

PATRICK J. DUNN, PH.D., M.S., M.B.A.

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PREVENTION / DISEASE MANAGEMENT/QUALITY/ HEALTH LITERACY/BIOSTATISTICS/ QUALITATIVE RESEARCH

Experienced professional in cardiovascular prevention, chronic disease management, quality and wellness; Conceived and developed successful businesses, products, and self-sufficient wellness programs to support healthcare and business strategy; Engaged in research and outcomes management activities; published successful outcomes. Conducted qualitative study using grounded theory, and provides statistics support through the Walden University Academic Skills Center

- **Dissertation: Understanding health literacy skills in patients with cardiovascular disease and diabetes, 2015**
- **Chairman, Community Leadership Board, American Diabetes Association, North Texas, 2010**
- **Project Lead, Cardiac Rehabilitation and Data Licensing Business Models Project, American Heart Association, 2010**
- **Project Lead, Transforming Diabetes Care, Dallas Fort Worth Business Group on Health, 2009**
- **Texas Award for Performance Excellence Examiner and successful Achievement (2010) and Progress Level Award, 2008**
- **Created Trinity Mother Frances Regional Wellness/Cardiac Rehabilitation Program, seeing 5000 patients in three years**

Key Skills: Recognized for innovative and analytical skills associated with program design; successfully implemented prevention and intervention programs; effective at dealing with physicians, professional staff, patients and public advocacy groups; exceptional moderator and team player, easily winning people's confidence.

SELECTED ACCOMPLISHMENTS AND CAREER HISTORY

- 2013-Present:** **Senior Program Manager, Center for Health Technology and Innovation,** American Heart Association, leading connected health and post-acute strategies, including cardiac rehabilitation, heart failure, stroke and hypertension initiative. Primary responsibilities include working with AHA science volunteers in the translation of AHA guidelines into patient focused CarePlans that are delivered through technology platforms.
- 2014-Present** **Contributing faculty, School of Health Sciences and Instructional Support Specialist,** Walden University, Academic Skills Center. Teaches biostatistics and provides individual tutoring for doctoral students, develops resources and conducts webinars on statistics, biostatistics, and SPSS.
- 2008-:** **Founder and President,** Your Heart Score, LLC. Your Heart Score provides education and coaching for individuals and consulting and medical writing for organizations, focusing on the dedication to the prevention, detection and evaluation of heart disease, diabetes, and the metabolic syndrome.
- 2008-2013:** **Director, Information Strategy and Performance Excellence,** Medical Center of Lewisville. Prepared TAPE document and led quality improvement initiatives resulting in >90th%ile for AMI, Heart Failure, Pneumonia and SCIP Core Measure scores. Developed new data management system, including OPPE and created unit specific dashboards.
- 2007-2008** **Vice President, Corporate and Direct to Consumer,** Medical Edge Healthcare Group, a \$300M, 400-physician group. Led prevention program for heart disease, diabetes, obesity and related conditions. Developed multimedia (internet, phone and live) programs and resources for employers and physicians.
- 2005-2007** **Director of Cardiovascular Development,** Las Colinas Medical Center, 2005 to 2007. Led initiative to achieve chest pain accreditation and developed full service cardiovascular program.
- 2001-2005** **Director of Prevention,** Rehab and Data management, Community Healthcare System, a \$900M+,three-hospital healthcare system. Managed staff of 20 and \$500K budget for Cardiac Rehabilitation, Lipid Clinic, Heart Failure Clinic and Diabetes Center. Developed and managed cardiovascular research program. Created program supported using Six Sigma methodology.
- 1998-2001** **Executive Director,** New Heart, Inc./Hearts and Minds, Led effort to bring telemedicine program and cardiovascular screening program to market with two companies specializing in cardiac rehabilitation. Managed 15 staff and \$1.3M budget. Developed a telemedicine and cardiovascular screening program. Contracted with local hospitals to provide inpatient and outpatient cardiac rehabilitation services.
- 1997-1998** **Vice President, Business Development,** Berkeley HeartLab. Participated in the start up of a lab that specializes in lipoprotein and genetic research; developed a Turnkey Lipid Clinic/Disease Mgt. program.
- 1994-1997** **Director Wellness,** Trinity Mother Frances Healthcare System. Developed and managed a full service hospital based wellness center. Became highest volume cardiac rehabilitation program in the nation. Evaluated existing programs and developed wellness program. Implemented a high volume cardiac rehabilitation program, an advanced lipid clinic, a comprehensive corporate wellness program and a fitness center.
- 1986-1994** **Clinical exercise physiologist (Program Director, beginning in 1991,** St. Catherine Hospital. Provided inpatient and outpatient cardiac rehabilitation in a full-services cardiovascular program.

