

PROMOTION RECOMMENDATION
The University of Michigan
School of Public Health

Minal Patel, associate professor of health behavior and health education, with tenure, School of Public Health, is recommended for promotion to professor of health behavior and health education, with tenure, School of Public Health.

Academic Degrees:

Ph.D.	2013	University of Michigan, Ann Arbor, MI
M.P.H.	2009	University of Michigan, Ann Arbor, MI
B.A.	2006	University of California, San Diego, San Diego, CA

Professional Record:

2020 - Present	Associate Director, National Clinicians Program, University of Michigan, Ann Arbor, MI
2019 - Present	Associate Chair, Department of Health Behavior and Health Education, School of Public Health, University of Michigan, Ann Arbor, MI
2019 - Present	Associate Professor, Department of Health Behavior and Health Education, School of Public Health, University of Michigan, Ann Arbor, MI
2013 - 2019	John G. Searle Assistant Professor, Department of Health Behavior and Health Education, School of Public Health, University of Michigan, Ann Arbor, MI

Summary of Evaluation:

Teaching: Professor Patel's record of teaching is excellent. Her course and instructor ratings have primarily been well above 4.5 out of 5 in the courses she has taught as associate professor. Since 2015, she has taught HBHE 641: Materials and Methods in Health Education Programs, which is a required course that meets the department's Health Communications selective, where student groups develop products for use by real community organizations. Teaching evaluations for this course were excellent in the past two years, with median scores of 4.9 in winter 2021 and 4.7 in winter 2022 for Q1631 and median scores of 5.0 in winter 2021 and 4.8 in winter 2022 for Q199 on a 5 point scale. She also teaches HBHE 613: Confronting and Addressing Racial/ Ethnic Disparities in Healthcare, a seminar course, which also received very high scores in the past two years. In addition, she has developed a popular three-course Massive Open Online Course (MOOC) specialization on addressing racial health inequity in healthcare that has enrolled over 600 learners since September 2021.

Professor Patel has served on three dissertation committees, two while in rank, and has been primary mentor for two post-doctoral fellows. She has also advised and mentored 30 M.P.H. students and engaged 53 undergraduate students in research. She has served on mentoring teams for two assistant professors on funded or pending K-awards.

Research: Professor Patel is a nationally recognized expert and researcher in examining the economic burden of disease (e.g., financial toxicity, financial stress, and financial burden) as an important social determinant of chronic disease management and outcomes. In her work she aims to foster partnerships between patients, their providers, and the health care system in which they interact. This has informed her federally funded intervention work that is focused on developing the evidence-base for social and medical care integration.

Professor Patel has 75 peer-reviewed publications including many in top public health research journals, including *American Journal of Preventive Medicine*, *Preventive Medicine*, *Preventive Medicine Reports*, *Journal of the American Medical Association (JAMA) Network Open*, and several clinical oncology and

diabetes journals. Thirty-eight have been published since 2019, of which, she is the first or corresponding author on 19 of the articles. According to Google Scholar (December 14, 2022) her publications have been cited a total of 1,128 times with an h-Index of 18. Her work has also had policy impact being cited in Surgeon General's reports and in clinical practice guidelines by the American Diabetes Association. Professor Patel has recently been very successful in attracting research funding. While in rank she has been the principal investigator (PI) or multiple principal investigator (MPI) on \$8.8 million in awarded grant funding (total costs), with another \$3.2 million in new proposals that have been submitted. Her current funding includes serving as the PI of an R01 from the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and MPI of a P30 Core Center on Diabetes Translational Research. She is also serving as the site PI for the School of Public Health's role in the Bank of America Health Equity Initiative in collaboration with the American Heart Association, American Diabetes Association, and American Cancer Society.

Recent and Significant Publications:

