



Minang (Mintu) Turakhia

Clinical Professor, Medicine

CONTACT INFORMATION

- **Twitter**

Tel @leftbundle

Bio

BIO

Mintu Turakhia M.D. M.A.S. is a cardiac electrophysiologist, outcomes researcher, and clinical trialist. He is the Director of the Stanford Center for Digital Health (CDH) and the American Heart Association-funded Heart Health Technology Center. In his clinical role, he performs invasive procedures such as catheter ablation and device implantation to treat heart rhythm disorders.

Dr. Turakhia has an active multidisciplinary program in heart rhythm and digital health research, where uses biostatistical, health economic, artificial intelligence, and data science approaches to examine quality, outcomes, and risk of heart rhythm disorders such as atrial fibrillation in very large datasets. He is a principal investigator of several multi-center trials, such as the Apple Heart Study, to test digital health tools and wearables, and he collaborates closely on research with med device and tech companies. Dr. Turakhia has published over 200 manuscripts and works and is an elected member of the American Society of Clinical Investigation and a Fellow of the American College of Cardiology, American Heart Association, and Heart Rhythm Society. Dr. Turakhia has served as an advisor and investor to over two dozen medical device, drug, and health technology companies across the life cycle from early stage to IPO.

ACADEMIC APPOINTMENTS

- Clinical Professor, Medicine
- Member, Bio-X
- Member, Cardiovascular Institute
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)

ADMINISTRATIVE APPOINTMENTS

- Co-Chairperson, VA Health Services & Research Career Development Conference, (2009-2010)
- Chair, Writing Group, American Heart Association Telemetry Latency Advisory, (2010- present)
- Member, Young Clinicians and Investigators Committee, American Heart Association Council of Quality and Outcomes Research, (2010- present)
- Member, Electrocardiography and Arrhythmias Committee, American Heart Association, (2009- present)
- Cardiac Electrophysiologist, Stanford Hospital and Clinics, (2008- present)
- Director, Cardiac Electrophysiology, Palo Alto VA Health Care System, (2008- present)

HONORS AND AWARDS

- E. William Hancock Faculty Teaching Award, Stanford Division of Cardiovascular Medicine (6/2010)
- Department of Medicine Teaching Award, Stanford Department of Medicine (12/2010)

PROFESSIONAL EDUCATION

- Professional Degree, Biodesign , Faculty Fellow (2015)

COMMUNITY AND INTERNATIONAL WORK

- Research Chair, Mountain View, CA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Turakhia has an active clinical research program, with funding from AHA, VA, NIH, the medical device industry, and foundations. His research program aims to improve the treatment of heart rhythm disorders, with an emphasis on atrial fibrillation, by evaluating quality and variation of care, comparative and cost-effectiveness of therapies, and risk prediction. Dr. Turakhia has extensive expertise in using large administrative and claims databases for this work. His TREAT-AF retrospective study of over 500,000 patients with newly-diagnosed AF is the largest known research cohort of AF patients. He has served as study PI or chairman of several prominent single- and multicenter trials in atrial fibrillation, investigational devices for electrophysiology procedures, digital health interventions, and sensor technologies.

His other research interests include technology assessment of new device-based therapies and the impact of changing health policy and reform on the delivery of arrhythmia care. Dr. Turakhia is a Fellow of the American Heart Association, American College of Cardiology, and Heart Rhythm Society.

CLINICAL TRIALS

- Apple Heart Study: Assessment of Wristwatch-Based Photoplethysmography to Identify Cardiac Arrhythmias, Not Recruiting
- Evaluation of the Use of Apple Watch Features for Identification of Cardiac Arrhythmias, Not Recruiting
- Smartphone GUIDed MeDication AdherencE and Rehabilitation in Patients With Coronary Artery Disease, Not Recruiting
- Smartphones to Improve Rivaroxaban ADHERence in Atrial Fibrillation, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiac Electrophysiology (Fellowship Program)
- Cardiovascular Medicine (Fellowship Program)
- Health Services Research (Masters Program)
- Health Services Research (Phd Program)