EDUCATION

- 2015:** Ph.D. in Public Health – Community Health Education, Walden University, Minneapolis, MN
- 1991:** Master of Business Administration – Business and Economics, Indiana University, Gary, IN
- 1986:** Master of Science – School of Education, Purdue University, West Lafayette, IN
- 1985:** Bachelor of Science in Education, University of Dayton, Dayton, OH
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PUBLICATIONS

- 2017:** Dunn, P., Margaritis, V., & Anderson, C. Use of grounded theory in cardiovascular research. *The Qualitative Report*. 2016, 16(1). In press.
- 2017:** Dunn, P., Margaritis, V., & Anderson, C. Understanding health literacy skills in patients with cardiovascular disease and diabetes. *The Qualitative Report*. 2016, 16(1). In press.
- 2016** Dunn, P., & Milheim, K. Enhancing informal patient education in nursing practice: A review of literature, *Journal of Nursing Education and Practice*. 2016, 7(2). 18.
- 2016:** Kenneth Dodd, MD, Amy Berman, BS, RN, Jeremy Brown, MD, Brendan Carr, MD, Patrick Dunn, PhD., Marcus Escobeco, MPA, Christopher Gayer, PhD, Mira Grieser, MHS, Christopher Carpenter, MD, Erik Hess, MD, Corita Grudzen, MD. Funding research in emergency department shared decision making: A summary of the 2016 Academic Emergency Medicine Consensus Conference panel discussion, *Academic Emergency Medicine*, 2016, 10.1111/acem.13063.
- 2016:** Edward R. Melnick, MD, MHS, Marc A. Probst, MD, MS, Elizabeth Schoenfeld, MD, Sean P. Collins, MD, MSc, Maggie Breslin, MDes, Cheryl Walsh, Nathan Kuppermann, MD, MPH, Pat Dunn, PhD, MS, MBA, Benjamin S. Abella, MD, MPhil, Dowin Boatright, MD, MBA, Erik P. Hess, MD, MSc. Development and testing of shared decision-making interventions for use in emergency care: A research agenda, *Academic Emergency Medicine*, 2016, doi:10.1111/acem.13045.
- 2016:** Rebecca Blackwell, PhD., Donna Carden, MD, Erik Hess, MD, Juanita Booke-Vaughns, Patrick Dunn, PhD, Constance Kizzie-Gillett, Bill Vaughn, Gail Weingarten, MA, Pluscedia Williams Angela Young-Brinn, MBA, Corita Grudzen, MD. Adapting conceptual frameworks for patient engagement in emergency department research, *Academic Emergency Medicine*, 2016, doi: 10.1111/acem.13066.
- 2016:** Zubin Eapen, Mintu Turakhia, Michael McConnell, Garth Graham, Patrick Dunn, Colby Tiner, Carlo Rich, Robert Harrington, Eric D. Peterson, and Patrick Wayte. Defining an mHealth Roadmap for Cardiovascular Health and Disease, *Journal of the American Heart Association*, 2016, Jul 12;5(7). pii: e003119. doi: 10.1161/JAHA.115.003119.
- 2016:** Dunn, P. Matching instructional strategies with learning needs in the development of health literacy and numeracy skills, *Medical Encounter*, 2016, in review.
- 2016** Gregory J. Fermann, MD, Phillip D. Levy, MD, Peter Pang, MD, Javed Butler, MD, Douglas Char, MD, Pat Dunn, Mira Grieser, MHS, Cathy Jenkins, MS, Christy Kampe, Yosef Khan, JoAnn Lindenfeld, MD, Dandan Liu, PhD, Karen Miller, RN, W. Frank Peacock, MD, Chad Robichaux, Russell Rothman, MD, Jon Schrock, MD, Adam Singer, MD, Sarah Sterling, MD, Cheryl Walsh, Sean P. Collins, MD, MSc. Design and Rationale of a Randomized Trial of a Care Transition in Patients with Acute Heart Failure Discharged from the Emergency Department: GUIDED-HF. *Journal of the American College of Cardiology*. In review.
- 2015:** Dissertation: Understanding health literacy skills in patients with cardiovascular disease and diabetes
Chairman: Vasileios Margaritis; Committee member: Cheryl Anderson
- 2013:** Dunn, P., Crawford, J., Amos, D., Beamon, S., & Keithley, J. (2013). American Heart Association multicultural high blood pressure program. Poster presentation at Community Health Institute and Expo, August 23, 2013 Chicago, IL.
- 2011:** Courtney, M, Conard, S. E., Dunn, P, & Scarborough, K. (2011). The Game of Health: An innovative lifestyle change program implemented in a family practice. *Journal of the American Academy of Nurse Practitioners*, 23, 289-297. DOI: 10.1111/j.1745-7599.2011.00604.x.
- 2007:** Gambetta, M., Dunn, P., Nelson, D., Herron, B., & Arena, R. (2007). Impact of the implementation of telemanagement on a disease management program in an elderly heart failure cohort. *Progress in cardiovascular nursing*, 22 (4), 196-200. DOI: 10.1111/j.0889-7204.2007.06483.x
- 2007:** Patrick Dunn, Miguel Gambetta, Dawn Nelson, Bobbi Herron, Community Health Care System, Munster and Hobart Indiana. Ross Arena, Virginia Commonwealth University, Richmond, VA. Reduction of B-Type

