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Personal

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E-Mail: Gregory-Heath@utc.edu
Married: Spouse: Janice Kellogg Heath
Church Affiliation: New City Fellowship (PCA)

Education and Training

1985-1987

Centers for Disease Control and Prevention, Atlanta, Georgia
Behavioral Epidemiology and Evaluation Branch
Epidemic Intelligence Service (EIS) Officer

1977—1979

Washington University School of Medicine, St. Louis, Missouri
Department of Preventive Medicine and Public Health and Department of Medicine
NIH Post-Doctoral Trainee – Applied Physiology

1974—1977

School of Public Health, Loma Linda University, Loma Linda, California
(1977) Doctor of Health Science (DHSc); Physiology and Nutrition
(1977) Master of Public Health (MPH); Epidemiology

1972—1974

University of California, Santa Barbara, California – health sciences

1968—1972

Westmont College, Santa Barbara, California
(1972) Bachelor of Arts (B.A.); Psychology

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Professional Organizations/Certifications:

American College of Sports Medicine (Fellow)
American Heart Association - Council on Epidemiology and Prevention (Fellow);
Council on Lifestyle and Cardiometabolic Health (Fellow)
American Public Health Association – Member (Epidemiology Section)
John Snow Society (Member) – Royal Society for Public Health
International Society for Physical Activity and Health (ISPAH) – Member (2006- present)
Certified Preventive/Rehabilitative Exercise Program Director, American College of Sports
Medicine
Certified Instructor in Basic Cardiac Life Support, Wisconsin Heart Association
Certified Provider in Advanced Cardiac Life Support, American Heart Association
Delta Omega, Kappa Chapter (Honorary Public Health Society)

Employment and Positions Held:

August 1, 2020-present

Guerry Professor Emeritus, Public Health Program
Department of Health and Human Performance
University of Tennessee at Chattanooga
Epidemiologist and Adjunct Professor of Medicine
University of Tennessee Health Science Center, College of Medicine Chattanooga
Chattanooga, Tennessee

December 1, 2018-August 1, 2020

Guerry Professor, Public Health Program
Department of Health and Human Performance
University of Tennessee at Chattanooga
Epidemiologist and Adjunct Professor of Medicine
University of Tennessee Health Science Center, College of Medicine Chattanooga
Chattanooga, Tennessee

July 15, 2015 – December 1, 2018

Guerry Professor and Assistant Vice Chancellor for Research
University of Tennessee at Chattanooga
Research Director and Professor of Medicine
University of Tennessee College of Medicine, Chattanooga
Chattanooga, Tennessee

July 1, 2010 – July 15, 2015

Guerry Professor and Interim Assistant Provost for Research and Engagement
University of Tennessee at Chattanooga
Research Director and Professor of Medicine
University of Tennessee College of Medicine, Chattanooga
Chattanooga, Tennessee

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August 1, 2005 – June 30, 2010

Guerry Professor and Head, Department of Health & Human Performance
University of Tennessee at Chattanooga
Director of Research and Professor of Medicine
University of Tennessee College of Medicine Chattanooga
Chattanooga, Tennessee

October 22, 2000 – July 29, 2005

Lead Health Scientist, Program and Intervention
Physical Activity and Health Branch, K46
Division of Nutrition and Physical Activity
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention, Atlanta, Georgia

January 1, 1999 - October 21, 2000

Epidemiologist, Cardiovascular Health Branch
Division of Adult and Community Health
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention
Atlanta, Georgia

June 1, 1997 - December 31, 1998

Acting Chief, Cardiovascular Health Branch
Division of Adult and Community Health
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention
Atlanta, Georgia

May 1, 1996 - May 31, 1997

Acting Associate Director for Science
Division of Adult and Community Health
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention
Atlanta, Georgia

April 3, 1995 - May 1, 1996

Epidemiologist/Exercise Physiologist
Behavioral Surveillance Branch
Division of Adult and Community Health
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention
Atlanta, Georgia

February 8, 1993 - April 3, 1995

Epidemiologist/Exercise Physiologist
Statistics and Epidemiology Branch
Division of Surveillance and Epidemiology
Epidemiology Program Office and the Disabilities Prevention Program

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Centers for Disease Control and Prevention
Atlanta, Georgia

July 1985 - February 5, 1993

Epidemiologist/Exercise Physiologist
Division of Chronic Disease Control and Community Intervention
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control, Atlanta, Georgia

April 1982 - July 1985

Exercise Physiologist and Program Director, Cardiac Rehabilitation and Preventive Cardiology
Department of Cardiology
Marshfield Clinic, Marshfield, Wisconsin

September 1979 - March 1982

Exercise Physiologist and Program Director, Cardiac Rehabilitation and Exercise Testing,
Erlanger Medical Center, Chattanooga, Tennessee
Instructor, Internal Medicine
University of Tennessee College of Medicine, Chattanooga Unit

July 1977 - September 1979

Postdoctoral Fellow in Applied Physiology and Cardiology
Coordinator, Exercise Program, Cardiac Rehabilitation Unit,
Department of Preventive Medicine and Medicine,
Washington University School of Medicine, St. Louis, Missouri

Additional Faculty Appointments

2013- Present, Adjunct Professor, Department of Public Health, University of Tennessee at Knoxville

1993-2005, Clinical Professor of Physical Therapy, Department of Physical Therapy, North Georgia College and State University, Dahlonega, Georgia

1992-2005, Adjunct Associate Professor, Department of Exercise Science, School of Health and Human Performance, University of Georgia, Athens, Georgia

1989-1993, Senior Clinical Associate, Department of Rehabilitation Medicine, Emory University School of Medicine

1985-1989, Clinical Associate, Division of Cardiology, Department of Medicine, Emory University School of Medicine

1979-1982, Instructor, Department of Medicine, University of Tennessee College of Medicine

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Publications – Books and Book Chapters:

Perez L, Arredondo E, Ding D, and Heath GW. Progress and Opportunities for Advancing Physical Activity Behavior Change in LMICs in: *Physical Activity in Low-and Middle-Income Countries*. Siefken K, Ramirez Varela A, Waqanivalu T, Schulenkorf N (eds.); Routledge, Taylor and Francis Group, 2022.

Ramirez Varela A, Hallal P, Pratt M, et al., on behalf of the Global Observatory for Physical Activity (GoPA!) working group. Global Observatory for Physical Activity (GoPA!): 2nd Physical Activity Almanac. Bogotá, D. C., Colombia: Global Observatory for Physical Activity (GoPA!); ISSN: 2805-6787; 2021. doi:

Dishman RK, Heath GW, Lee IM, Schmidt MD. *Physical Activity Epidemiology, 3rd edition*, Human Kinetics, Champaign, IL, 2021.

Heath GW and Bouchard DR. Physical activity and exercise recommendations for functional health. In: *Exercise and Physical Activity for Older Adults*. Bouchard DR (editor). Human Kinetics, Champaign, IL, 2020

Heath GW (editor). *Physical Activity and Public Health: A Practitioner's Guide*. APHA Press, Washington, D.C., 2019.