Publications

PUBLICATIONS

- **Comparative Effectiveness and Safety of Apixaban and Rivaroxaban in Older Patients with Atrial Fibrillation: A Population-Based Cohort Study.** *Heart rhythm*
Shurrab, M., Austin, P. C., Jackevicius, C. A., Tu, K., Qiu, F., Haldenby, O., Middleton, A., Turakhia, M. P., Lopes, R. D., Boden, W. E., Castellucci, L. A., Heidenreich, P. A., Healey, et al
2024

- **Heart Failure-Related Death in Subjects With Atrial Fibrillation in the United States, 1999 to 2020.** *Journal of the American Heart Association*
Zuin, M., Bertini, M., Vitali, F., Turakhia, M., Boriani, G.
2024; e033897
- **Wearable Digital Health Technologies for Monitoring in Cardiovascular Medicine.** *The New England journal of medicine*
Spatz, E. S., Ginsburg, G. S., Rumsfeld, J. S., Turakhia, M. P.
2024; 390 (4): 346-356
- **Design and Implementation of an Electronic Health Record-Integrated Hypertension Management Application.** *Journal of the American Heart Association*
Funes Hernandez, M., Babakhanian, M., Chen, T. P., Sarraju, A., Seninger, C., Ravi, V., Azizi, Z., Tooley, J., Chang, T. I., Lu, Y., Downing, N. L., Rodriguez, F., Li, et al
2024; 13 (2): e030884
- **Prediction of atrial fibrillation from at-home single-lead ECG signals without arrhythmias.** *NPJ digital medicine*
Gadaleta, M., Harrington, P., Barnhill, E., Hytopoulos, E., Turakhia, M. P., Steinhubl, S. R., Quer, G.
2023; 6 (1): 229
- **Phased target trial design and meta-analysis in a head-to-head treatment comparison**
Singh, J. P., Wieloch, M., Reynolds, S. L., Blomstrom-Lundqvist, C., Sandhu, A. T., Camm, A., Kabadi, S. M., Pundi, K., Turakhia, M., Boiron, R., Coudert, M., Din, N., Fan, et al
WILEY.2023: 444
- **Validation of a Deep Learning Algorithm for Continuous, Real-Time Detection of Atrial Fibrillation Using a Wrist-Worn Device in an Ambulatory Environment.** *Journal of the American Heart Association*
Poh, M. Z., Battisti, A. J., Cheng, L. F., Lin, J., Patwardhan, A., Venkataraman, G. S., Athill, C. A., Patel, N. S., Patel, C. P., Machado, C. E., Ellis, J. T., Crosson, L. A., Tamura, et al
2023; e030543
- **ACC/AHA Hypertension Guidelines and CHA2DS2-VASc Up-Scoring in Patients With Atrial Fibrillation.** *JAMA network open*
Pundi, K., Gosch, K. L., Perino, A. C., Jones, P. G., Desai, N. R., Maddox, T. M., Turakhia, M.
2023; 6 (9): e2335722
- **The Epidemic and Data-Free Zone of Nonsustained Ventricular Tachycardia: An Unintended Consequence of Digital Monitoring and a Path Forward.** *Circulation*
Pundi, K., Marcus, G. M., Turakhia, M.
2023; 148 (10): 805-807
- **The evolving role of data & safety monitoring boards for real-world clinical trials** *JOURNAL OF CLINICAL AND TRANSLATIONAL SCIENCE*
Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al
2023; 7 (1)
- **The evolving role of data & safety monitoring boards for real-world clinical trials.** *Journal of clinical and translational science*
Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J. O., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al
2023; 7 (1): e179
- **Dronedaron versus Sotalol in Antiarrhythmic Drug-Naive Veterans With Atrial Fibrillation.** *Circulation. Arrhythmia and electrophysiology*
Pundi, K., Fan, J., Kabadi, S., Din, N., Blomström-Lundqvist, C., John Camm, A., Kowey, P., Singh, J. P., Rashkin, J., Wieloch, M., Turakhia, M. P., Sandhu, A. T.
2023; e011893
- **Myocardial Infarction Across COVID-19 Pandemic Phases: Insights From the Veterans Health Affairs System.** *Journal of the American Heart Association*
Yong, C. M., Graham, L., Beyene, T. J., Sadri, S., Hong, J., Burdon, T., Fearon, W. F., Asch, S. M., Turakhia, M., Heidenreich, P.
2023; e029910
- **Dronedaron versus sotalol in patients with atrial fibrillation: A systematic literature review and network meta-analysis.** *Clinical cardiology*
Singh, J. P., Blomstrom-Lundqvist, C., Turakhia, M. P., Camm, A. J., Fazeli, M. S., Kreidieh, B., Crotty, C., Kowey, P. R.
2023
- **Association of CHA2DS2-VASc and HAS-BLED to Frailty and Frail Outcomes: From the TREAT-AF Study.** *American heart journal*
Pundi, K., Perino, A. C., Fan, J., Din, N., Szummer, K., Heidenreich, P., Turakhia, M. P.