Natriuretic Peptide using Telemanagement in Patients with Heart Failure. Heart Failure Society of America, Washington DC, Journal of Chronic Heart Failure, 2007.

- 2006:** Dunn P, Gambetta M, Nelson D, Herron B, Arena R. Relationship between Brain Natriuretic Peptide and Heart Failure Symptoms. Heart Failure Society of America, Seattle, WA, Journal of Chronic Heart Failure, 2006.
- 2006:** Gambetta M, Nelson D, Dunn P, Arena R. Relationship between pulmonary auscultation and brain natriuretic peptide in patients with heart failure. Presentation at American Association of Cardiovascular and Pulmonary Rehabilitation Annual Meeting, Charleston, WV. Journal of Cardiopulmonary Rehabilitation, Sept/Oct. 2006.
- 2006:** Gambetta M, Nelson D, Dunn P, Arena R. Brain Natriuretic Peptide is a Predictor of Thirty Day Hospital Admission in Patients Enrolled in a Collaborative Care Heart Failure Treatment Program. Presentation at American Association of Cardiovascular and Pulmonary Rehabilitation Annual Meeting, Charleston, WV. Journal of Cardiopulmonary Rehabilitation, Sept/Oct. 2006.
- 2006:** Dunn P, Petty K, Hardisty J, Conard S, Reneau J, Arena R. The prevalence of cardiovascular risk factors among cardiac and non-cardiac hospital Admissions. *Medicine and Science in Sports and Exercise*. 2006;38:S428.
- 2005:** Gambetta, M, Dunn, P, Arena, R. Effect of a Comprehensive Cardiac Rehabilitation Program on Cardiac-Related Events in a Female Cohort, Journal of Cardiopulmonary Rehabilitation, Sept/Oct, 2005.
- 2005:** Gambetta, M, Dunn, P, Arena, R. Effect of a Comprehensive Cardiac Rehabilitation Program on Cardiac-Related Events in Subjects of Advanced Age. Journal of Cardiopulmonary Rehabilitation, Sept/Oct, 2005.
- 2004:** Dunn, P, Kolodziej, M, Wasielewski, R, Gambetta, M. Reduction in cardiovascular events and improvement in health status with cardiac rehabilitation following coronary stenting. Journal of Cardiopulmonary Rehabilitation, Sept/Oct, 2004.
- 2004:** Gambetta, M, Lowrance, L, Dunn, P. Reduction in risk and cardiovascular events with a comprehensive cardiovascular disease management program in a diverse, real world program (abstr). 5th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke. 2004. Circulation Online.
- 2004:** Gambetta, M, Nelson, D, Dunn, P. Reduction in hospital readmissions with a collaborative care heart failure treatment program(abstr). 5th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke. 2004. Circulation Online.
- 2004:** Dunn, P, Lowrance, L, Gambetta, M. Cardiac risk assessments for CAD and equivalents. Cardiovascular Health Conference. December 16, 2004, Chicago, IL.
- 2004:** Lowrance, L, Gambetta, M, Dunn, P. Achieving Goals in a Collaborative Care Lipid Clinic. Cardiovascular Health Conference. December 16, 2004, Chicago, IL.
- 2004:** Gambetta, M, Lowrance, L, Dunn, P. Use of advanced diagnostics in real world cardiovascular prevention program. Cardiovascular Health Conference. December 16, 2004, Chicago, IL.
- 2003:** Dunn, P. Cardiac Screening: The first step in prevention. Poster Presentation: American College of Cardiovascular and Pulmonary Rehabilitation Annual Meeting. Kansas City, MO. October 16-17, 2003
- 2003:** Foust, B, Lowrance, L, Gambetta, M and Dunn, P. Treating Family History as a Risk Factor. The Families with Heart Disease Program at St. Catherine Hospital. Preventive Cardiology Nurses Association. San Francisco, CA, February, 2003
- 2002:** Gambetta, M, and Dunn, P. Emerging Risk Factors and Secondary Prevention. Poster Presentation: American College of Cardiovascular and Pulmonary Rehabilitation Annual Meeting. Charlotte, NC. September 26-29, 2002
- 2002:** Gambetta, M, and Dunn, P. Lipid Management in a Cardiac Rehabilitation Setting. Poster Presentation: American College of Cardiovascular and Pulmonary Rehabilitation Annual Meeting. Charlotte, NC. September 26-29, 2002