Crespo CJ, Wyse R, Conti G, Heath GW. Making Use of Physical Activity Surveillance Data and Tools in Planning, Prioritizing, Implementing, and Evaluating Community- Based Physical Activity Interventions. In: *Physical Activity and Public Health: A Practitioner's Guide*. Heath GW (editor) APHA Press, Washington, D.C., 2019, pp. 33-50.

Brown DR, Morgan J, Day K, Gates S, Heath GW, and Brownson RC. Implementing Physical Activity Interventions in Communities: Considerations for Practitioners. In: *Physical Activity and Public Health: A Practitioner's Guide*. Heath GW (editor) APHA Press, Washington, D.C., 2019, pp. 51-96.

Martin SL, Calise TV, Vick J, Peyer KL, and Heath GW. Evaluating Multifaceted Public Health Initiatives Aimed to Increase Physical Activity. In: *Physical Activity and Public Health: A Practitioner's Guide*. Heath GW (editor) APHA Press, Washington, D.C., 2019, pp. 97-118.

Heath GW. Section Editor: Public Policy and Environmental Supports for Lifestyle Medicine. In: *Lifestyle Medicine, 3rd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2019, pp. 1355-1403.

Hajart AF, Weisser S, Wilkerson GB, and Heath GW. Lifestyle medicine in an era of healthcare reform-seven years of healthcare disruption: 2010-2017. In: *Lifestyle Medicine, 3rd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2019, pp. 1357-1364.

Dodson EA and Heath GW. Policy and environmental supports for physical activity and active living. In: *Lifestyle Medicine, 3rd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2019, pp. 1365-1373.

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Heath GW and Johann JM. Promoting a Physically Active Lifestyle. In: Clinical Exercise Physiology, Fourth Edition. Ehrman JK, Gordon PM, Visich PS, and Keteyian SJ (eds) Human Kinetics, Champaign-Urbana, 2018, pp. 21-32.

Heath, G.W., Liguori, G., 2015. Physical Activity and Health Promotion. In: James D. Wright (editor-in-chief), International Encyclopedia of the Social & Behavioral Sciences, 2nd edition, Vol 18. Oxford: Elsevier. pp. 91–99.

Heath GW. Behavioral approaches to physical activity promotion. In: Clinical Exercise Physiology, Third Edition. Ehrman JK, Gordon PM, Visich PS, and Keteyian SJ (eds) Human Kinetics, Champaign-Urbana, 2013, pp. 17-30.

Heath GW. Section Editor: Public Policy and Environmental Supports for Lifestyle Medicine. In: *Lifestyle Medicine, 2nd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2013, pp. 1533-1568.

Wilkerson GB and Heath GW. Lifestyle medicine in an era of health care reform – 2011. In *Lifestyle Medicine, 2nd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2013, pp. 1533-1537.

Heath GW and Gordon PM. Policy and environmental supports in promoting physical activity and active living. In *Lifestyle Medicine, 2nd Edition*. Rippe JM (editor) CRC Press (Taylor and Francis Group), Boca Raton, 2013, pp. 1539-1544.

Dishman RK, Heath GW, Lee IM. Physical Activity Epidemiology, 2nd edition, Human Kinetics, Champaign, IL, 2013.

Heath GW. Obesity and health: Implications of public policy. In *Obesity: Prevention and Treatment*. Rippe JM and Angelopoulos TJ (eds.) CRC Press (Taylor & Francis Group), Boca Raton, 2012, pp. 211-226.

CDC. Brown DR, Heath GW, SL Martin, (eds). Promoting Physical Activity: A Guide to Community Action, 2nd edition. Human Kinetics, Champaign-Urbana, 2010.

Heath GW. Physical activity epidemiology. In: Exploring Exercise Science. Wilson, Gregory (Ed) McGraw-Hill, NY, NY, 2009, pp. 170-181.

Heath GW. An overview of active living. In: Fitness for a Lifetime: through active living. Fanning WL and Stern W (Eds) Hunter Textbooks, Winston-Salem, NC, 2008, pp. 1-16.

Heath GW. Setting the stage for active living. In: Fitness for a Lifetime: through active living. Fanning WL and Stern W (Eds) Hunter Textbooks, Winston-Salem, NC, 2008, pp. 17-28.

Heath GW. (Moderator): Physical activity and considerations for persons with disabilities. In: Adequacy of Evidence for Physical Activity Guidelines Development. Suitor WC and Kraak VI (Rapporteurs). The Institute of Medicine of the National Academies, National Academies Press, Washington, D.C., 2007, pp. 129-144.

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- Heath GW. Behavioral approaches to physical activity promotion. In: Clinical Exercise Physiology, second edition. Ehrman JK, Gordon PM, Visich PS, and Keteyian SJ (Eds) Human Kinetics, Champaign-Urbana, 2009, pp. 17-30.
- Greenlund KJ, Giles WH, Keenan NL, Malarcher AM, Zheng ZJ, Casper ML, Heath GW, Croft JL. Heart Disease and Stroke Mortality in the Twentieth Century. In: Silent Victories: The History and Practice of Public Health in Twentieth Century America. Ward J and Warren C (eds.) Oxford University Press, 2006, pp. 381-400.
- Washburn RA, Dishman RK, Heath G. Epidemiology and physical activity. Pgs. 273-296. In: Measurement Theory and Practice in Kinesiology. Wood TM and Zhu Weimo (eds.) Human Kinetics, Champaign-Urbana, 2006.
- Kahn EB, Ramsey LT, Brownson RC, Heath GW, Howze EH, Powell KE, Stone EJ. Chapter 2, Physical Activity in The Guide to Community Preventive Services: What Works to Promote Health. Zaza S, Briss PA, Harris KW (eds). Oxford University Press, 2005.
- Dishman RK, Washburn RA, Heath GW. Physical Activity Epidemiology. Human Kinetics, Champaign, IL, 2004.
- Contributing Author: Bone Health and Osteoporosis: A Report of the Surgeon General. Rockville, MD: U.S. Department of Health and Human Services, Office of the Surgeon General, 2004.
- Heath GW. Behavioral approaches to physical activity promotion. Pgs. 11-25. In Clinical Exercise Physiology. Ehrman JK, Gordon PM, Visich PS, Keteyian SJ (eds.) Human Kinetics, Champaign-Urbana, 2003.
- Heath GW. The quantity and quality of physical activity for health and fitness: a behavioral approach to exercise prescription. In Exercise in Rehabilitation Medicine, Frontera WR, Dawson DM, Slovick DM (eds). Human Kinetics, Champaign, Illinois, 1999.
- Heath GW. Exercise programming for older adults. In: ACSM's Resource Manual for Guidelines for Exercise Testing and Prescription (Third Edition). Roitman JL, Kelsey M, LaFontaine TP, Southard DR, Williams MA, York T. (Eds). American College of Sports Medicine. Williams & Wilkins, Baltimore, 1998, pp. 516-520.
- Contributing Author: Physical Activity and Health: A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 1996.
- Caspersen CJ and Heath GW. The risk factor concept of coronary heart disease. In: Resource Manual for Guidelines for Exercise Testing and Prescription (2nd Edition). Durstine JL, King AC, Painter PL, Roitman JL, Zwiren LD, Kenny WL (eds). American College of Sports Medicine, Lea and Febiger, Philadelphia, 1993, pp. 151-167.

