



## Neil M. Kalwani, MD, MPP

Clinical Instructor, Medicine - Cardiovascular Medicine

### CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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### Bio

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#### BIO

Dr. Neil M. Kalwani is a board-certified, fellowship-trained cardiologist with Stanford Health Care. He is also a clinical instructor in the Department of Medicine, Division of Cardiovascular Medicine at Stanford University School of Medicine. In addition, he serves as director of preventive cardiology at the Veterans Affairs (VA) Palo Alto Health Care System.

Dr. Kalwani specializes in general and preventive cardiology care. He has expertise in treating high cholesterol and other risk factors to prevent and stop the progression of coronary artery disease and other forms of atherosclerosis. He provides compassionate care centered around his patients' goals and prioritizes effective therapies based on the latest evidence to improve heart health and overall well-being.

Dr. Kalwani's research focuses on innovations in care delivery designed to improve the value of care for people living with cardiovascular disease. He is especially interested in telemedicine and its impact on cardiology care, including on quality of care, practice patterns, and access. He has also investigated clinical decision support for cardiac testing, measurement of patient-reported outcomes for heart disease, and lipoprotein (a) testing patterns.

Dr. Kalwani has published his research in many peer-reviewed journals, including *Circulation*, the *American Heart Journal*, the *American Journal of Preventive Cardiology*, and the *Journal of Telemedicine and Telecare*. He has also presented his research at the American College of Cardiology (ACC) and American Heart Association (AHA) Scientific Sessions. His presentations have covered topics ranging from telemedicine's effect on care delivery to the impact of physician productivity assessment on medical center performance.

Dr. Kalwani is a member of the ACC, AHA, and American Society of Echocardiography (ASE).

#### CLINICAL FOCUS

- Cardiovascular Disease

- Echocardiography
- Preventive Medicine

### ACADEMIC APPOINTMENTS

- Clinical Instructor, Medicine - Cardiovascular Medicine
- Member (Postdoc), Cardiovascular Institute

### ADMINISTRATIVE APPOINTMENTS

- Director of Preventive Cardiology, VA Palo Alto Health Care System, (2024- present)
- Chief Fellow, Division of Cardiovascular Medicine, Stanford School of Medicine, (2020-2021)

### HONORS AND AWARDS

- Early Career Leadership Forum, California Chapter, American College of Cardiology (2022)
- Early Career Investigator Abstract Award Semi-Finalist, AHA Quality of Care and Outcomes Research Conference Program Committee (2021)
- General Winner, Stanford Resident/Fellow Quality Improvement & Patient Safety Symposium (2021)
- Early Career Investigator Travel Award, AHA Quality of Care and Outcomes Research Conference Program Committee (2020)
- Value-Based Health Care Delivery Intensive Seminar, Partners HealthCare Center of Expertise in Health Policy and Management and Harvard Business School (2017)
- John H. Knowles Fellowship, Harvard Kennedy School (2013)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society of Echocardiography (2022 - present)
- Member, American College of Cardiology (2018 - present)
- Member, American Heart Association (2018 - present)

### PROFESSIONAL EDUCATION

- Board Certification: Internal Medicine, American Board of Internal Medicine (2018)
- Postdoctoral Fellowship, Stanford University , Health Services Research (2022)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2021)
- Fellowship: Stanford School of Medicine (2021) CA
- Board Certification, American Board of Internal Medicine , Internal Medicine (2018)
- Residency: Brigham and Women's Hospital (2018) MA

## Publications

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### PUBLICATIONS

- **Predictors of Discharge Diuretic Prescription Duration and Medication Adherence in Heart Failure.** *Journal of cardiac failure*  
Verma, A., Kalwani, N., Fan, J., Skye, M., Oakes, K., Heidenreich, P., Sandhu, A. T.  
2026
- **Systemic Inflammation and Adverse Outcomes in Patients With Atherosclerotic Cardiovascular Disease and Chronic Kidney Disease.** *JACC. Advances*  
Sandhu, A. T., Furst, A., Rodriguez, F., Kalwani, N., Maron, D., Nallamshetty, S., Din, N., Zitko, K., Khachatourian, K., Skaar, J. R., Tonnu-Mihara, I.  
2026; 5 (5): 102765
- **Prioritizing Time from Diagnosis to Quadruple Therapy in Heart Failure Care.** *JAMA cardiology*  
Kalwani, N. M., Golbus, J. R., Greene, S. J.  
2026

