




Maame Yaa A. B. Yiadom

Associate Professor of Emergency Medicine (Adult Clinical/Academic)

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Dr. Yiadom is an Associate Professor of Emergency Medicine at Stanford University, leader, and researcher with expertise in clinical operations, care delivery, and strategic care delivery re-engineering. Her leadership involves finding value-generating opportunities to use routinely collected clinical data to inform more precise decision-making in clinical care delivery. This work involves the study, strategic deployment, and iterative redesign of novel care delivery pathway including digital health and artificial intelligence.

Dr. Yiadom was first trained in health care policy in Princeton University's School of Public and International Affairs. She subsequently worked as a healthcare industry management consultant here in New York City for CSC Global Health Solutions Group, and was the Dean's Office Chief of Staff at Drexel Medical School in Philadelphia. She completed her medical education at Robert Wood Johnson Medical School, a Masters in Public Health (MPH) at Harvard with additional health policy training from Johns Hopkins. She subsequently did residency at Mass General and Brigham and Women's Hospitals' Harvard affiliated program, and completed a Masters of Science in Clinical Investigation (MSCI) at Vanderbilt University.

She is the Principal Investigator for the Stanford Emergency Care Health Services Research Data Coordinating Center (HSR-DCC). Her research focuses on applications of evidence-based medicine to optimize clinical operations to target patient pathophysiology for time-sensitive conditions. STEMI is her prototype disease. Her group's primary methodologies include clinical practice epidemiology, workflow variability analysis, and clinically applied artificial intelligence. Current work includes refining clinical process, using informatics to support evidence-based practice, and performance measurement to identify real-world care improvement opportunities. This research is supported by the National Heart Lung and Blood Institute (NHLBI), and ED Benchmarking Alliance. The lab website is: <https://yiadom-hsrdcc.com>

Dr. Yiadom is also the Founding Director of the Emergency Department Operations Study Group (EDOSG), and on the Board of Directors for the Emergency Department Benchmarking Alliance (EDBA).

CLINICAL FOCUS

- Emergency Medicine
- Clinical Operations
- Evidence-based clinical practice
- Time-sensitive emergency care delivery
- Health System Operations

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Emergency Medicine

PROFESSIONAL EDUCATION

- Medical Education: Rutgers Robert Wood Johnson Medical School (2007) NJ
- MPH, Harvard School of Public Health , Population Health (2007)
- Residency: Harvard Affiliated Emergency Medicine (2011) MA
- Board Certification: Emergency Medicine, American Board of Emergency Medicine (2012)
- MSCI, Vanderbilt University , Clinical Investigation (2018)

LINKS

- My Lab's Website: <https://yiadom-hsrdcc.com/>

Research & Scholarship

CLINICAL TRIALS

- Discharge Follow-up Phone Call Program, Not Recruiting

Publications

PUBLICATIONS

- **Value of diversity characteristics in predictive modeling: ACS screening as a case study.** *NPJ cardiovascular health*
Bunney, G., Miller, K., Ryu, K., Kabeer, R., Graber-Naidich, A., Pasao, M. A., Rizvi, M., Yiadom, M. Y.
2025; 2 (1): 52
- **Adoption of Boarding in Inpatient Hallways During Emergency Department Crowding.** *Annals of emergency medicine*
Franklin, B. J., Shen, S. H., Parekh, V. I., Kelen, G. D., High, H., Yiadom, M. Y., Lee, M. O., Ribeira, R., Kapadia, N., Newman, J. S., Bann, M., Fogerty, R. L., Wang, et al
2025
- **In vitro to in vivo translation of artificial intelligence for clinical use: screening for acute coronary syndrome to identify ST-elevation myocardial infarction.** *Journal of the American Medical Informatics Association : JAMIA*
Bunney, G., Miller, K., Graber-Naidich, A., Kabeer, R., Bloos, S. M., Wessels, A. J., Pasao, M. A., Rizvi, M., Brown, I. P., Yiadom, M. Y.
2025
- **Stanford Emergency Medicine Partnership Program: a novel approach to streamlining the evaluation and implementation of emerging health technologies through academic-industry partnerships** *BMJ INNOVATIONS*
Dayton, J., Yiadom, M. B., Shen, S., Strehlow, M. C., Rose, C., Bunney, G., Ribeira, R.
2024
- **Shorter Door-to-ECG Time Is Associated with Improved Mortality in STEMI Patients.** *Journal of clinical medicine*
Yiadom, M. Y., Gong, W., Bloos, S. M., Bunney, G., Kabeer, R., Pasao, M. A., Rodriguez, F., Baugh, C. W., Mills, A. M., Gavin, N., Podolsky, S. R., Salazar, G. A., Patterson, et al
2024; 13 (9)