- 2000:** Dunn, P.J. (2000). Exercise physiology (Chapter 2), In: Clinical Review Book. Lippincott, Williams and Wilkins.
- 1999:** Superko, H.R., & Dunn, P.J. Sophisticated lipid diagnosis and management: The potential for plaque stabilization and regression in a cardiac rehabilitation setting. In Pashkow, F & Defoe, W. Clinical Cardiac Rehabilitation: A cardiologist's guide. Lippincott, Williams and Wilkins.
- 1998:** Dunn PJ, Ryan MJ, Hiebert M. A Strategic and Cost Effective Role for Preventive Cardiology. Journal of Cardiovascular Management, November, 1998.
- 1998:** Dunn PJ, Superko HR, Halbrook MJ, Wilson SW, Hiebert M. Setting Up a Preventive Cardiology Program in the Real World. Journal of Cardiovascular Management, April, 1998.
- 1997:** Dunn, P., Superko, H.R., Meese, R.M., & Williams, P.T. (1997). Cardiovascular risk reduction is cost effective in the real world. American Heart Association, Scientific Sessions, Circulation (abstract and oral presentation).
- 1987:** Melby CL, Dunn PJ, Hyner GC, Sedlock D, Corrigan DL. Correlates of Blood Pressure in Elementary School Children. Journal of School Health, 1987.

Additional publications can be found at https://www.researchgate.net/profile/Patrick_Dunn2

SELECTED PRESENTATIONS

- 2017:** **South By Southwest**, Patient Centric Healthcare: The Future of Health, March 11, 2017, Austin, TX
- 2017:** **Qualitative Report** conference, Understanding health literacy skills in patients with cardiovascular disease and diabetes, January 13, 2017, Ft. Lauderdale, FL
- 2016:** **2016 AACH Research Forum**, Matching instructional strategies with learning needs in the development of health literacy and numeracy skills, June 18, 2016, New Haven, CT.
- 2016:** **Society for Academic Emergency Medicine (SAEM)**, Shared decision making in the emergency department, May 9-10, 2016, New Orleans, LA.
- 2016:** **Qualitative Report** conference, Use of grounded theory in medical research, January 14, 2016, Ft. Lauderdale, FL. <http://nsuworks.nova.edu/tqrc/seventh/day1/31/>
- 2015:** **Patient Centers Primary Care Collaborative** annual conference, [Breakout H: Population Health Management in the Medical Home](#), November 12, 2015, Washington, DC
- 2015:** **Health Information Management Systems Society (HIMSS)** annual conference, Connected heart health – care plans for the management of heart disease and stroke, April 14, 2015 Chicago, IL
- 2015:** **American Telemedicine Association**, Development of science based care plans for post acute care, May 4, 2015, Los Angeles, CA
- 2004:** Emerging Cardiovascular risk factors: Implications and applications for the exercise physiologist. Presented at the **American Society of Exercise Physiologists**. Indianapolis, IN, April 1, 2004
- 1999:** Forget Drugs, the Role of Diet and Exercise in Lipid Management. **Cardiology Mini-Fellowship**, Santa Fe, NM, August, 1999.

RECOGNITION

- 2010:** **Lean Six Sigma Blackbelt**, Acquity Institute
- 2008:** **Healthcare Hero, Innovation**, Dallas Business Journal
- 2004:** **Beginning Investigator Award**, American Association of Cardiovascular and Pulmonary Rehabilitation
- 1988:** **Certified Preventive and Rehabilitative Exercise Specialist**, American College of Sports Medicine

SOCIAL MEDIA PROFILE

LinkedIn: <https://www.linkedin.com/in/yourheartscore>

Twitter: <https://twitter.com/yourheartscore>

Website: <http://yourheartscore.com>