- **Changes in Clinician Telemedicine Use and Care Patterns for Patients With Heart Failure in the United States.** *Circulation. Population health and outcomes*  
Joshi, M., Koos, H., Sandhu, A. T., Parameswaran, V., Tisdale, R. L., Heidenreich, P., Scheinker, D., Rodriguez, F., Kalwani, N. M.  
2026; 19 (2): e012089
- **Potential For Missed Heart Failure Diagnosis Among Those High B-type Natriuretic Peptide Values**  
Heidenreich, P., Kalwani, N., Sallam, K., Hsia, S., Tisdale, R., DeJong, C., Sandhu, A.  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2026
- **Patient-Reported Health Status Among Patients With Heart Failure With Improved Ejection Fraction.** *Journal of the American Heart Association*  
Vasti, E., Zheng, J., Kalwani, N. M., DeJong, C., Bhatt, A. S., Ambrosy, A. P., Din, N., Nallamshetty, S., Sallam, K., Heidenreich, P., Sandhu, A. T.  
2025: e043489
- **Expedited outpatient work-up is safe for evaluation of some emergency department patients with chest pain**  
Lyapin, A., Tsai, S., Kalwani, N., Batchelder, R., Ravi, S., Barlas, N., Khandelwal, A., Kell, C., Gafencu, M., Levin, E.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Gaps in Stroke Risk Documentation for Veterans with Incident Atrial Fibrillation**  
Kalwani, N., Tisdale, R., Koos, H., Din, N., Fan, J., Safarnejad, L., Perino, A., Chan, D., Sandhu, A., Heidenreich, P.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Abstract 4341999: Clinical Outcomes Among Individuals with Persistent Systemic Inflammation Following Myocardial Infarction: Insights from the Veterans Affairs Healthcare System**  
Sandhu, A., Furst, A., Rodriguez, F., Kalwani, N., Nallamshetty, S., Din, N., Fan, M., Khachatourian, K., Skaar, J., Tonnu-Mihara, I.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Temporal Trends in Major Adverse Cardiovascular Events Following Hospitalization for Myocardial Infarction Between 2008-2022: Insights from the Veterans Affairs Healthcare System**  
Sandhu, A., Furst, A., Rodriguez, F., Kalwani, N., Maron, D., Nallamshetty, S., Din, N., Fan, M., Khachatourian, K., Skaar, J., Tonnu-Mihara, I.  
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Differences in guideline directed medical therapy for rural and non-rural Veterans with heart failure with reduced ejection fraction.** *American heart journal*  
Steverson, A. B., Fan, J., Din, N., Kalwani, N., Varshney, A. S., Verma, A., Bosworth, H. B., Jurga, T., Hess, P. L., Heidenreich, P., Sandhu, A.  
2025: 107300
- **Variation in Telehealth Use for Patients With Incident Atrial Fibrillation Across the Veterans Health Administration: Retrospective Cohort Study.** *Journal of medical Internet research*  
Tisdale, R. L., Kalwani, N. M., Koos, H., Fan, J., Din, N., Perino, A. C., Chan, D. C., Sandhu, A. T., Heidenreich, P. A.  
2025; 27: e76177
- **Comparison of the Pooled Cohort and the PREVENT Cardiovascular Disease Risk Equations in the Veterans Health Administration.** *Circulation*  
King, S. J., Furst, A., Fan, J., Chen, T. P., Maron, D. J., Heidenreich, P., Nallamshetty, S., Kalwani, N. M., Ward, J. H., Lozama, A., Rodriguez, F., Sandhu, A. T.  
2025; 152 (16): 1183-1185
- **VARIATION IN VIDEO CARE USE FOR PATIENTS WITH INCIDENT ATRIAL FIBRILLATION IN THE VETERANS HEALTH ADMINISTRATION**  
Tisdale, R. L., Kalwani, N. M., Koos, H., Fan, J., Din, N., Perino, A., Chan, D. C., Sandhu, A., Heidenreich, P.  
SPRINGER.2025: S669
- **Impact of Initial Cardiology Telemedicine Evaluation on Follow-Up Visits for Common Conditions: Quasi-Experimental Study.** *Journal of medical Internet research*  
Kalwani, N. M., Koos, H., Kohn, E., Parameswaran, V., Oesterle, A., Adrianzen, M., Kurniawan, F., Qureshi, L., Dash, R., Heidenreich, P., Scheinker, D., Rodriguez, F.  
2025; 27: e73509
- **Pharmacist Management and Quality of Care for Heart Failure With Reduced Left Ventricular Ejection Fraction.** *JACC. Heart failure*  
Heidenreich, P. A., Godbout, R., Lin, S., Sahay, A., Steverson, A., Gholami, P., Kalwani, N., Allaudeen, N., Marin, J., Cho, S., Sandhu, A.  
2025; 13 (9): 102530