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Heath GW. Exercise programming for the older adult. In: Resource Manual for Guidelines for Exercise Testing and Prescription (2nd Edition). Durstine JL, King AC, Painter PL, Roitman JL, Zwiren LD, Kenny WL (eds). American College of Sports Medicine, Lea and Febiger, Philadelphia, 1993, pp. 418-426.

Heath GW: Nutrition education in outpatient cardiac rehabilitation: the Marshfield experience. In: Cardiac Rehabilitation and Clinical Exercise Programs: Theory and Practice. Oldridge NB, Foster C, and Schmidt DH, (eds.) Movement Publications, Inc.; 1988, Ithaca, New York, pp. 231-238.

Heath GW. Exercise programming for the older adult. In: Resource Manual for Guidelines for Exercise Testing and Prescription. Blair SN, Painter P, Pate RR, Smith LK, Taylor CB, (eds.) Lea and Febiger, Philadelphia, Pa.; 1988: pp. 315-320.

Caspersen CJ and Heath GW. The risk factor concept of cardiovascular disease. In: Resource Manual For Guidelines For Exercise Testing and Prescription. Blair SN, Painter P, Pate RR, Smith LK, Taylor CB, (eds.) Lea and Febiger, Philadelphia, Pa.; 1988: pp. 111-125.

Publications –Peer-Reviewed Journal Articles (Web of Science h-index = 45; 16,621 citations) cited in reverse consecutive order of publication:

<https://www.ncbi.nlm.nih.gov/myncbi/gregory.heath.1/bibliography/public/>

154. Niyonkuru EA, McLaughlin E, Heath G, Inamuco S, Topazian H, Davis M. Healthcare Professional Preferences for Prescribing Artemisinin and Quinine for Malaria in Burundi. *East Afr Health Res J*. 2021;5(2):172-179. <https://doi.org/10.24248/eahrj.v5i2.Z>

153. Sevilis T, McDonald M, Avila A, Heath G, Gao L, O'Brien G, Zaman M, Heller A, Masud M, Mowzoon N, and Devlin T. Telestroke: Maintaining Quality Acute Stroke Care During the COVID-19 Pandemic. *Tele Medicine Journal*. 2021 (in press).

152. Martin Ginis KA, van der Ploeg HP, Foster C, Lai B, McBride CB, Ng K, Pratt M, Shirazipour CH, Smith B, Vásquez PM, Heath GW. Participation of people living with disabilities in physical activity: a global perspective. *Lancet*. 2021 Jul 31;398(10298):443-455. doi: 10.1016/S0140-6736(21)01164-8. Epub 2021 Jul 21. PMID: 34302764

151. Epidemic Intelligence Service Officers Past and Present. Open Letter by Epidemic Intelligence Service Officers Past and Present - in Support of CDC. *Epimonitor*. 2020 Oct;41(10):12-18. Epub 2020 Oct 14. PMID: 33345259.

150. **Heath GW** and Boer N. Epidemiologic research: a primer for the clinical exercise physiologist. *Journal of Clinical Exercise Physiology*. 2020;9(1):29–39.

149. Ding D, Ramirez Varela A, Bauman AE, Ekelund U, Lee IM, **Heath GW**, et al. Towards better evidence-informed global action: lessons learnt from the Lancet series and recent developments in physical activity and public health. *Br J Sports Med*. 2019; 10.1136/bjsports-2019-101001.

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148. Bolten BC, Bradford JL, White BN, **Heath GW**, Sizemore JM, White CE. Effects of an automatic discontinuation of antibiotics policy: A novel approach to antimicrobial stewardship. *Am J Health Syst Pharm*. 2019 Sep 1;76(Supplement_3): S85-S90. doi: 10.1093/ajhp/zxz144.
147. **Heath GW**. Light Physical Activity and Incident Coronary Heart Disease and Cardiovascular Disease among Older Women—A Call for Action (invited commentary). *JAMA NetOpen* 2019; 2(3): e190405. doi:10.1001/jamanetworkopen.2019.0405
146. **Heath GW** and Bilderback J. Grow Healthy Together: Effects of policy and environmental interventions on physical activity among urban children and youth. *Journal of Physical Activity and Health*. 2019; 16:172-176.
145. Stoutenberg M, Galaviz KI, Lobelo F, Joy E, **Heath GW**, Hutber A, Estabrooks P. A pragmatic application of the RE-AIM framework for evaluating the implementation of physical activity as a standard of care in health systems. *Prev Chronic Dis.*, 2018;15:170344
DOI: <https://doi.org/10.5888/pcd15.170344>.
144. Ramirez A, Salvo D, Pratt M, Milton K, Siefken K, Bauman A, Kohl HW III, Lee I-Min, **Heath G**, Foster C, Powell K, and Hallal PC. Worldwide use of the first set of physical activity Country Cards: The Global Observatory for Physical Activity – GoPA! *International Journal of Behavioral Nutrition and Physical Activity*, 2018;15:29-43.
143. Figh ML, Zoog ESL, Moore RA, Dart BW 4th, **Heath G**, Butler RM, Gao C, Kong JC, Stanley JD. External Validation of Velazquez-Gomez Severity Score Index and ATLAS Scores and the Identification of Risk Factors Associated with Mortality in Clostridium difficile Infections. *Am Surg*. 2017 Dec 1;83(12):1347-1351.
142. Cho JS, Hu Z, Fell N, **Heath GW**, Qayyum R, and Sartipi M. Hospital Discharge Disposition of Stroke patients in Tennessee. *South Med J* 2017; 110:594-600.
141. Schmidt CE, Boér NF, White D, Underwood S, Peyer KL, and **Heath GW**. An Evaluation of a Video-based Physical Activity Intervention in the Classrooms of Elementary Schoolchildren. *Health Behav Policy Rev*. 2017;4(5):484-490.
140. Ramirez Varela A, Pratt M, Powell K, Lee IM, Bauman A, **Heath GW**, Martins RC, Kohl H, Hallal PC. Worldwide Surveillance, Policy and Research on Physical Activity and Health: The Global Observatory for Physical Activity - GoPA! *J Phys Act Health*. 2017 May 17:1-28.
139. Ekelund U, Steene-Johannessen J, Brown WJ, Fagerland MW, et al (Lancet Physical Activity Series {LPAS} Executive Committee). Does physical activity attenuate, or even eliminate, the detrimental association of sitting time with mortality? A harmonized meta-analysis of data from more than 1 million men and women. *Lancet*. 2016 Sep 24;388(10051):1302-10.
138. Ding D, Lawson KD, Kolbe-Alexander TL, Finkelstein EA, Katzmarzyk PT, et al (LPAS Executive Committee). The economic burden of physical inactivity: a global analysis of major non-communicable diseases. *Lancet*. 2016 Sep 24;388(10051):1311-24.