2023

- **PREVALENCE AND PROGNOSTIC VALUE OF VENTRICULAR TACHYCARDIA ON AMBULATORY ECG MONITORING**
Pundi, K., Fan, J., Din, N., Sandhu, A., Heidenreich, P. A., Turakhia, M.
ELSEVIER SCIENCE INC.2023: 125
- **Contemporary prevalence estimates of undiagnosed and diagnosed atrial fibrillation in the United States.** *Clinical cardiology*
Turakhia, M. P., Guo, J. D., Keshishian, A., Delinger, R., Sun, X., Ferri, M., Russ, C., Cato, M., Yuce, H., Hlavacek, P.
2023
- **Research Opportunities in Stroke Prevention for Atrial Fibrillation: A Report From a National Heart, Lung, and Blood Institute Virtual Workshop.** *Stroke*
Go, A. S., Al-Khatib, S. M., Desvigne-Nickens, P., Bansal, N., Bushnell, C. D., Fang, M. C., Freeman, J. V., Gage, B. F., Hanke, T., Hylek, E. M., Lopes, R. D., Noseworthy, P. A., Reddy, et al
2023; 54 (3): e75-e85
- **Associations of Serum and Dialysate Potassium Concentrations With Incident Atrial Fibrillation in a Cohort Study of Older US Persons Initiating Hemodialysis for Kidney Failure.** *Kidney international reports*
Hu, A., Liu, S., Montez-Rath, M. E., Khairallah, P., Niu, J., Turakhia, M. P., Chang, T. I., Winkelmayr, W. C.
2023; 8 (2): 305-316
- **Does Early Detection of Atrial Fibrillation Reduce the Risk of Thromboembolic Events? Rationale and Design of the Heartline Study.** *American heart journal*
Gibson, C. M., Steinhubl, S., Lakkireddy, D., Turakhia, M. P., Passman, R., Jones, W. S., Bunch, T. J., Curtis, A. B., Peterson, E. D., Ruskin, J., Saxon, L., Tarino, M., Tarakji, et al
2023
- **Warfarin Time in Therapeutic INR Range and Direct Oral Anticoagulant Adherence for Venous Thromboembolism Across the Spectrum of Weight and Body Mass Index: Findings from Veterans Health Administration.** *Clinical and applied thrombosis/hemostasis : official journal of the International Academy of Clinical and Applied Thrombosis/Hemostasis*
Din, N., Fan, J., Schmitt, S., Guo, J. D., Hlavacek, P., Pundi, K., Russ, C., Emir, B., Turakhia, M. P., Perino, A. C.
2023; 29: 10760296231152474