- **PREDICTORS OF TELEMEDICINE USE IN PERIPROCEDURAL VISITS FOR CARDIOVASCULAR INTERVENTIONS**  
Shi, Z., Parameswaran, V., Qureshi, L., Yong, C. M., Kalwani, N.  
ELSEVIER SCIENCE INC.2025: 1107
- **Predicted Mortality and Cardiology Follow-Up Following Heart Failure Hospitalizations Among Veterans Health Administration Patients.** *Journal of cardiac failure*  
Tisdale, R. L., Cao, F., Skye, M., Vardeny, O., Sallam, K., Kalwani, N., Hsaio, S., Varshney, A. S., Heidenreich, P. A., Sandhu, A. T.  
2025
- **Lipoprotein a Testing Patterns in the Veterans Health Administration.** *JAMA network open*  
Chen, T., Furst, A., Din, N., Gomez, S., Maron, D. J., Heidenreich, P., Nallamshetty, S., Kalwani, N., Xu, S., Ward, J. H., Lozama, A., Sandhu, A., Rodriguez, et al  
2025; 8 (1): e2453300
- **Temporal trends in lipoprotein(a) testing among United States veterans from 2014 to 2023** *AMERICAN JOURNAL OF PREVENTIVE CARDIOLOGY*  
Gomez, S. E., Furst, A., Chen, T., Din, N., Maron, D. J., Heidenreich, P., Kalwani, N., Nallamshetty, S., Ward, J. H., Lozama, A., Sandhu, A., Rodriguez, F.  
2024; 20
- **Temporal trends in lipoprotein(a) testing among United States veterans from 2014 to 2023.** *American journal of preventive cardiology*  
Gomez, S. E., Furst, A., Chen, T., Din, N., Maron, D. J., Heidenreich, P., Kalwani, N., Nallamshetty, S., Ward, J. H., Lozama, A., Sandhu, A., Rodriguez, F.  
2024; 20: 100872
- **Opportunities to Address Specialty Care Deserts and the Digital Divide through the Veterans Health Administration's Telehealth Hub-and-Spoke Cardiology Clinic: Retrospective Cohort Study.** *Journal of medical Internet research*  
Tisdale, R. L., Purmal, C., Kalwani, N., Sandhu, A., Heidenreich, P., Zulman, D., Hussain, T.  
2024; 26: e53932
- **Electronic Health Record Alert to Promote Adoption of Limited Transthoracic Echocardiograms in Primary Care and Cardiology Clinics: A Mixed Methods Evaluation.** *Circulation. Cardiovascular quality and outcomes*  
Kalwani, N. M., Kling, S. M., Vilendrer, S., Garvert, D. W., Veruttipong, D., Baratta, J., Saliba-Gustafsson, E. A., Levin, E., Gaspar, C., Brown-Johnson, C. G., Tsai, S. A., Winget, M.  
2024; 17 (11): e010621
- **Low-Density Lipoprotein Cholesterol Control as a Performance Measure: A National Analysis of the VHA.** *Journal of the American College of Cardiology*  
Jain, S. S., Skye, M., Din, N., Furst, A., Maron, D. J., Heidenreich, P., Kalwani, N., Bhatt, A. S., Sandhu, A. T., Rodriguez, F.  
2024; 84 (13): 1272-1275
- **Evaluation of Prompts to Simplify Cardiovascular Disease Information Generated Using a Large Language Model: Cross-Sectional Study.** *Journal of medical Internet research*  
Mishra, V., Sarraju, A., Kalwani, N. M., Dexter, J. P.  
2024; 26: e55388
- **Clinical Impact of Routine Assessment of Patient-Reported Health Status in Heart Failure Clinic.** *Circulation*  
Sandhu, A. T., Calma, J., Skye, M., Kalwani, N. M., Zheng, J., Schirmer, J., Din, N., Brown Johnson, C., Gupta, A., Lan, R., Yu, B., Spertus, J. A., Heidenreich, et al  
2024
- **LOW-DENSITY LIPOPROTEIN CHOLESTEROL TESTING AND CONTROL AS PERFORMANCE METRICS: A NATIONAL ANALYSIS OF VETERANS AFFAIRS HEALTH CARE SYSTEMS**  
Jain, S. S., Skye, M., Din, N., Maron, D., Heidenreich, P. A., Kalwani, N., Bhatt, A., Sandhu, A., Rodriguez, F.  
ELSEVIER SCIENCE INC.2024: 2014
- **IMPACT OF CLINICIAN TELEMEDICINE USE ON NEW MEDICATION ORDERS FOR PATIENTS WITH HEART FAILURE WITH REDUCED EJECTION FRACTION**  
Joshi, M., Koos, H. T., Sandhu, A., Scheinker, D., Rodriguez, F., Kalwani, N.  
ELSEVIER SCIENCE INC.2024: 632