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137. Sallis JF, Bull F, Guthold R, **Heath GW**, et al. Physical Activity 2016: Progress and Challenges: Progress in physical activity over the Olympic quadrennium. *Lancet*. 2016 Sep 24;388(10051):1325-36.
136. Reis RS, Salvo D, Ogilvie D, Lambert EV, Goenka S, Brownson RC, et al (LPAS Executive Committee). Scaling up physical activity interventions worldwide: stepping up to larger and smarter approaches to get people moving. *Lancet*. 2016 Sep 24;388(10051):1337-48.
135. Fulton JE, Carlson SA, Ainsworth BE, Berrigan D, Carlson C, Dorn JM, **Heath, GW**, et al. Strategic Priorities for Physical Activity Surveillance in the United States. *MSSE*. 2016; 48(10):2057-69.
134. Bauman A, McGill B, Powell K, Lee IM, **Heath G**, Pratt M, Kohl HW, Hallal P. Tackling obesity: challenges ahead. *Lancet*. 2015 Aug 22;386(9995):741-2
133. Pratt M, Ramirez A, Martins R, Bauman A, **Heath G**, Kohl H 3rd, Lee IM, Powell K, Hallal P. 127 Steps Toward a More Active World. *J Phys Act Health*. 2015 Sep;12(9):1193-4.
132. **Heath GW**, Kolade VO, Haynes JW. Exercise is Medicine™: A pilot study linking primary care with community physical activity support. *Preventive Medicine Reports*. 2015; 2:492-497.
131. Subtirelu M, Rincon-Subtirelu M, Pickett M, and **Heath GW**. Promoting active living and healthy eating among inner-city youth through community health workers: from clinic to neighborhood. *Health*. 2014; 6:2342-2348.
130. Bassett DR, Fitzhugh EC, **Heath GW**, et al. Estimated energy expenditures for school-based policies and active living. *Am J Prev Med*. 2013;44(2):108–113.
129. Pearson TA, Palaniappan LP, Artinian NT, Carnethon MR, Criqui MH, Daniels SR, Fonarow GC, Fortmann SP, Franklin BA, Galloway JM, Goff DC, **Heath GW**, Holland-Frank AT, Kris-Etherton PM, Labarthe DR, Murabito JM, Sacco RL, Sasson C, Turner MB. American Heart Association guide for improving cardiovascular health at the community level, 2013 update: a scientific statement for public health practitioners, healthcare providers, and health policy makers. *Circulation*. 2013;127 (16): 1730-53.
128. Lee IM, Bauman AE, Blair SN, **Heath GW**, Kohl HW 3rd, Pratt M, Hallal PC. Annual deaths attributable to physical inactivity: whither the missing 2 million? *Lancet*. 2013 Mar 23; 381(9871):992-3
127. **Heath GW**, Troped PJ. The role of the built environment in shaping the health behaviors of physical activity and healthy eating for cardiovascular health. *Future Cardiology* 2012; 8(5):677-9.
126. **Heath GW**, Parra DC, Sarmiento OL, Andersen LB, Owen N, Goenka S, Montes F, Brownson RC. Evidence-based intervention in physical activity: lessons from around the world. *Lancet* 2012; 380:272-81.
125. Hallal PC, Bauman AE, **Heath GW**, Kohl HW 3rd, Lee IM, Pratt M. Physical activity: more of the same is not enough. *Lancet* 2012; 380: 190-191.

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124. Lee I-M, Shiroma EJ, Lobelo F, Puska P, Blair SN, Katzmarzyk PT, for the Lancet Physical Activity Series Working Group. Effect of physical inactivity on major non-communicable diseases worldwide: an analysis of burden of disease and life expectancy. *Lancet* 2012;380: 219-229.
123. Hallal PC, Andersen LB, Bull FC, Guthold R, Haskell W, Ekelund U, for the Lancet Physical Activity Series Working Group. Global physical activity levels: surveillance progress, pitfalls, and prospects. *Lancet* 2012; 247-257.
122. Bauman AE, Reis RS, Sallis JF, Wells J, Loos RJF, Martin BW, for the Lancet Physical Activity Series Working Group. Correlates of physical activity: why are some people physically active and others not? *Lancet* 2012; 258-271.
121. Pratt M, Sarmiento OL, Montes F, et al, for the Lancet Physical Activity Series Working Group. The implications of megatrends in information and communication technology and transportation for changes in global physical activity. *Lancet* 2012; 282-293.
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119. Fesmire FM, Buchheit RC, Cao Y, Severance HW, Jang Y, **Heath GW**. Risk stratification in chest pain patients undergoing nuclear stress testing: the Erlanger Stress Score. *Crit Pathw Cardiol*. 2012 Dec;11(4):171-6.
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116. Ballew P, Brownson RC, Haire-Joshu D, **Heath GW**, Kreuter MW. Dissemination of effective physical activity interventions: are we applying the evidence? *Health Educ Res*. 2010 Feb 15.[Epub ahead of print]
115. Soler RE, Leeks KD, Ramsey, LT, Brownson RC, **Heath GW**, Hopkins DP, and the Task Force on Community Preventive Services. Point-of-Decision prompts to increase stair use: A Systematic Review Update. *Am J Prev Med*. 2010 Feb;38(2 Suppl): S292-300.
114. **Heath GW**. The Role of the Public Health Sector in Promoting Physical Activity: National, State, and Local Applications. *J Phys Act Health*. 2009 Nov;6 Suppl 2: S159-67.
113. **Heath GW** and Brown DW. Recommended levels of physical activity and health-related quality of life among overweight and obese adults in the United States: 2005. *Journal of Physical Activity and Health*. 2009;6(4):403-411.
112. **Heath GW**. Physical activity transitions and chronic disease. *American Journal of Lifestyle Medicine*.

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110. Wilkerson GB, Boer NF, Smith CB, **Heath GW**. Health-related factors associated with the healthcare costs of office workers. *J Occup Environ Med.* 2008 May; 50(5):593-601.
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107. Whitt-Glover MC, Taylor WC, **Heath GW**, Macera CA. Self-reported physical activity among blacks: estimates from national surveys. *Am J Prev Med.* 2007 Nov;33(5):412-7.
106. Ham SA, Yore MM, Kruger J, **Heath GW**, Moeti R. Physical activity patterns among Latinos in the United States: putting the pieces together. *Prev Chronic Dis* 2007;4(4).
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102. Martin SL, **Heath GW**. A six-step model for evaluation of community-based physical activity programs. *Prev Chronic Dis* [serial online] 2006. Available from: URL: http://www.cdc.gov/pcd/issues/2006/jan/05_0111.htm.
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Grant Activity – Research Experience:

Funded Proposals/Projects

Present – July 1985

Co-Investigator: Modeling the spread of COVID-19 and its impact on public health and the economy. NIH R15 Award- 7/01/2020-6/30/2021. Sum of Award: \$100,000 – Jin Wang, PhD – Principal Investigator (UTC)

This supplement proposal will establish a new mathematical and computational modeling framework to study the spread of COVID-19 and its impact on public health and the economy in the US. The proposed framework will overcome the aforementioned limitations in current COVID-19 modeling. We will use realistic data to guide our model development, and will combine mathematical analysis, numerical simulation and data validation for a thorough investigation. The success of this project will build a solid knowledge base for understanding the spread of COVID-19 and predicting its long term development, provide important guidelines for the public health administration in disease management and policy making, and quantify and assess the enormous economic consequences of COVID-19. The project outcome will contribute to the advancement of epidemiology, public health, mathematical and computational science, and economics, and will provide valuable interdisciplinary research experiences for students.