- **Clinical Trial to Evaluate an Atrial Fibrillation Stroke Prevention Shared DecisionMaking Pathway**
Wang, P. J., Lu, Y., Mahaffey, K. W., Lin, A., Morin, D. P., Sears, S. F., Chung, M. K., Russo, A. M., Lin, B., Piccini, J. P., Hills, M. T., Berube, C., Pundi, et al
LIPPINCOTT WILLIAMS & WILKINS.2022: E582-E583
- **The development of a mobile app-focused deduplication strategy for the Apple Heart Study that informs recommendations for future digital trials.** *Stat (International Statistical Institute)*
Garcia, A., Lee, J., Balasubramanian, V., Gardner, R., Gummidipundi, S. E., Hung, G., Ferris, T., Cheung, L., Desai, S., Granger, C. B., Hills, M. T., Kowey, P., Nag, et al
2022; 11 (1): e470
- **Consumer-Led Screening for Atrial Fibrillation: Frontier Review of the AF-SCREEN International Collaboration.** *Circulation*
Brandes, A., Stavrakis, S., Freedman, B., Antoniou, S., Boriani, G., Camm, A. J., Chow, C. K., Ding, E., Engdahl, J., Gibson, M. M., Golovchiner, G., Glotzer, T., Guo, et al
2022; 146 (19): 1461-1474
- **A Randomized Clinical Trial to Evaluate an Atrial Fibrillation Stroke Prevention Shared Decision-Making Pathway.** *Journal of the American Heart Association*
Wang, P. J., Lu, Y., Mahaffey, K. W., Lin, A., Morin, D. P., Sears, S. F., Chung, M. K., Russo, A. M., Lin, B., Piccini, J., Hills, M. T., Berube, C., Pundi, et al
2022: e8009
- **Association of Race and Ethnicity With Oral Anticoagulation and Associated Outcomes in Patients With Atrial Fibrillation: Findings From the Get With The Guidelines-Atrial Fibrillation Registry.** *JAMA cardiology*
Essien, U. R., Chiswell, K., Kaltenbach, L. A., Wang, T. Y., Fonarow, G. C., Thomas, K. L., Turakhia, M. P., Benjamin, E. J., Rodriguez, F., Fang, M. C., Magnani, J. W., Yancy, C. W., Piccini, et al
2022
- **Dronedaron versus sotalol in patients with atrial fibrillation: a systematic literature review and network meta-analysis**
Kreidieh, B., Singh, J. P., Blomstrom-Lundqvist, C., Turakhia, M. P., Camm, A. J., Fazeli, M. S., Crotty, C., Kowey, P. R.
OXFORD UNIV PRESS.2022: 574