- **Changes in low-acuity patient volume in an emergency department after launching a walk-in clinic.** *Journal of the American College of Emergency Physicians open*
Kurian, D., Sundaram, V., Naidich, A. G., Shah, S. A., Ramberger, D., Khan, S., Ravi, S., Patel, S., Ribeira, R., Brown, I., Wagner, A., Gharahbhagian, L., Miller, et al
2023; 4 (4): e13011
- **Maximizing Equity in Acute Coronary Syndrome Screening across Sociodemographic Characteristics of Patients.** *Diagnostics (Basel, Switzerland)*
Bunney, G., Bloos, S. M., Graber-Naidich, A., Pasao, M. A., Kabeer, R., Kim, D., Miller, K., Yiadom, M. Y.
2023; 13 (12)
- **Variation in ACS patient hospital resource utilization: Is it time for advanced NSTEMI risk stratification in the ED?** *The American journal of emergency medicine*
Saxena, M., Bloos, S. M., Graber-Naidich, A., Sundaram, V., Pasao, M., Yiadom, M. Y.
2023; 70: 171-174
- **Strategies to Mitigate Emergency Department Crowding and Its Impact on Cardiovascular Patients.** *European heart journal. Acute cardiovascular care*
Baugh, C. W., Freund, Y., Steg, P. G., Body, R., Maron, D. J., Yiadom, M. Y.
2023
- **Beyond chest pain: Incremental value of other variables to identify patients for an early ECG.** *The American journal of emergency medicine*
Bunney, G., Sundaram, V., Graber-Naidich, A., Miller, K., Brown, I., McCoy, A. B., Freeze, B., Berger, D., Wright, A., Yiadom, M. Y.
2023; 67: 70-78
- **Fallacy of Median Door-to-ECG Time: Hidden Opportunities for STEMI Screening Improvement.** *Journal of the American Heart Association*
Yiadom, M. Y., Gong, W., Patterson, B. W., Baugh, C. W., Mills, A. M., Gavin, N., Podolsky, S. R., Salazar, G., Mumma, B. E., Tanski, M., Hadley, K., Azzo, C., Dorner, et al
2022; 11 (9): e024067
- **Pragmatic clinical trial design in emergency medicine: study considerations and design types.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Gettel, C. J., Yiadom, M. Y., Bernstein, S. L., Grudzen, C. R., Nath, B., Li, F., Hwang, U., Hess, E. P., Melnick, E. R.
2022
- **ECG to Activation: Not an Appropriate Physician Metric, but a Worthy Process Metric.** *The Journal of emergency medicine*
Berger, D. A., Yiadom, M. Y.
1800; 62 (1): 129-130
- **Understanding timely STEMI treatment performance: A 3-year retrospective cohort study using diagnosis-to-balloon-time and care subintervals.** *Journal of the American College of Emergency Physicians open*
Yiadom, M. Y., Olubowale, O. O., Jenkins, C. A., Miller, K. F., West, J. L., Vogus, T. J., Lehmann, C. U., Antonello, V. D., Bernard, G. R., Storrow, A. B., Lindsell, C. J., Liu, D.
2021; 2 (1): e12379
- **Comparing the Timeliness of Treatment in Younger vs. Older Patients with ST-Segment Elevation Myocardial Infarction: A Multi-Center Cohort Study.** *The Journal of emergency medicine*
Bloos, S. M., Kaur, K. n., Lang, K. n., Gavin, N. n., Mills, A. M., Baugh, C. W., Patterson, B. W., Podolsky, S. R., Salazar, G. n., Mumma, B. E., Tanski, M. n., Hadley, K. n., Roumie, et al
2021
- **Managing and Measuring Emergency Department Care: Results of the Fourth Emergency Department Benchmarking Definitions Summit** *Academic Emergency Medicine*
Yiadom, M. A.
2020; 27 (7): 600-611
- **Potential impact of cardiology phone-consultation for patients risk-stratified by the HEART pathway.** *Clinical and experimental emergency medicine*
Monahan, K., Pan, M., Opara, C., Yiadom, M. Y., Munoz, D., Holmes, B. B., Stephen, D., Swiger, K. J., Collins, S. P.
2019; 6 (3): 196-203