CURRICULUM VITAE

Co-Investigator *People, Planet, & Profits: Strategic Planning for Outdoor Recreation, Conservation, and Tourism*. Computational Science Award (CEACSE). Tennessee Higher Education Council Award to UTC. 7/01/2020-

6/30/2021.

Sum of

Award - \$79,000. Andrew Bailey, PhD – Principal Investigator.

The natural environment provides myriad benefits to humans, including: physical and mental well-being, public spaces to enhance social capital, and economic benefits from tourism, special events, and the mitigation of urban environmental degradation (e.g. heat islands, carbon offsets, etc.). These benefits can be realized in varying degrees from urban pocket parks, connecting greenways, and large swaths of protected wildlands. A 20-minute walk in a neighborhood park, for instance, can reduce the risk of heart disease (2018 Physical Activity Guidelines Scientific Advisory Committee Report, HHS, 2018), and diminish symptoms of ADHD (Faber-Taylor & Kuo, 2009). Additionally, public green spaces can provide millions of dollars in annual economic impact from adventure tourism (Bailey & Hungenberg, 2017) and large-scale outdoor events (Crompton, 2001; Bailey, 2016). Outdoor recreation is now included as a key industry in the U.S. economy, accounting for 2.2 percent of the entire GDP in 2016 (Bureau of Economic Analysis, 2017). Additionally, each acre of undeveloped green space provides, on average, nearly \$95 of air quality benefits, and nearly \$750 of water quality benefits per year (Coder, 1996).

Ironically, the very benefits induced by natural spaces may increase their vulnerability, as outdoor recreationalists visit these areas in increasing numbers. Outdoor events (e.g. triathlons) multiply these impacts, as do burgeoning tourism and development as outdoor enthusiasts seek opportunities to reside close to their adventure hubs. As commonly occurs in large national parks, outdoor participants can “love natural spaces to death” (). Encroaching development, eroded trails, and polluted waterways not only impact the local ecosystem, but also reduce the health, tourism, and mitigation values of the natural environment. These impacts can be difficult to track and quantify, resulting in the “externalization” of costs for environmental degradation, as well as the loss of natural assets that enhance resident quality of life. The purpose of this project is to geospatially model the relationship of outdoor recreation, tourism, conservation, and public health, and conduct predictive modeling to forecast the impact of urban development and climate change on those assets. Through an iterative mapping and machine-learning process, researchers will identify key predictors of human health, ecological health, and economic vitality that can be applied universally to other contexts. Findings will support smart urban planning, health promotion, and sustainable development initiatives.

Co-Investigator: *Modeling the spread of COVID-19 and its impact on public health and the economy*. NIH R15 Award- 7/01/2020-6/30/2021. Sum of Award: \$100,000 – Jin Wang, PhD – Principal Investigator (UTC)

This supplement proposal will establish a new mathematical and computational modeling framework to study the spread of COVID-19 and its impact on public health and the economy in the US. The proposed framework will overcome the aforementioned limitations in current COVID-19 modeling. We will use realistic data to guide our model development, and will combine mathematical analysis, numerical simulation and data validation for a thorough investigation. The success of this project will build a solid knowledge base for understanding the spread of COVID-19 and predicting its long term development, provide important guidelines for the public health administration in disease management and policy making, and quantify and assess the enormous economic consequences of COVID-19. The project outcome will contribute to the advancement of epidemiology, public health, mathematical and computational science, and economics, and will provide valuable interdisciplinary research experiences for students.

CURRICULUM VITAE

Co-Principal Investigator: *Adapting the Exercise Is Medicine Solution in Appalachia: Linking Primary Care to Community to Improve Chronic Disease Prevention and Control in a Rural Setting.* Tennessee Clinical and Translational Science Institute (UTHSC) Award - 6/01/2019 – 9/30/2020. Sum of Award: \$20,000 – Michael Davis, MD- Principal Investigator (UTCOMC/EHS)

Exercise is Medicine (EIM) is an evidence-based intervention approach towards physical activity (PA) promotion through clinic-based assessment, counsel, and referral to community PA resources as a promising standard of care. We propose to examine the impact of the EIM approach among a sample of ~100 inactive, rural adults, aged 30 to 50 years, who are at risk for or are being treated for a chronic cardio-metabolic disease. Fifty patients randomly assigned to the EIM solution intervention, while another 50 will be assigned to ‘usual care’, which includes PA assessment and general information about the importance of PA. The specific aims for this research are: 1) to determine EIM’s effectiveness to increase PA among these rural adults. 2) to document the EIM level of adoption and implementation by both healthcare provider and patient in the clinical setting and identify markers of potential sustainability at the systems and community levels.

Principal Investigator: *Intelligent Urban/Transportation Planning.* Tennessee Higher Education Commission (THEC) Computational Science Award 7/01/2016 – 6/30/2017. Sum of Award: \$98,500

The Goal of this award is to develop a computational decision making tool for use by planners, community decision makers, and public health practitioners in assessing the potential return on investment (ROI) of selected bike and pedestrian infrastructure and its impact on physical activity and subsequent health outcomes.

Principal investigator: *BRAD Project: Chattanooga Research Enhancement: Advocacy, Training, and Expansion (CREATE).* G11 HD080232-01, NIH/NICHD 05/01/2014 – 04/30/2019, Total Sum of Award, \$432, 000

The goal of CREATE is to enhance and expand the existing organizational structure to build capacity among UTC faculty to successfully compete for biomedical and bio behavioral research (BBR) awards and thereby enhance the preparation and training of undergraduate and graduate students for potential BBR and health professional careers.

Co-Investigator: *mStroke: Mobile Technology for Post-Stroke Recurrence Prevention and Recovery* R15 A14-1333; NIH/NIBIB Sartipi (PI) 09/01/2014– 08/31/2017

The goal of this project is to develop a smart system, which will monitor and evaluate motor control, fall risk, and gait speed of patients post stroke using wearable Bluetooth Low-Energy(BLE) devices.

Principal investigator: *Acceptability and Usability of the Exercise is Medicine™ Health-care Provider and Health Fitness Professional Action Guides.* American College of Sports Medicine Foundation and the Centers for Disease Control and Prevention. January 1, 2012- September 30, 2013. Sum of Award: \$25,000

CURRICULUM VITAE

- Co-Principal Investigator: *Improving Metabolic Health among Chattanooga's Children and Adolescents: Translating Active Living and Healthy Eating from Clinic to Neighborhood.* Center for Physical Activity and Health in Youth, Middle Tennessee State University. Sub-award through the Centers for Disease Control and Prevention (CDC). Period – July 1, 2011-July 1, 2012. Sum of Award: \$9776.00
- Principal Investigator: *New Urbanist Public Housing and Its Impact on Active Living among Low Income Children and Youth.* Center for Physical Activity and Health in Youth, Middle Tennessee State University. Sub-award through the Centers for Disease Control and Prevention (CDC). Period - August 2010-July 31, 2011. Amount of Award: \$8,900.00
- Principal Investigator: *Evaluation of Kid Fitness: A classroom-based physical activity and healthy eating program.* Contract, United Way of Chattanooga. Period – 2008-2010. Amount of award: \$23,150
- Principal Investigator: *Physical Activity and Public Health: An International Exchange.* UC Foundation Grant. Period- 2007-2010, Amount of Award: \$25,000
- Co-Investigator: *Health Enhancement and Costs of Health Management.* HHS Grant # R01 DP000220-01, Gary Wilkerson, EdD, ATC, Principal Investigator, University of Tennessee at Chattanooga, Funding Period- 2005-2006, Amount of Award: \$397,000.
- Co-investigator: *Prevention Research Center policy research network.* The first project of the network will focus on policies that affect physical activity in and around schools (2004-2006).
- Co-investigator: *Study to estimate medical expenditures due to physical inactivity at the state level (contractor = RTI) (2003-2005).*
- Co-investigator: *Project MOVE (Measurement of the Value of Exercise).* This project creates a sophisticated model of the cost-effectiveness of community level interventions recommended by the Community Guide (major funding from RWJF) (2002-2005).
- Co-investigator: *Increasing physical activity among adults in racially diverse communities in the United States (2005-2006).*
- Project Officer/Co-investigator: *Evaluation of the dissemination, adoption, and implementation of the physical activity recommendations from the Guide to Community Preventive Services (2002-2006).*

