistant Professor, Department of Health Management and Policy, University of Michigan, School of Public Health
2023-present	Assistant Professor, Department of Epidemiology, University of Michigan, School of Public Health
2017-present	Assistant Professor, Department of Cardiac Surgery, University of Michigan

Summary of Evaluation:

Teaching: Dr. Thompson's contributions to teaching include classroom instruction and research mentorship at the resident, medical student, and graduate student levels. His mentees have given conference presentations and produced publications. He is currently an instructor for the Public Health and Informatics (HMP611) course, and the Healthcare Quality, Performance Measurement, and Improvement (HMP601) in the School of Public Health. His teaching evaluations are very good to excellent. He serves on two dissertation committees. Nationally, he provides a didactic lecture series to the Society of Thoracic Surgery.

Research: Dr. Thompson's research focuses on improving healthcare quality and delivery while reducing costs, with a specific focus on cardiovascular patients. A key area is improving the use of patient participation in cardiac rehabilitation, specifically looking at the effects of policy, novel technology, and payment systems. He is currently funded as a multi-principal investigator (Administrative PI) on an R01, and principal investigator on a K01, both from the from the National Institutes of Health (NIH), Agency for Healthcare and Research in Quality (AHRQ),

and co-investigator on an AHRQ and foundation grant. He has published a total of 67 peer-reviewed papers in top-tier journals such as the *Journal of Thoracic and Cardiovascular Surgery* and the *Journal of Urology*. Several of his papers are part of the Michigan Congestive Heart Failure Investigator group, indicating both research leadership and strong collaborations. He has been an invited speaker on 11 occasions regionally and nationally. His efforts to improve cardiac rehabilitation utilization were nationally recognized with the Prevention's Million Hearts Cardiac Rehabilitation Collaborative Award from the Centers for Disease Control 2022.

Recent and Significant Publications:

Thompson MP*, Yaser JM, Fliegner MA, Syrjamaki JD, Nathan H, Sukul D, Theurer PF, Clark MJ, Likosky DS, Prager RL; Michigan Value Collaborative and the Michigan Society of Thoracic and Cardiovascular Surgeons Quality Collaborative, "High Socioeconomic Deprivation and Coronary Artery Bypass Grafting Outcomes: Insights From Michigan" *Ann Thorac Surg*. 2022 Jun;113(6):1962-1970. doi: 10.1016/j.athoracsur.2021.07.021. Epub 2021 Aug 11. PMID: 34390700.

Thompson M*, Yaser JM, Hou H, Syrjamaki JD, DeLucia A, Likosky DS, Keteyian SJ, Prager RL, Gurm HS, Sukul D, "Determinants of Hospital Variation in Cardiac Rehabilitation Enrollment During Coronary Artery Disease Episodes of Care," *Circulation: Cardiovascular Quality and Outcomes*.14(2): E007144-E007144, 02/2021. PM33541107.

Thompson M*, Brescia A, Hou H, Pagani FD, Sukul D, Dimick JB, Likosky DS, "Access to Transcatheter Aortic Valve Replacement Under New Medicare Surgical Volume Requirements," *JAMA Cardiol*. 5(6):729–732, 06/2020. PM32236500.

Thompson MP*, Pagani FD, Liang Q, Franko LR, Zhang M, McCullough JS, Strobel RJ, Aaronson KD, Kormos RL, Likosky DS, "Center Variation in Medicare Spending for Durable Left Ventricular Assist Device Implant Hospitalizations," *JAMA Cardiology*. 4(2): 153-160, 02/2019. PM30698605.

Thompson MP*, Luo Z, Gardiner J, Burke JF, Nickles A, Reeves MJ, "Impact of Missing Stroke Severity Data on the Accuracy of Hospital Ischemic Stroke Mortality Profiling," *Circ Cardiovasc Qual Outcomes*. 2018 Oct;11(10):e004951. doi: 10.1161/CIRCOUTCOMES.118.004951. PMID: 30354572.