- **Assessment of Price Variation in Coronary Artery Bypass Surgery at US Hospitals.** *Journal of the American Heart Association*  
Wei, C., Paranjpe, I., Sharma, P., Milligan, M., Lam, M., Heidenreich, P. A., Kalwani, N., Schulman, K., Sandhu, A.  
2024: e031982
- **Uptake of sodium-glucose cotransporter-2 inhibitors in hospitalized patients with heart failure: insights from the veterans affairs healthcare system.** *Journal of cardiac failure*  
Varshney, A. S., Calma, J., Kalwani, N. M., Hsiao, S., Sallam, K., Cao, F., Din, N., Schirmer, J., Bhatt, A. S., Ambrosy, A. P., Heidenreich, P., Sandhu, A. T.  
2024
- **Patient Representativeness With Virtual Enrollment in the PRO-HF Trial.** *Journal of the American Heart Association*  
Gupta, A., Skye, M., Calma, J., Din, N., Azizi, Z., Hernandez, M. F., Zheng, J., Kalwani, N. M., Malunjar, S., Schirmer, J., Wang, P., Rodriguez, F., Heidenreich, et al  
2024; 13 (2): e030903
- **Drivers of telemedicine in primary care clinics at a large academic medical centre.** *Journal of telemedicine and telecare*  
Parameswaran, V., Koos, H., Kalwani, N., Qureshi, L., Rosengaus, L., Dash, R., Scheinker, D., Rodriguez, F., Johnson, C. B., Stange, K., Aron, D., Lyytinen, K., Sharp, et al  
2023: 1357633X231219311
- **An initiative to promote value-based stress test selection in primary care and cardiology clinics: A mixed methods evaluation.** *Journal of evaluation in clinical practice*  
Kling, S. M., Kalwani, N. M., Winget, M., Gupta, K., Saliba-Gustafsson, E. A., Baratta, J., Garvert, D. W., Veruttipong, D., Brown-Johnson, C. G., Vilendrer, S., Gaspar, C., Levin, E., Tsai, et al  
2023
- **Sociodemographic disparities in the use of cardiovascular ambulatory care and telemedicine during the COVID-19 pandemic.** *American heart journal*  
Osmanliu, E., Kalwani, N. M., Parameswaran, V., Qureshi, L., Dash, R., Scheinker, D., Rodriguez, F.  
2023
- **Evaluating the Implementation of Patient-Reported Outcomes in Heart Failure Clinic: A Qualitative Assessment.** *Circulation. Cardiovascular quality and outcomes*  
Brown-Johnson, C., Calma, J., Amano, A., Winget, M., Harris, S. R., Vilendrer, S., Asch, S. M., Heidenreich, P., Sandhu, A. T., Kalwani, N. M.  
2023: e009677
- **PERSISTENT SOCIODEMOGRAPHIC DISPARITIES IN CARDIOVASCULAR TELEMEDICINE USE DURING THE COVID-19 PANDEMIC**  
Kalwani, N., Osmanliu, E., Parameswaran, V., Qureshi, L., Dash, R., Scheinker, D., Rodriguez, F.  
ELSEVIER SCIENCE INC.2023: 2287
- **Early Results of the Patient-Reported Outcome Measurement in Heart Failure Clinic (PRO-HF) Trial**  
Sandhu, A. T., Zheng, J., Kalwani, N. M., Gupta, A., Calma, J., Amano, A., Johnson, C., Winget, M., Heidenreich, P. A.  
LIPPINCOTT WILLIAMS & WILKINS.2022: E572
- **Impact of Patient-Reported Outcome Measurement in Heart Failure Clinic on Clinician Health Status Assessment and Patient Experience: A Sub-Study of the PRO-HF Trial.** *Circulation. Heart failure*  
Sandhu, A. T., Zheng, J., Kalwani, N., Gupta, A., Calma, J., Skye, M., Lan, R., Yu, B., Spertus, J., Heidenreich, P.  
2022
- **The Patient-Reported Outcome Measurement in Heart Failure Clinic Trial: Rationale and Methods of The PRO-HF Trial.** *American heart journal*  
Kalwani, N. M., Calma, J., Varghese, G. M., Gupta, A., Zheng, J., Brown-Johnson, C., Amano, A., Vilendrer, S., Winget, M., Asch, S. M., Heidenreich, P., Sandhu, A.  
2022
- **Drivers of variation in telemedicine use during the COVID-19 pandemic: The experience of a large academic cardiovascular practice.** *Journal of telemedicine and telecare*  
Koos, H., Parameswaran, V., Claire, S., Chen, C., Kalwani, N., Osmanliu, E., Qureshi, L., Dash, R., Scheinker, D., Rodriguez, F.  
2022: 1357633X221130288
- **DRIVERS OF VARIATION IN TELEMEDICINE USE AT AN ACADEMIC CARDIOVASCULAR CENTER DURING THE COVID-19 PANDEMIC**