- **Measuring outcome differences associated with STEMI screening and diagnostic performance: a multicentred retrospective cohort study protocol.** *BMJ open*
Yiadom, M. Y., Mumma, B. E., Baugh, C. W., Patterson, B. W., Mills, A. M., Salazar, G., Tanski, M., Jenkins, C. A., Vogus, T. J., Miller, K. F., Jackson, B. E., Lehmann, C. U., Dorner, et al
2018; 8 (5): e022453
- **Measuring Emergency Department Acuity.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Yiadom, M. Y., Baugh, C. W., Barrett, T. W., Liu, X., Storrow, A. B., Vogus, T. J., Tiwari, V., Slovis, C. M., Russ, S., Liu, D.
2018; 25 (1): 65-75
- **Change in Care Transition Practice for Patients With Nonspecific Chest Pain After Emergency Department Evaluation 2006 to 2012** *ACADEMIC EMERGENCY MEDICINE*
Yiadom, M. B., Baugh, C. W., Jenkins, C. A., Collins, S. P., Bhatia, M. C., Dittus, R. S., Storrow, A. B.
2017; 24 (12): 1527-1530
- **Acute Coronary Syndrome Screening and Diagnostic Practice Variation.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Yiadom, M. Y., Liu, X., McWade, C. M., Liu, D., Storrow, A. B.
2017; 24 (6): 701-709
- **Performance of Emergency Department Screening Criteria for an Early ECG to Identify ST-Segment Elevation Myocardial Infarction.** *Journal of the American Heart Association*
Yiadom, M. Y., Baugh, C. W., McWade, C. M., Liu, X., Song, K. J., Patterson, B. W., Jenkins, C. A., Tanski, M., Mills, A. M., Salazar, G., Wang, T. J., Dittus, R. S., Liu, et al
2017; 6 (3)
- **Documentation of HEART score discordance between emergency physician and cardiologist evaluations of ED patients with chest pain.** *The American journal of emergency medicine*
Wu, W. K., Yiadom, M. Y., Collins, S. P., Self, W. H., Monahan, K.
2017; 35 (1): 132-135
- **Implementing Data Definition Consistency for Emergency Department Operations Benchmarking and Research.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Yiadom, M. Y., Scheulen, J., McWade, C. M., Augustine, J. J.
2016; 23 (7): 796-802
- **Consensus statement on advancing research in emergency department operations and its impact on patient care.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Yiadom, M. Y., Ward, M. J., Chang, A. M., Pines, J. M., Jouriles, N., Yealy, D. M.
2015; 22 (6): 757-64
- **Diagnostic implications of an elevated troponin in the emergency department.** *Disease markers*
Yiadom, M. Y., Jarolim, P., Jenkins, C., Melanson, S. E., Conrad, M., Kosowsky, J. M.
2015; 2015: 157812
- **Emergency Department Treatment of Acute Coronary Syndromes** *EMERGENCY MEDICINE CLINICS OF NORTH AMERICA*
Yiadom, M. B.
2011; 29 (4): 699-+
- **Acute Coronary Syndrome Clinical Presentations and Diagnostic Approaches in the Emergency Department** *EMERGENCY MEDICINE CLINICS OF NORTH AMERICA*
Yiadom, M. B.
2011; 29 (4): 689-+
- **Management strategies for patients with low-risk chest pain in the emergency department.** *Current treatment options in cardiovascular medicine*
Yiadom, M. Y., Kosowsky, J. M.
2011; 13 (1): 57-67
- **Influence of time-to-diagnosis on time-to-percutaneous coronary intervention for emergency department ST-elevation myocardial infarction patients: Time-to-electrocardiogram matters.** *Journal of the American College of Emergency Physicians open*