- **Machine learned clusters explain heterogeneity in outcomes from map-guided ablation of Atrial Fibrillation results from the large PROspective Stanford AF Registry (ProSTAR)**
Deb, B., Rogers, A. J., Bhatia, N. K., Baykaner, T., Turakhia, M., Clopton, P. L., Chang, H. J., Brodt, C., Narayan, S. M., Wang, P. J., Viswanathan, M. N.
OXFORD UNIV PRESS.2022: 474
- **Medical therapy for patients with recent-onset heart failure with reduced ejection fraction during the COVID-19 pandemic: Insights from the Veteran's affairs healthcare system.** *American heart journal plus : cardiology research and practice*
Sandhu, A., Zheng, J., Tisdale, R., Kohsaka, S., Turakhia, M. P., Heidenreich, P.
2022: 100210
- **Atrial fibrillation bleeding risk and prediction while treated with direct oral anticoagulants in warfarin-naive or warfarin-experienced patients.** *Clinical cardiology*
Perino, A. C., Fan, J., Pundi, K., Schmitt, S., Kothari, M., Din, N., Heidenreich, P. A., Turakhia, M. P.
2022
- **Pandemic-proof recruitment and engagement in a fully decentralized trial in atrial fibrillation patients (DeTAP).** *NPJ digital medicine*
Sarraj, A., Seninger, C., Parameswaran, V., Petlura, C., Bazouzi, T., Josan, K., Grewal, U., Viethen, T., Mundl, H., Luthle, J., Basobas, L., Touros, A., Senior, et al
2022; 5 (1): 80
- **Lessons learned in the Apple Heart Study and implications for the data management of future digital clinical trials.** *Journal of biopharmaceutical statistics*
Garcia, A., Balasubramanian, V., Lee, J., Gardner, R., Gummidipundi, S., Hung, G., Ferris, T., Cheung, L., Granger, C., Kowey, P., Rumsfeld, J., Russo, A., Hills, et al
2022: 1-15
- **Wearables, telemedicine, and artificial intelligence in arrhythmias and heart failure: Proceedings of the European Society of Cardiology: Cardiovascular Round Table.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
Leclercq, C., Witt, H., Hindricks, G., Katra, R. P., Albert, D., Belliger, A., Cowie, M. R., Deneke, T., Friedman, P., Haschemi, M., Lobban, T., Lordereau, I., McConnell, et al
2022
- **The Increasing Role of Rhythm Control in Patients With Atrial Fibrillation: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
Camm, A. J., Naccarelli, G. V., Mittal, S., Crijns, H. J., Hohnloser, S. H., Ma, C., Natale, A., Turakhia, M. P., Kirchhof, P.
2022; 79 (19): 1932-1948
- **THE 2017 ACC/AHA HYPERTENSION GUIDELINES AND CHA2DS2-VASC UP-SCORING IN PATIENTS WITH ATRIAL FIBRILLATION: INSIGHTS FROM THE NCDR (R) PINNACLE (R) REGISTRY**
Pundi, K., Gosch, K., Din, N., Perino, A., Jones, P. G., Desai, N. R., Maddox, T. M., Turakhia, M.
ELSEVIER SCIENCE INC.2022: 12
- **The Gig Economy Worker-A New Social Determinant of Health?** *JAMA cardiology*
Rodriguez, F., Sarraj, A., Turakhia, M. P.
1800
- **Achievement and Quality Measure Attainment in Patients Hospitalized with Atrial Fibrillation: Results from the Get With The Guidelines - Atrial Fibrillation (GWTG-AFIB) Registry.** *American heart journal*
Ullal, A. J., Holmes, D. N., Lytle, B. L., Matsouka, R. A., Sheng, S., Desai, N. R., Curtis, A. B., Fang, M. C., McCabe, P. J., Fonarow, G. C., Russo, A. M., Lewis, W. R., Heidenreich, et al
1800
- **Is it time for a consumerized or home-based 12-lead electrocardiogram?** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
Tooley, J. E., Turakhia, M. P.
2021
- **Anticoagulation Treatment and Outcomes of Venous Thromboembolism by Weight and Body Mass Index: Insights From the Veterans Health Administration.** *Circulation. Cardiovascular quality and outcomes*
Perino, A. C., Fan, J., Schmitt, S., Guo, J. D., Hlavacek, P., Din, N., Kothari, M., Pundi, K., Russ, C., Emir, B., Turakhia, M. P.
2021: CIRCOUTCOMES121008005