- Patel, M.R., Tipirneni, R., Kieffer, E.C., Kullgren, J.T., Ayanian, J.Z., Chang, T., Solway, E., Beathard, E., Kirch, M., Lee, S., Clark, S., Skillicorn, J., Rowe, Z., Goold, S.D. (2020) Examination of Changes in Health Status Among Michigan Medicaid Expansion Enrollees From 2016 to 2017. *JAMA Netw Open*. Jul 1;3(7):e208776. doi: 10.1001/jamanetworkopen.2020.8776. PMID: 32648922; PMCID: PMC7352154.
- Patel, M.R. (2020) Social Determinants of Poor Management of Type 2 Diabetes Among the Insured. *Curr Diab Rep*. Nov 5;20(11):67. doi: 10.1007/s11892-020-01354-4. PMID: 33150501; PMCID: PMC7641654.
- Patel, M.R., Heisler, M., Piette, J.D., Resnicow, K., Song, P.X.K., Choe, H.M., Shi, X., Tobi, J., Smith, A. (2020) Study protocol: CareAvenue program to improve unmet social risk factors and diabetes outcomes- A randomized controlled trial. *Contemp Clin Trials*. Feb;89:105933. doi: 10.1016/j.cct.2020.105933. Epub 2020 Jan 7. Erratum in: *Contemp Clin Trials*. 2020 May 14;106025. PMID: 31923472; PMCID: PMC7242130.
- Tipirneni, R., Ayanian, J.Z., Patel, M.R., Kieffer, E.C., Kirch, M.A., Bryant, C., Kullgren, J.T., Clark, S.J., Lee, S., Solway, E., Chang, T., Haggins, A.N., Luster, J., Beathard, E., Goold, S.D. (2020) Association of Medicaid Expansion With Enrollee Employment and Student Status in Michigan. *JAMA Netw Open*. Jan 3;3(1):e1920316. doi: 10.1001/jamanetworkopen.2019.20316. PMID: 32003820; PMCID: PMC7042869.
- Patel, M.R., Green, M., Tariq, M., Alhawli, A., Syed, N., Fleming, P.J., Ali, A., Bacon, E., Goodall, S., Smith, A., Resnicow, K. (2022) A Snapshot of Social Risk Factors and Associations with Health Outcomes in a Community Sample of Middle Eastern and North African (MENA) People in the U.S. *J Immigr Minor Health*. Apr;24(2):376-384. doi: 10.1007/s10903-021-01176-w. Epub 2021 Mar 11. PMID: 33704656; PMCID: PMC7948165.

Service: Since 2019, Professor Patel has served as department associate chair. In this role, she has led the coordination of faculty teaching across four programs annually (residential health behavior and health education, M.P.H., health behavior and health education doctoral program, School of Public Health undergraduate program, and School of Public Health online M.P.H. program). She has also developed and executed a formalized departmental mentoring plan for all junior faculty across all tracks and supported the chair in short-term and long-term departmental priorities. At the university level, she has served on the Medical Benefits Advisory Committee and the Internal Community Advisory Board for the Community Outreach and Engagement Core of the Rogel Cancer Center. Outside the university, Professor Patel has been heavily involved with the American Thoracic Society (ATS), where she has been a member of the Behavioral Sciences and Health Services Research Assembly (BSHSR) since 2010. Professor Patel was appointed to their Health Equality and Diversity Committee and held a two-year term as the BSHSR Program chair-elect and then chair. She is a standing member of the Health Promotion in

Communities National Institutes of Health study section and has reviewed grant proposals for other organizations. She has also served as a peer reviewer for numerous health research journals.

External Reviewers:

Reviewer A: “Dr. Patel is widely recognized throughout the ATS and internationally for her outstanding scientific contributions to identifying disparities and accelerating health equity... Recognition as one of 10 emerging leaders in Health and Medicine through the National Academy of Medicine, our assembly for Behavioral Sciences and Health Services Research at ATS as an Emerging Leader, and participation in the Society of Behavioral Medicine’s Leadership Institute underscores the very high regard in which her colleagues view her research and scholarship on the economic burden of multiple chronic diseases. I continue to be impressed by the breadth, innovation and creativity of her work and the fact that global leaders in our field routinely seek opportunities to collaborate with her...Dr. Patel is a galvanizing global force in her leadership to identify social, behavioral, and financial barriers to chronic disease management and identify innovative and practical ways to improve the care we provide to marginalized communities. The two institutions in which I have spent the majority of my academic career...both have rigorous standards for promotion to Professor. I can say with a high level of confidence that given her record, Dr. Patel would most likely be promoted to the rank of full professor at either institution in the School of Medicine or Public Health.”

Reviewer B: “Her research is at the cutting edge of research to improve health outcomes in marginalized and underserved communities... Dr. Patel’s work illuminates the role of economic and other social determinants and is now utilizing this knowledge base to conduct intervention studies that evaluate her innovative intervention ideas. Her studies focus on broad impacts of the medical and social safety net as well as more proximal features of healthcare systems. Excellent exemplars of this high-quality work are her studies on the social and health impacts of Medicaid expansion in Michigan and her study of the specific, practical strategies that should be used to integrate computerized systems into the exam room...Dr. Patel’s sustained program of research places her as a national leader in her field and she is poised to have even greater impact as her intervention work matures. She has a strong, sustained track record of scholarly work in an area that is novel and of high public health significance. She has a successful track record of extramural funding to support this work and provides national service in roles that reflect the high esteem in which her expertise is held. I believe her record clearly shows evidence of, and potential for, continuing excellence in her area of research and academic service. I believe Dr. Patel would comfortably receive promotion to Professor at my institution and compares favorably with other candidates I have reviewed at a similar career stage.”