CURRICULUM VITAE

- Technical Advisor: *Delivery of Outpatient Cardiac Rehabilitation Services in Managed Care: Do Disparities Exist?* Cooperative Agreement #0953-038 with the Alliance of Community Health Plans, New Brunswick, New Jersey. (1999-2000).
- Technical Officer and Co-Author *Center for Physical Activity and Disability.* CDC Funding Opportunity Announcement. Awardee: James F. Rimmer, PhD, University of Illinois, Chicago and the Chicago Rehabilitation Institute. (1996 – present). National Center for Physical Activity and Disability (<https://www.nchpad.org/>)
- Project Officer: *Determinants of Physical Activity among Persons with Mobility Impairments.* Centers for Disease Control Cooperative Agreement with the University of Kansas and the University of Montana. Principal Investigator(s): Thomas Seekins, Ph.D. and Glen White, Ph.D. (1993-1996)
- Co-Investigator: *South Carolina Cardiovascular Prevention Project.* Centers for Disease Control Cooperative Agreement with the South Carolina Department of Health and Environmental Control. Principal Investigator: Frances C. Wheeler, Ph.D. (1987-1996)
- Project Officer: *Development of Physician-based Physical Activity and Exercise Assessment and Counseling Protocols (PACE).* Centers for Disease Control Contract with the San Diego State University Foundation. Principal Investigator: Kevin Patrick, M.D. (1991-1993)
- Chairperson: *Physical Activity Study Section; Youth Risk Behavior Surveillance System.* Principal Investigator: Lloyd Kolbe, Ph.D. (1989-1996)
- Co-Project Officer: *Risk Reduction through Physical Activity within Minority Populations.* Centers for Disease Control Cooperative Agreement with the Division of General and Preventive Medicine, School of Medicine, University of Alabama at Birmingham. Principal Investigator: James Raczynski, Ph.D. (1987-1991)
- Co-Investigator: *Effect of Exercise Training on Dehydroepiandrosterone Sulfate Levels in Healthy Men and Women 70-79 Years of Age.* Collaborative research with the Center for Exercise Science, University of Florida. Principal Investigators: Michael L. Pollock, Ph.D., James M. Hagberg, Ph.D. (1990)
- Project Officer: *Community Chronic Disease Prevention Projects.* Centers for Disease Control Cooperative Agreement with the Alabama Department of Public Health, California Department of Health Services, Maine Department of Human Services, Bureau of Health, and the Ohio Department of Health. (1987-1992)

CURRICULUM VITAE

- Co-Project Officer: *A Comprehensive Health Profile of Habitual Distance Runners.* Association of Schools of Public Health/Centers for Disease Control Cooperative Agreement with the Department of Epidemiology and Biostatistics, School of Public Health, University of South Carolina. Principal Investigator: Carol A. Macera, Ph.D. (1987-1990)
- Project Officer: *Assessment of Physical Activity in Lower Socioeconomic Populations.* Association of Schools of Public Health/Centers for Disease Control Cooperative Agreement with the Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh. Principal Investigator: Ronald LaPorte, Ph.D. (1985-1987)
- Project Officer: *Evaluation of the Zuni Diabetes Program: A Community-Based Exercise Program.* Cooperative Agreement with the Indian Health Service. Principal Investigator(s): Robert Wilson, M.D. and Bruce Leonard, M.P.H. (1985-1987)

1982 - July 1985

- Co-investigator: *Heartwatch: A School and Community-Based Coronary Heart Disease Prevention Program.* Marshfield Clinic, Marshfield Medical Foundation Research Award. Principal Investigator: George G. Griese, M.D., Department of Pediatrics, Marshfield, Wisconsin. Sum of award, \$100,000.
- Co-investigator: *Coronary Artery Surgery Study.* Marshfield Center. Principal Investigator: William O. Myers, M.D. NIH/NHLBI
- Principal Investigator: *Physical Activity Habits and Behavioral Risk Factor Changes in Patients Undergoing Coronary Artery Bypass Surgery.* Marshfield Medical Foundation Award. Sum of award, \$18,000.
- Co-Investigator: *Comprehensive Approach to Weight Management.* Marshfield Medical Foundation Award. Principal Investigator: Guerdon Coombs, M.D.
- Co-Investigator: *Effects of Iron Deficiency Anemia on Exercise Capacity in Female High School Cross Country Runners.* Marshfield Medical Foundation Research Award, Principal Investigator: James Nickerson, M.D., Department of Pediatrics, Marshfield Clinic. Sum of award, \$10,000.

1979-1982

- Principal Investigator: *Effects of Regular Physical Activity on Dynamic Cardiovascular Function in Older Adults.* Erlanger Medical Center Institutional Award. Sum of award, \$5,000.

CURRICULUM VITAE

Principal Investigator: *Effect of Exercise Training on Hypertensive Adolescents.* American Heart Association-Tennessee Affiliate. Approved but not funded.

Principal Investigator: *Cardiovascular Function in Ballet Dancers.* Erlanger Medical Center Institutional Award. Sum of Award, \$5,000.

Principal Investigator: *Effects of Exercise Training and Dietary Behavior Modification on Weight Reduction.* Erlanger Medical Center Institutional Award. Sum of Award, \$5,000.

1977-1979

Co-Investigator: *Effect of Exercise upon the Hypertensive Adolescent.* National Institutes of Health Research Award. Principal Investigator: David Goldring, M.D., Washington University School of Medicine, Department of Pediatrics. Sum of award, \$364,121.

Co-Principal Investigator: *Cardiovascular Function in Older Endurance Athletes.* American Heart Association Grant-in-aid. Principal Investigator: John O. Holloszy, M.D. Sum of award, \$90,000.

Co-Investigator: *Effects of Prolonged Exercise Training on Ischemic Heart Disease Patients.* National Heart, Lung, and Blood Institute Grant in-Aid. Principal Investigator: John O. Holloszy, M.D. Sum of award, \$1,000,000.

Principal Investigator: *Effects of Physical Activity on Glucose Tolerance, Insulin Response to a Glucose Load, and Insulin Receptor Function.* Washington University School of Medicine Institutional Award. Sum of award, \$3,000.

