

PROMOTION RECOMMENDATION
THE UNIVERSITY OF MICHIGAN
MEDICAL SCHOOL
DEPARTMENT OF PEDIATRICS
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH MANAGEMENT AND POLICY

Kao-Ping Chua, M.D., Ph.D., assistant professor of pediatrics, Department of Pediatrics, Medical School, and assistant professor of health management and policy, Department of Health Management and Policy, School of Public Health, is recommended for promotion to associate professor of pediatrics, with tenure, Department of Pediatrics, Medical School, and associate professor of health management and policy, without tenure, Department of Health Management and Policy, School of Public Health.

Academic Degrees:

Ph.D.	2015	Harvard University, Cambridge, MA
M.D.	2007	Washington University, St. Louis, MO
B.S.	2002	Vanderbilt University, Nashville, TN

Professional Record:

2020-present	Assistant Professor, Department of Health Management and Policy, School of Public Health, University of Michigan
2019-present	Assistant Professor, Department of Pediatrics, Division of General Pediatrics, University of Michigan
2017-2019	Clinical Assistant Professor, Department of Pediatrics, University of Michigan
2015-2017	Assistant Professor, Department of Public Health Services, University of Chicago
2015-2017	Assistant Professor, Department of Pediatrics, University of Chicago

Summary of Evaluation:

Teaching: Dr. Chua has excelled as a teacher in both the classroom and the laboratory and has made significant contributions to the Medical School's educational mission. He has been active in teaching to graduate students, residents, and fellows in their research projects, and on projects ranging from orphan drug policy, newborn screening, and diabetes screening, demonstrating his ability to teach and apply sound research principles to any topic. He regularly lectures within a School of Public Health course concerning healthcare quality improvement; the course director provided a letter praising Dr. Chua's ability to engage students in a very complex policy issue while weaving in his own research and clinical experience, noting that numerous students considered this their favorite lecture of the course. He has served as a group facilitator for UM's Massive Open Online Course concerning the U.S. Health Care System, through the National Clinician Scholars Program core lecture series and to the UM School of Public Health, on opioid prescribing. He serves as the associate director for the Pediatric Health Services Research fellowship at the UM Child Health Evaluation and Research Center (CHEAR) Center and coordinator of the CHEAR Methods Seminar. Teaching performance ratings were positive.

Dr. Chua's evaluations for conference and workshop seminars were largely positive, with his average scores at the national PAS 2022 conference ranking higher than the average.

Research: Dr. Chua's research focuses on opioid prescribing, low-value care, and the burden of out-of-pocket costs for health care. He is a national expert on measuring and improving the quality of opioid prescribing for children and young adults. He is also a leader in the field of low-value care, such as antibiotic overprescribing, and in demonstrating parents' out-of-pocket costs of medical care including the costs of childbirth, orphan drugs, insulin, epinephrine auto-injectors, and COVID-19 hospitalization. Dr. Chua is currently supported by a National Institutes of Health (NIH) K08 on opioid prescribing as the principal investigator, he is a multi-principal investigator on two NIH R01s, and a foundation award, and is a co-investigator on two additional federal awards, with current funding amounting to more than \$6.5M. Dr. Chua has an excellent track record of securing external funding and currently has five grants in submission. Additionally, some of his research focuses on racial and ethnic disparities in healthcare. For example, he was the senior author of the first paper to identify the major data gaps in race/ethnicity in relation to newborn screening. Dr. Chua has authored 70 peer reviewed publications, in high impact journals such as *JAMA*, *JAMA Internal Medicine*, *BMJ*, and *Pediatrics*, including over 40 as first-author. Externally, he has taught ground rounds and given several national level invited presentations including seminars and platform sessions at annual conferences. Dr. Chua has also written two policy briefs, testified twice before Congress, and his work has been extensively featured by dozens of national media outlets including CNN, NPR, Today Show, and the *New York Times*. His research has been recognized with awards that include the Society for Pediatric Research Top-Scoring Abstract in Health Services Research at the 2023 Pediatric Academic Societies Meeting, the 2019 Best Faculty Abstract Award for Health Services Research, and the 2022 Chair's Rising Star Award, both from the Department of Pediatrics.

Recent and Significant Publications:

Carlton EF, Becker NV, Moniz MH, Scott JW, Prescott HC, Chua KP, "Out-of-pocket spending for non-birth-related hospitalizations of privately insured US children, 2017 to 2019," *JAMA Pediatrics*, E230130-e230130, 03/2023. PMID: 36972040.