Service: Dr. Thompson is actively engaged in various service activities at institutional and national levels. Nationally, he has several leadership roles within the American Heart Association, Quality of Care and Outcomes Research Council, including service as including as the vice chair of the Scientific and Clinical Education Lifelong Learning Committee and vice chair of the Early Career Committee. He has also served as the chair of the Quality and Value Interest Group and Theme Leader for the 2022 Annual Research Meeting on Improving Safety, Quality, and Value for AcademyHealth. Dr. Thompson is on the study section for the TAKEheart Hybrid Cardiac Rehabilitation Technical Expert Panel for the AHRQ. He is an abstract reviewer for the AcademyHealth Annual Research Meeting and the American Heart Association Quality of Care and Outcomes Meetings. He is an ad hoc reviewer for 15 journals, including *PLOS One*, and *Circulation: Cardiovascular Interventions*. He has served as a commentator for *Circulation: Cardiovascular Quality and Outcomes*. Regionally, he serves as co-director of the Michigan Value Collaborative (MVC), where he oversees collaborative-wide meetings and workgroups, with the goal of improving the quality of care throughout the state of Michigan. Institutionally, he participates on several committees for the Institute for Healthcare

Policy and Innovation, including as the chair of the Early Career Faculty Advisory Committee, as a member of the Education and Training Leadership Workgroup, on the culture committee for the Department of Cardiac Surgery, and a member of the UM Government Relations Advisory Committee. In 2023, he became the director of Analytic Strategy for the Center for Healthcare Outcomes and Policy (CHOP).

External Reviewers:

Reviewer A: "...he has established himself as a nationally respected health services researcher in the field of cardiac rehabilitation. This is evidenced by his publications on the topic (e.g., DOI: 10.1161/CIRCOUTCOMES.120.007144) and securing of grant funding from both federal and private sources. His voice and perspective with regard to health service delivery and health care value are essential to ongoing work in the field... His methods have also influenced national efforts such as the CDC/Million Hearts cardiac rehabilitation surveillance efforts."

Reviewer B: "Dr. Thompson has achieved regional and national stature as a result of his work. This is exemplified in his election to a number of important committees and councils, including the Council on Quality of Care and Outcomes Research of the American Heart Association in their Lifelong Learning Committee (for which he serves as vice chair) and Early Career Committee (for which he previously served as vice chair). He has also been involved with AcademyHealth and served as Chair for the Quality and Value Interest Group."

Reviewer C: "Dr. Thompson has an excellent publication record. He has published more than 60 peer-reviewed manuscripts in highly respected journals, including JAMA-Cardiology, JAMA-Surgery, JAMA-Network Open, and The Journal of General Internal Medicine. Dr. Thompson has also demonstrated success in obtaining extramural funding and is Principal Investigator on a recently awarded AHRQ R01."

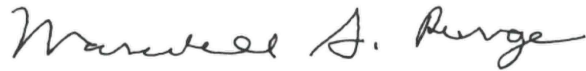
Reviewer D: "Dr. Thompson's contribution to UMich's educational mission is extensive and includes his role as a course instructor and lecturer in numerous national and institutional courses on research methodology... He also serves as a generous mentor for a diverse range of trainees (surgical residents n=8, medical students n=5, and graduate students n=4), serves on dissertation committees, and supports his mentees financially by providing funding and opportunities to serve as research assistants, and frequently includes his mentees as manuscript coauthors."

Reviewer E : "Dr. Thompson's bibliography, accomplishments, and real-world impact already exceed those of a typical candidate for advancement from Assistant to Associate Professor. I am particularly impressed at the number of first author publications. He has given numerous Abstract presentation (again, many as first author) and other invited extramural presentations. He is an invited reviewer for multiple journals."

Summary of Recommendation:

Dr. Thompson has established himself as an outstanding researcher and expert on the drivers of cost in outcomes in cardiac surgery, reducing patient cost sharing for cardiac rehabilitation, and using quantitative methodologies to implement evidence-based practices for improved outcomes. He is a rising star and his scholarly reputation continues to grow. He wholeheartedly contributes to the scholarly, educational, and service missions of the institution. We are pleased to

recommend Michael P. Thompson, Ph.D., M.P.H. for promotion to associate professor of cardiac surgery, with tenure, Department of Cardiac Surgery, Medical School, associate professor of health management and policy, without tenure, Department of Health Management and Policy, and associate professor of epidemiology, without tenure, Department of Epidemiology, School of Public Health.



Marschall S. Runge, M.D., Ph.D.
Executive Vice President for Medical Affairs
Dean, Medical School



F. DuBois Bowman, Ph.D.
Dean, School of Public Health

May 2024