1977

Heath, G.W. *The Role of Exercise Training in the Secondary Prevention of Ischemic Heart Disease.* Doctoral Thesis, Department of Health Science, School of Public Health, Loma Linda University, Loma Linda, California

1976

Heath, G.W. *Blood Pressure in Vegetarians and Nonvegetarians.* Masters Thesis, Department of Biostatistics and Epidemiology, School of Public Health, Loma Linda University, Loma Linda, California

1975

Student Epidemiologist assigned to the *Adventist Health Study*, Department of Biostatistics and Epidemiology, School of Public Health, Loma Linda University, Loma Linda, California

Unfunded Proposals/Projects – 2005-present:

- Co-investigator: NIH R15ES0268031- *Lead Exposure and Effects on Placental 11BHSDII activity and Low Birth Weight in Hamilton County, TN*. Principal Investigator: Sean Richards. (05/01/2016 - 04/30/2019)
- Principal Investigator: NIDDK R18 964312. *Diabetes Prevention: Linking Physician Training with Community Health Workers*. (12/01/2013 - 11/30/2016)
- Co-investigator: NICHD R13 0771671. *Chattanooga Obesity Prevention Partnership through Education and Research (COPPER)*. Principal Investigator: Alan Kohrt. (07/01/2013 - 06/30/2016)
- Principal Investigator: RC4RR 0313931. *The Chattanooga Population Health Research Collaborative*. (07/01/2010 - 06/30/2013).
- Co-investigator: NIH R21 0129311. *The Effect of Perceived Racism and Classism in Health Care Interactions on Respondents*. Principal Investigator: Barbara Medley. (07/01/2011 - 06/30/2013)

Publications – Peer-Reviewed Abstracts and Presentations:

- Martin Ginis KA, van der Ploeg H, Ng K, McBride CB, and Heath GW. *Physical Activity among People with Disabilities: A Global Perspective*. Symposium. 8th International Society for Physical Activity and Health (ISPAH) Congress. Vancouver, British Columbia, Canada. October 12-14, 2021.
- Heath GW, Martin Ginis KA, Lai B, Rimmer J. *Physical Activity among People with Disabilities: Lost in Translation*. 2021 Annual Meeting Program
- Heath GW, Moreland T, Mix C, Stephenson S, Houser JA, Schmitt C. *Using Geospatial Data to eliminate Disparities in Covid-19 Testing*. *Circulation*. 2021;143 (Suppl 1): Abstract 47.
- Boer NF, Johann J, Heath GW. *Evaluation of V02 Peak Calculations for the Boer 2 through 5 Protocols*. 2018. MSSE; :1125.
- Peyer KL, Jack J, Heath GW. *Association between Family Health Behaviors and Obesity Severity: Does Weight Metric Matter?* 2018. MSSE; :1696.
- Heath GW, Bilderback J, McInnis D, Wilson WS. *Grow Healthy Together Chattanooga: Effects of Policy/Environmental Interventions on Physical Activity among Urban Children*. 2015. MSSE; 47 (5S):832-833.
- Heath GW, Subtirelu M, Rincon-Subtirelu M, Pickett M, White D, Mendoza E, Tinsley E, Abrahams L, Meyer T. *Promoting Physical activity and Healthy Eating among Inner-City youth through Community Health Workers: Linking Clinic to Neighborhood*. 2013. MSSE;45(5): S404.

- Heath GW, White-Woerner S, Jiang J. New Urbanism and Its Impact on Active Living among Inner City Children/Youth. *Circulation*. 2012; 125: AP267.
- Underwood SA, Heath GW, Kang M. The Kid Fitness™ School Program: Effects on Daily Physical Activity. *Medicine and Science in Sports and Exercise*. 2011;43(5) Suppl: S23.
- Baird D, Hall P, Galeano N, Heath GW. Promoting Active Transport: A Multimodal Travel Time Pilot Study. *Medicine and Science in Sports and Exercise*. 2011;43(5) Suppl: S45.
- Kolli A, deOlloqui S, Pugliese P, Anderson R, Boer N, Heath GW. Physical Activity Patterns Along an Urban Trail: Site-specific Comparisons: 1367: *Medicine & Science in Sports & Exercise*. 42(5):248, May 2010.
- Boer NF, Anderson RM, deOlloqui S, Pugliese P, Koli, A, Heath, GW. Proximity and Usage of the Tennessee Riverpark Urban Trail: 1366: *Medicine & Science in Sports & Exercise*. 42(5):248, May 2010.
- Wilkerson G, Boer NB, Heath GW. Self-Reported Physical Activity Level is a Key Predictor of Metabolic Health Risk and High Healthcare Cost Cases among Office Workers. Proceedings; 2nd International Congress on Physical Activity and Public Health; April 13-16, 2008: P-031.
- Wilkerson G, Boer NB, Heath GW. Validation of the Patient-Centered Assessment and Counseling for Exercise (PACE) Survey as a Useful Tool for Worksite Assessment of Employee Physical Activity Level. Proceedings; 2nd International Congress on Physical Activity and Public Health; April 13-16, 2008: P-032.
- Heath GW, Wilkerson G, Boer NB, Oglesby B, Oglesby C. Effects of Behavior-based Assessment and Counseling for Physical Activity Linked with Environmental Supports among University Employees: A Pilot Intervention. Proceedings; 2nd International Congress on Physical Activity and Public Health; April 13-16, 2008: P-037.
- Heath GW and Brown DW. Physical activity and health-related quality of life among overweight and obese adults: Beyond energy-balance? *Medicine & Science in Sports & Exercise*, 2007;39(5):S382.
- Heath GW. Preparing physicians and allied health system for lifestyle medicine services. Current Issue: *Bridging the Gap: Advancing Policy on Lifestyle Medicine*. Annual Meeting of the American College of Sports Medicine, Denver, CO., 2006.
- Boer NF, Smith C, Wilkerson G, Wilson M, Heath GW. Prevalence of metabolic syndrome among sedentary workers. *MSSE*. 2006;38(5):S202.
- Mays RJ, Boer NF, Heath GW. Normative data collection of one-repetition maximum values for various resistance exercises in young adult females. *MSSE*. 2006;38(5):S291.
- Wilson M, Boer NF, Heath GW. Comparisons between different static unipedal balance measures in young adult subjects. *MSSE*. 2006;38(5):S451.