- Yiadom, M. Y., Gong, W., Patterson, B. W., Baugh, C. W., Mills, A. M., Gavin, N., Podolsky, S. R., Mumma, B. E., Tanski, M., Salazar, G., Azzo, C., Dorner, S. C., Hadley, et al
2024; 5 (3): e13174
- **2023 Society for Academic Emergency Medicine Consensus Conference on Precision Emergency Medicine: Development of a policy-relevant, patient-centered research agenda.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
Strehlow, M., Gisondi, M. A., Caretta-Weyer, H., Ankel, F., Brackett, A., Brar, P., Chan, T. M., Garabedian, A., Gunn, B., Isaacs, E., von Isenburg, M., Jarman, A., Kuehl, et al
2024
 - **Trends of Academic Faculty Identifying as Hispanic at US Medical Schools, 1990-2021.** *Journal of graduate medical education*
Saxena, M. R., Ling, A. Y., Carrillo, E., Alvarez, A., Yiadom, M. Y., Bennett, C. L., Gallegos, M.
2023; 15 (2): 175-179
 - **Effectiveness, safety, and efficiency of a drive-through care model as a response to the COVID-19 testing demand in the United States.** *Journal of the American College of Emergency Physicians open*
Ravi, S., Graber-Naidich, A., Sebok-Syer, S. S., Brown, I., Callagy, P., Stuart, K., Ribeira, R., Gharahbaghian, L., Shen, S., Sundaram, V., Yiadom, M. Y.
2022; 3 (6): e12867
 - **Three decades of demographic trends among academic emergency physicians.** *Journal of the American College of Emergency Physicians open*
Cleveland Manchanda, E. C., Ling, A. Y., Bottcher, J. L., Marsh, R. H., Brown, D. F., Bennett, C. L., Yiadom, M. Y.
2022; 3 (4): e12781
 - **Converting an ED Fast Track to an ED Virtual Visit Track** *NEJM Catalyst Innovations in Care Delivery*
Ashenburg, N., Ribeira, R., Lindquist, B., Matheson, L., Shen, S., Yiadom, M.
2022; 3 (11)
 - **OPERATIONALIZING A PANDEMIC-READY, TELEMEDICINE-ENABLED DRIVE-THROUGH AND WALK-IN CORONAVIRUS DISEASE GARAGE CARE SYSTEM AS AN ALTERNATIVE CARE AREA: A NOVEL APPROACH IN PANDEMIC MANAGEMENT** *JOURNAL OF EMERGENCY NURSING*
Callagy, P., Ravi, S., Khan, S., Yiadom, M. B., McClellan, H., Snell, S., Major, T. W., Yefimova, M.
2021; 47 (5): 721-732
 - **Examining Parity among Black and Hispanic Resident Physicians.** *Journal of general internal medicine*
Bennett, C. L., Yiadom, M. Y., Baker, O. n., Marsh, R. H.
2021
 - **Impact of a Follow-up Telephone Call Program on 30-Day Readmissions (FUTR-30): A Pragmatic Randomized Controlled Real-world Effectiveness Trial.** *Medical care*
Yiadom, M. Y., Domenico, H. J., Byrne, D. W., Hasselblad, M., Kripalani, S., Choma, N., Tucker-Marlow, S., Gatto, C. L., Wang, L., Bhatia, M. C., Morrison, J., Harrell, F. E., Hartert, et al
2020; 58 (9): 785-792
 - **Public Health Rationale for Investments in Emergency Medicine in Developing Countries - Ghana as a Case Study.** *The Journal of emergency medicine*
Yiadom, M. Y., McWade, C. M., Awoonor-Williams, K., Appiah-Denkyira, E., Moresky, R. T.
2018; 55 (4): 537-543
 - **Randomised controlled pragmatic clinical trial evaluating the effectiveness of a discharge follow-up phone call on 30-day hospital readmissions: balancing pragmatic and explanatory design considerations.** *BMJ open*
Yiadom, M. Y., Domenico, H., Byrne, D., Hasselblad, M. M., Gatto, C. L., Kripalani, S., Choma, N., Tucker, S., Wang, L., Bhatia, M. C., Morrison, J., Harrell, F. E., Hartert, et al
2018; 8 (2): e019600
 - **Diagnostic Utility of Neuregulin for Acute Coronary Syndrome.** *Disease markers*
Yiadom, M. Y., Greenberg, J., Smith, H. M., Sawyer, D. B., Liu, D., Carlise, J., Tortora, L., Storrow, A. B.
2016; 2016: 8025271
 - **CLOPIDOGREL USE IN ST-ELEVATION MYOCARDIAL INFARCTION (STEMI)** *JOURNAL OF EMERGENCY MEDICINE*
Yiadom, M. B.

2010; 39 (2): 217-218

- **Efficacy of ShotBlocker in reducing pediatric pain associated with intramuscular injections**

Drago, L. A., Singh, S. B., Douglass-Bright, A., Yiadom, M., Baumann, B. M.

W B SAUNDERS CO-ELSEVIER INC.2009: 536-543

- **Pneumothorax in a blunt trauma patient** *JOURNAL OF EMERGENCY MEDICINE*

Yiadom, M. B., Platz, E., Brown, D. F. M., Nadel, E. S.

2008; 35 (2): 199-203