- **Performance of first pacemaker to use smart device app for remote monitoring.** *Heart rhythm O2*
Tarakji, K. G., Zaidi, A. M., Zweibel, S. L., Varma, N., Sears, S. F., Allred, J., Roberts, P. R., Shaik, N. A., Silverstein, J. R., Maher, A., Mittal, S., Patwala, A., Schoenhard, et al
2021; 2 (5): 463-471
- **Utility of device-derived daily activity, a novel digital biomarker, to predict ventricular arrhythmias data from the CERTITUDE registry**
Kutyifa, V., Rosero, S., Harrel, C., Singh, J., Hicks, J., Chinitz, L., Varma, N., Piccini, J., Turakhia, M.
OXFORD UNIV PRESS.2021: 3073
- **Validation of a pandemic-proof, decentralized cardiovascular trial: scalable design produces rapid recruitment, high engagement and protocol adherence in DeTAP (Decentralized Trial in Afib Patients)**
Josan, K., Touros, A., Petlura, C., Parameswaran, V., Grewal, U., Senior, M., Viethen, T., Mundl, H., Seninger, C., Luithle, J., Mahaffey, K., Turakhia, M., Dash, et al
OXFORD UNIV PRESS.2021: 3177
- **It's Time to Rethink (and Retrial) Our Framework for Stroke Prevention in Atrial Fibrillation.** *JAMA cardiology*
Turakhia, M. P.
2021
- **Feasibility Of An Asynchronous, Semi-Automated Remote Patient Monitoring Blood Pressure Management System**
Sarraf, A., Babakhanian, M., Szeto, I., Seninger, C., Chang, T., Bhalla, V., Downing, L., Rodriguez, F., Turakhia, M., Wang, P. J.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Outpatient Prescription Practices in Patients with Atrial Fibrillation (From the NCDR PINNACLE Registry).** *The American journal of cardiology*
Hsu, J. C., Reynolds, M. R., Song, Y., Doros, G., Lubitz, S. A., Gehi, A. K., Turakhia, M. P., Maddox, T. M.
2021
- **Competing Risks, Treatment Switching, and Informative Censoring.** *JAMA cardiology*
Thomas, L. E., Turakhia, M. P., Pencina, M. J.
2021
- **Smart wearable devices in cardiovascular care: where we are and how to move forward.** *Nature reviews. Cardiology*
Bayoumy, K., Gaber, M., Elshafeey, A., Mhaimeed, O., Dineen, E. H., Marvel, F. A., Martin, S. S., Muse, E. D., Turakhia, M. P., Tarakji, K. G., Elshazly, M. B.
2021
- **2021 ISHNE / HRS / EHRA / APHRS Collaborative Statement on mHealth in Arrhythmia Management: Digital Medical Tools for Heart Rhythm Professionals: From the International Society for Holter and Noninvasive Electrocardiology / Heart Rhythm Society / European Heart Rhythm Association / Asia Pacific Heart Rhythm Society.** *European heart journal. Digital health*
Varma, N., Cygankiewicz, I., Turakhia, M., Heidbuchel, H., Hu, Y., Chen, L. Y., Couderc, J. P., Cronin, E. M., Estep, J. D., Grieten, L., Lane, D. A., Mehra, R., Page, et al
2021; 2 (1): 7-48
- **2021 ISHNE/HRS/EHRA/APHRS collaborative statement on mHealth in Arrhythmia Management: Digital Medical Tools for Heart Rhythm Professionals From the International Society for Holter and Noninvasive Electrocardiology/Heart Rhythm Society/European Heart Rhythm Association/Asia Pacific Heart Rhythm Society** *JOURNAL OF ARRHYTHMIA*
Varma, N., Cygankiewicz, I., Turakhia, M., Heidbuchel, H., Hu, Y., Chen, L., Couderc, J., Cronin, E. M., Estep, J. D., Grieten, L., Lane, D. A., Mehra, R., Page, et al
2021
- **Research Priorities in Atrial Fibrillation Screening: A Report From a National Heart, Lung, and Blood Institute Virtual Workshop.** *Circulation*
Benjamin, E. J., Go, A. S., Desvigne-Nickens, P., Anderson, C. D., Casadei, B., Chen, L. Y., Crijns, H. J., Freedman, B., Hills, M. T., Healey, J. S., Kamel, H., Kim, D., Link, et al
2021; 143 (4): 372-88
- **Guideline-Concordant Antiarrhythmic Drug Use in the Get With The Guidelines: Atrial Fibrillation Registry.** *Circulation. Arrhythmia and electrophysiology*
Field, M. E., Holmes, D. N., Page, R. L., Fonarow, G. C., Matsouaka, R. A., Turakhia, M. P., Lewis, W. R., Piccini, J. P.
2021
- **Patterns of Care for Atrial Fibrillation Before, During, and at Discharge from Hospitalization: From the Get with The Guidelines - Atrial Fibrillation Registry.** *Circulation. Arrhythmia and electrophysiology*