Koos, H., Parameswaran, V., Claire, S., Chen, C., Kalwani, N., Osmanliu, E., Dash, R., Scheinker, D., Rodriguez, F.  
ELSEVIER SCIENCE INC.2022: 2046

- **Changes in telemedicine use and ambulatory visit volumes at a multispecialty cardiovascular center during the COVID-19 pandemic.** *Journal of telemedicine and telecare*  
Kalwani, N. M., Osmanliu, E., Parameswaran, V., Qureshi, L., Dash, R., Heidenreich, P. A., Scheinker, D., Rodriguez, F.  
1800: 1357633X211073428
- **Initial Outcomes of CardioClick, a Telehealth Program for Preventive Cardiac Care: Observational Study.** *JMIR cardio*  
Kalwani, N. M., Johnson, A. N., Parameswaran, V., Dash, R., Rodriguez, F.  
2021; 5 (2): e28246
- **High-Deductible Health Plans and Emergency Care for Chest Pain: To Go or Not to Go?** *Circulation*  
Kalwani, N. M., Sandhu, A. T.  
2021
- **STATIN ADHERENCE AFTER HEART TRANSPLANTATION: AN OUTCOMES ANALYSIS**  
Li, K., Kalwani, N., Sandhu, A., Khush, K., Fearon, W.  
ELSEVIER SCIENCE INC.2021: 569
- **Management of Lymphatic Vascular Malformations: A Systematic Review of the Literature.** *Journal of vascular surgery. Venous and lymphatic disorders*  
Kalwani, N. M., Rockson, S. G.  
2021
- **Application of the Quadruple Aim to evaluate the operational impact of a telemedicine program.** *Healthcare (Amsterdam, Netherlands)*  
Kalwani, N. M., Wang, K. M., Johnson, A. N., Deb, J. D., Gold, T., Maddukuri, A. K., Savage, E. G., Parameswaran, V., Dash, R., Scheinker, D., Rodriguez, F.  
2021; 9 (4): 100593
- **Elective Percutaneous Coronary Intervention in Ambulatory Surgery Centers.** *JACC. Cardiovascular interventions*  
Li, K., Kalwani, N. M., Heidenreich, P. A., Fearon, W. F.  
2020
- **Electrical Storm in COVID-19.** *JACC. Case reports*  
O'Brien, C. n., Ning, N. n., McAvoy, J. n., Mitchell, J. E., Kalwani, N. n., Wang, P. n., Nguyen, D. n., Reejhsinghani, R. n., Rogers, A. n., Lorenzo, J. n.  
2020; 2 (9): 1256–60
- **Longer-term impact of cardiology e-consults.** *American heart journal*  
Wasfy, J. H., Rao, S. K., Kalwani, N., Chittle, M. D., Richardson, C. A., Gallen, K. M., Isselbacher, E. M., Kimball, A. B., Ferris, T. G.  
2016; 173: 86-93
- **Plasmacytoma of the Clivus Presenting as Bilateral Sixth Nerve Palsy.** *Journal of neurological surgery reports*  
Kalwani, N., Remenschneider, A. K., Faquin, W., Ferry, J., Holbrook, E. H.  
2015; 76 (1): e156-9
- **FGF23 deficiency leads to mixed hearing loss and middle ear malformation in mice.** *PLoS one*  
Lysaght, A. C., Yuan, Q. n., Fan, Y. n., Kalwani, N. n., Caruso, P. n., Cunnane, M. n., Lanske, B. n., Stanković, K. M.  
2014; 9 (9): e107681
- **Quantitative polarized light microscopy of unstained mammalian cochlear sections.** *Journal of biomedical optics*  
Kalwani, N. M., Ong, C. A., Lysaght, A. C., Haward, S. J., McKinley, G. H., Stankovic, K. M.  
2013; 18 (2): 26021