Reviewer C: “Dr. Patel’s most important line of research has advanced knowledge of social drivers of health and their relationship with health care. Identifying and addressing social drivers of health is one of the most important current areas in health equity research and efforts to advance health equity. Thus, Dr. Patel’s research has supplied important, timely information, including influencing American Diabetes Association Standards of Care...I am pleased to recommend Minal Patel, Ph.D., M.P.H., for promotion to Professor with Tenure at the University of Michigan. Dr. Patel is a productive investigator in the important area of social drivers of health, and has an interesting and robust set of publications in this and related areas of insurance expansion, clinician-patient communication, affordability of medications, and improving care. [My institution] and University of Michigan promotion systems are not directly comparable. At my institution, Dr. Patel would currently be promoted to Professor in the track that values the diverse accomplishments of the academic who performs research, teaching, and service. In this track, tenure is added later when there has been a body of research that has made fundamental research contributions and innovations to the field. At [my institution], I think Dr. Patel would likely meet this requirement when she has published her current intervention studies in social drivers of health, completing a body of work from description, etiology, intervention design, and ultimately interventions improving health outcomes. I am confident that Dr. Patel will complete this body

of work. Her research is diverse, rigorous, and robust, and her mix of investigation, teaching/mentoring, and service is outstanding. While I do not personally know her, Dr. Patel seems to be a fantastic person to have as a faculty member.”

Reviewer D: “The quality and quantity of Dr. Patel’s scholarly work is impressive... Her capacity to garner funding in a highly competitive funding environment speaks to her significant research acumen and her focus on health equity in underrepresented populations which is a high priority area of study... Dr. Patel is recognized as an expert in the economic burden of disease and her work in diabetes is highly influential. In her highly cited 2016 article in ‘Medical Care,’ she reported that multiple social determinants of health associated with cost-related nonadherence among people with diabetes influenced the addition of a new section in the American Diabetes Association Standards of Medical Care. Dr. Patel’s work has brought needed attention to the economic burden of disease...Dr. Patel’s work in the areas of research, teaching mentoring and service, are outstanding. She is a highly productive and influential scholar in public health, working to address and close health equity gaps. She would clearly meet the requirements for promotion to full professor (with tenure) at [my institution].”

Reviewer E: “Dr. Patel’s research is at the intersection of social needs and health care, with an emphasis on populations experiencing health inequities... Her dossier includes the study protocol for this intervention trial which will yield important findings about potential ways to encourage clinical community linkages to address a range of unmet needs such as food insecurity. I was especially excited to see 2-1-1 listed as a resource to address social determinants of health... I was also interested in Dr. Patel’s paper that synthesizes existing literature on how a range of social determinants of health may influence diabetes management...Overall, Dr. Patel clearly has a national reputation in her research area and is well-positioned to continue her contributions at the intersection of social risk, financial burden and health care, as well as her continued collaborations with a fairly unique immigrant community. In assessing whether Dr. Patel would be granted tenure at [my institution], I’d like to note that I am very familiar with [my institution’s] expectations for promotion to full professor which require a national or international reputation, as I have served on both the School and University’s appointment and tenure committees. Dr. Patel is going up for full professor very quickly by our usual practices, which would raise expectations for exceptional performance. Her external funding would be viewed favorably, as would the highly important research agenda, and she would likely be rated excellent in research. Her teaching and service records are comparable to [my institution’s] faculty with three years of experience as an associate professor and her role as associate chair of a department speaks to a strong commitment to service as well as high respect from her colleagues. All things considered, Dr. Patel’s contributions to research, service and teaching would be considered comparable to faculty on the cusp of promotion to full professor at top tier research universities, including [my institution].”

Summary of Recommendation: Professor Patel is a nationally recognized expert and researcher in examining the economic burden of disease as an important social determinant of chronic disease management and outcomes. She has an excellent teaching record and an excellent record of service. It is with the support of the School of Public Health Executive Committee that I recommend Minal Patel for promotion to professor of health behavior and health education, with tenure, School of Public Health.



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

May 2023