- Desai, N. R., Sciria, C. T., Zhao, X. n., Piccini, J. P., Turakhia, M. P., Matsouaka, R. n., Fonarow, G. C., Lewis, W. R.
2021
- **Cardiovascular Procedural Deferral and Outcomes over COVID-19 Pandemic Phases: A Multi-Center Study.** *American heart journal*
Yong, C. M., Spinelli, K. J., Chiu, S. T., Jones, B., Penny, B., Gummidipundi, S., Beach, S., Perino, A., Turakhia, M., Heidenreich, P., Gluckman, T. J.
2021
 - **Direct Oral Anticoagulant Adherence of Patients With Atrial Fibrillation Transitioned from Warfarin.** *Journal of the American Heart Association*
Pundi, K. N., Perino, A. C., Fan, J., Schmitt, S., Kothari, M., Szummer, K., Askari, M., Heidenreich, P. A., Turakhia, M. P.
2021: e020904
 - **Evaluation of Quality of Care for US Veterans With Recent-Onset Heart Failure With Reduced Ejection Fraction.** *JAMA cardiology*
Sandhu, A. T., Kohsaka, S., Turakhia, M. P., Lewis, E. F., Heidenreich, P. A.
2021
 - **Factors indicating intention to vaccinate with a COVID-19 vaccine among older U.S. adults.** *PloS one*
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2021; 16 (5): e0251963
 - **Combining Clinical and Polygenic Risk Improves Stroke Prediction Among Individuals with Atrial Fibrillation.** *Circulation. Genomic and precision medicine*
O'Sullivan, J. W., Shcherbina, A., Justesen, J. M., Turakhia, M., Perez, M., Wand, H., Tcheandjieu, C., Clarke, S. L., Rivas, M. A., Ashley, E. A.
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 - **Association of kidney function and atrial fibrillation progression to clinical outcomes in patients with cardiac implantable electronic devices.** *American heart journal*
Szummer, K., Perino, A. C., Fan, J., Kothari, M., Turakhia, M. P.
2021
 - **Sex Differences in Ablation Strategy, Lesion Sets, and Complications of Catheter Ablation for Atrial Fibrillation: An Analysis From the GWTG-AFIB Registry.** *Circulation. Arrhythmia and electrophysiology*
Yunus, F. N., Perino, A. C., Holmes, D. N., Matsouaka, R. A., Curtis, A. B., Ellenbogen, K. A., Frankel, D. S., Knight, B. P., Russo, A. M., Lewis, W. R., Piccini, J. P., Turakhia, M. P.
2021: CIRCEP121009790
 - **Arrhythmias Other Than Atrial Fibrillation in Those With an Irregular Pulse Detected With a Smartwatch: Findings From the Apple Heart Study.** *Circulation. Arrhythmia and electrophysiology*
Perino, A. C., Gummidipundi, S. E., Lee, J., Hedlin, H., Garcia, A., Ferris, T., Balasubramanian, V., Gardner, R. M., Cheung, L., Hung, G., Granger, C. B., Kowey, P., Rumsfeld, et al
2021: CIRCEP121010063
 - **2021 ISHNE/HRS/EHRA/APHRS Collaborative Statement on mHealth in Arrhythmia Management: Digital Medical Tools for Heart Rhythm Professionals: From the International Society for Holter and Noninvasive Electrocardiology/Heart Rhythm Society/European Heart Rhythm Association/Asia Pacific Heart Rhythm Society.** *Cardiovascular digital health journal*
Varma, N., Cyankiewicz, I., Turakhia, M. P., Heibuchel, H., Hu, Y., Chen, L. Y., Couderc, J. P., Cronin, E. M., Estep, J. D., Grieten, L., Lane, D. A., Mehra, R., Page, et al
2021; 2 (1): 4-54
 - **HRS White Paper on Clinical Utilization of Digital Health Technology.** *Cardiovascular digital health journal*
Wan, E. Y., Ghanbari, H., Akoum, N., Itzhak Attia, Z., Asirvatham, S. J., Chung, E. H., Dagher, L., Al-Khatib, S. M., Stuart Mendenhall, G., McManus, D. D., Pathak, R. K., Passman, R. S., Peters, et al
2021; 2 (4): 196-211
 - **Why digital health trials can fail: Lessons learned from a randomized trial of health coaching and virtual cardiac rehabilitation.** *Cardiovascular digital health journal*
Olivier, C. B., Middleton, S. K., Purington, N., Shashidhar, S., Hereford, J., Mahaffey, K. W., Turakhia, M. P.
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