Chua KP, Dahlem CH, Nguyen TD, Brummett CM, Conti RM, Dora-Laskey AD, Kocher KE, "Naloxone and Buprenorphine Prescribing Following U.S. Emergency Department Visits for Suspected Opioid Overdose: August 2019-April 2021," *Ann Emer Med*, 79(3):225-236. 03/2022 PMID: 34802772.

Chua KP, Brummett CM, Conti RM, Bohnert AS, "Opioid Prescribing to U.S. Children and Young Adults in 2019," *Pediatrics*, 148(3) 09/2021. PMID: 34400571.

Chua KP, Schwartz AL, Volerman A, Conti RM, Huang ES, "Differences in the receipt of low-value services between publicly and privately insured children," *Pediatrics*, 145(2) 02/2020. PMID: 31911477.

Chua KP, Brummett CM, Conti RM, Bohnert ASB, "Association of opioid prescribing patterns with prescription opioid overdose in adolescents and young adults," *JAMA Pediatrics*, 174(2): 141-148. 02/2020; PMID: 31841589.

Service: Dr. Chua has been actively engaged in service endeavors at the departmental, institutional, and national levels. He contributes significantly to patient care serving as a primary

care pediatrician at the Brighton Health Care Center. Nationally, he is an advisory board member for the Child Population Health Research Task Force for the Society for Pediatric Research and the Child Health Interest Group of AcademyHealth. He serves on the editorial board for *Pediatrics*, previously for *Medical Care Research and Review*, and is an ad hoc reviewer for more than 30 scientific journals. He is an abstract reviewer for the annual meetings for the Pediatric Academic Societies and AcademyHealth, as well as for the department's Pediatrics Research Day. In 2022, he was recognized as a top reviewer by the *Annals of Internal Medicine*. Institutionally, he serves on several University of Michigan committees, including the UM Medical School Committee on Clinical Practice Guidelines for Postoperative Pain in Pregnancy. Dr. Chua is a member of the CHEAR Leadership Team and is involved with three CHEAR committees at the departmental level. He is also a reviewer for the Resident and Fellow Research Grant study section for the department.

External Reviewers:

Reviewer A: “Dr. Chua produces rigorous and high quality and impactful research. He is a prolific researcher and focuses on topics with high public health impact. He has been publishing articles in pediatrics, health services and health policy, as first author since 2011.”

Reviewer B: “Dr. Chua’s productivity is excellent and he has clearly become a leader in the areas of prescription opioid use and in pediatrics...[he] appears to have contributed sufficiently to teaching, mentoring, and service during his time as a faculty member. He has also had some key opportunities to present before the US Congress, which is remarkable for a junior faculty member. He also appears to engage with multiple institutes and centers on campus, which is important.”

Reviewer C: “Dr. Chua has published extensively in high impact journals and has substantial evidence of sustained and growing independent grant funding. His scholarship addresses important health services and health policy topics (specifically, prescription opioid use and opioid overdose).”

Reviewer D: “Beyond nationally relevant findings like these, there are many other positive signs that Dr. Chua has attained a national reputation and impact. These include invitations to speak at prestigious venues and to review for high quality journals. No one critiques our work in more detail than NIH study sections, so I also take it as a sign of Dr. Chua’s scientific ability and his standing among scientists that he has been quite successful in his NIH grant writing [sic].”

Reviewer E: “Dr. Chua is making significant contributions to the field. In addition to serving on the editorial board of *Pediatrics*, he is active at the Pediatric Academic Societies’ annual meetings. He also serves as a mentor for trainees and junior faculty. I believe that Dr. Chua is among the top 5% of pediatric health services researchers.”

Reviewer F: “The quality of Dr. Chua’s research is of the highest standard, characterized by rigorous methodology, insightful analysis, and a commitment to addressing critical issues within the field of pediatric health services research. His focus on appropriate prescribing of opioids among pediatric and young adult populations has been particularly policy-relevant in the context of the current overdose crisis, where there has been great concern that early exposure to

prescription opioids facilitates subsequent opioid misuse and risk of overdose among young people... Dr. Chua has a growing reputation in the field among both scholars and policy practitioners.”

Reviewer G: “Dr. Chua is likely to rank in at least the top quartile among his peer group who are working in the field of descriptive opioid-related research. If restricted [sic] to pediatricians, he is likely among the top 5-10%.”

Summary of Recommendations

Dr. Chua is a national expert on measuring and improving the quality of opioid prescribing, particularly to children and young adults. He is an exceptional clinician and scholar who is highly regarded by his peers and serves the university with distinction. We are pleased to recommend Kao-Ping Chua, M.D., Ph.D. for promotion to associate professor of pediatrics, with tenure, Department of Pediatrics, Medical School, and associate professor of health management and policy, without tenure, Department of Health Management and Policy, 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

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