- Carlson SA, Powell KE, Macera CA, Heath GW, Kohl HW III. Self-reported injury and physical activity levels: United States 2000-2002. Medicine and Science in Sports and Exercise. 2005;37:S13 (100).
- Heath GW. Translating Science into Healthy Care Policy. Medicine and Science in Sports and Exercise. 2005; 37(5):S343(1784).
- Heath GW, Yore MM, Macera CA, Moeti R, Kohl III HW. Physical activity and race/ethnicity in the U.S.: Do disparities exist? Medicine and Science in Sports and Exercise. 2003;35(5,Suppl):S190(1061).
- Heath GW, Haskell W, Kahn EB, Powell KE. Community-based physical activity promotion: A summary of the evidence. Medicine and Science in Sports and Exercise. 2001;33(5, Suppl):S48(272).
- Crespo C, Gordon P, Heath G, Stewart C. Using state data to monitor the Healthy People 2010 Objectives in your community. Medicine and Science in Sports and Exercise. 2001;33(5):Supplement.
- Heath GW. A geography for physical activity epidemiology: the distribution of physical inactivity by gender and race in the U.S. Medicine and Science in Sports and Exercise 2000;32(5,Suppl):S260(#1267).
- Heath GW. Traditional CHD risk factors in the Coronary Valley. Coronary Valley Project Symposium: High CHD Mortality in the Ohio and Mississippi River Valleys; Magnitude, Cause, and Strategy of Reduction. April 16-17, 1998, Lexington, Kentucky.
- Gordon P, Heath G, Holmes A, Christy D. The use of regular physical activity among individuals trying to lose weight in Appalachia. Medicine and Science in Sports and Exercise, 1998;30:S162(918).
- Helmick CG, Heath GW, LaPlante MP. Leisure-time physical activity among persons with arthritis and other rheumatic conditions, 190-91. Paper presented at the 12th National Conference on Chronic Disease Prevention and Control. Washington, D.C.; December 4-6, 1998.
- Crespo CJ, Heath GW. Current Issue: Promoting Health Through Physical Activity. Medicine and Science in Sports and Exercise. 1997;29:S37(624).
- Heath GW. The prevalence of physical activity: Meeting the HP2000 Objectives. Session #3071: Public Health Methods to Increase Participation in physical activity. Annual Meeting of the American Public Health Association, November, 12 1997.
- Brooks GA, Mercier J, Casaburi R, Kavanagh T, Heath GW. Role of exercise in reconditioning the patient. Medicine and Science in Sports and Exercise 1995;27:S101(570).
- Brown DR, Lloyd E, Heath G, Lewis CE, Levinson R, Raczynski J, Roegner R. Determinants of physical activity among African-American women living in urban public housing. Medicine and Science in Sports and Exercise 1995;27: S213(1191).

- Heath GW, Glaser RM, Davis GM, Bar-Or O, Pittetti K, White GW. Physical activity promotion in persons with disabilities: clinical applications - public health implications. Medicine and Science in Sports and Exercise 1994;26(5):S1.
- Croft JB, Heath GW, Macera CA, Brown DR, Ferguson JE, Lane MJ, Wheeler FC. Behaviors associated with regular leisure-time physical activity in the intervention phase of the South Carolina Cardiovascular Disease Prevention Project. Paper presented at the Ninth National Conference on Chronic Disease Prevention and Control, 1994.
- Heath GW. Application of the ICDH to epidemiology: the impact of the current revision efforts. Abstract #2009. Annual Meeting of the American Public Health Association, 1994.
- Heath GW, Croft JB, Wheeler FC. Changes in patterns of physical activity: Final results from the South Carolina Cardiovascular Disease Prevention Project. Medicine and Science in Sports and Exercise 1993;25(5):S27.
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- Blessing DL, Heath GW, Escobedo LG. Prevalence of anabolic steroid use among American adolescents. Medicine and Science in Sports and Exercise 1993;25(5):S128.
- Heath GW, Pratt M, Lowery R. Quantity and quality of high school physical education (PE) - United States, 1990. Medicine and Science in Sports and Exercise 1992;24:S123(737).
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- Pate RR, Dowda M, Heath G. Physical activity and associated health behaviors in American adolescents. Medicine and Science in Sports and Exercise 1992;24: S124(740).
- Heath GW, Macera CA, Wheeler FC. Physical activity patterns in a biracial population. Sixth National Conference on Chronic Disease Prevention and Control. October 22-24, 1991, Washington, D.C.
- Heath GW, Macera CA, Eaker ED, Wheeler FC. Physical activity patterns in a biracial semi-rural population. Medicine and Science in Sports and Exercise 1991;23: S105.
- Macera CA, Heath GW, Fuchs R, Eaker ED, Stoddard RS, Wheeler FC. Lack of association of physical activity with total cholesterol or HDL in a biracial community sample. Medicine and Science in Sports and Exercise 1991;23:S113.
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- Caspersen CJ, Merritt RK, Heath GW. Physical activity patterns of adults aged 60 years and older. Medicine and Science in Sports and Exercise 1990;22(2):S470.
- Yeager KK, Caspersen CJ, Merritt RK, Heath GW. Physical activity patterns of women. Medicine and Science in Sports and Exercise 1990;22(2):S472.
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- Lewis CE, Raczynski JM, Heath GW, Levinson RM. Physical activity patterns in a low income minority population. Fifth National Conference on Chronic Disease Prevention and Control. Detroit, Michigan, 1990.
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- Ford ES, Heath GW, Merritt R, Washburn RA, Kriska A. Physical activity and socio-economic status. Medicine and Science in Sports and Exercise 1989;21(2):S94.
- Heath GW, Welty TK, Jewett K, Keckler A. Cardiovascular disease risk among the Cheyenne River Sioux. Cardiovascular Disease Epidemiology Newsletter 1988;43:
- Heath GW, Ford ES, Macera CA, Craven T, Pate RR, Jackson K. A cohort study of illness in runners. Paper presented at the 35th Annual Scientific Sessions of the American College of Sports Medicine, Dallas, Texas. May 24-28, 1988.
- Macera CA, Pate RR, Kendrick JS, Jackson KL, Heath GW, Powell KE. Lower extremity injuries in habitual runners. American Journal of Epidemiology 1987; 126:775.
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- Heath GW, Maloney PM, Fure CW: Group exercise versus home exercise in coronary artery bypass patients; effects on physical activity habits. Med Sci Sports Exerc 17(2):199, 1985
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- Heath GW, Love MA, Baker M, Perry WC, Owens GV, Muse SA: Cardiovascular function in ballet dancers. Medicine and Science in Sports and Exercise 14:2, 149, 1982

Hagberg JM, Ehsani AA, Heath GW, Goldring D, Hernandez T, Holloszy JO: Beneficial effects of endurance exercise training in adolescent hypertension. *American Journal of Cardiology* 45:489, 1980.

Heath GW, Broadhurst C, Long K: Effects of dietary behavior modification and exercise training on weight and blood lipids of hospital employees. (Paper presented to the Annual Meeting of the American Dietetic Association, Philadelphia, Pennsylvania, 1980)

Heath GW, Hagberg JM, Ehsani AA, Holloszy JO. Cardiovascular function in older endurance athletes. *Cardiovascular Disease Epidemiology Newsletter*. 1979;26:41.

Honors & Awards:

2009

Charles C. Shepard Science Award, Prevention and Control (Centers for Disease Control and Prevention): *Cost Effectiveness of Community-based Physical Activity Interventions*. Co-Author

2008

Nominated to Alpha Society, University of Tennessee at Chattanooga Academic Honor Society

2007

Tenure Professorship granted – University of Tennessee Board of Trustees

Appointment to the Tennessee Health Commissioner's Child Nutrition and Wellness advisory council – Tennessee Department of Health

Appointment to the President's Council on Physical Fitness and Sports Scientific Advisory Board, Washington, D.C.: appointment – 2007-2010.

2006

Appointment to the State of Tennessee Governor's Council on Physical Fitness and Health
Moderator for the National Academies of Science Institute of Medicine (IOM) Workshop on the Adequacy of Evidence for Physical Activity Guidelines Development, October 23-24, 2006

2005

Twenty-year service medal, Department of Health and Human Services, United States Public Health Service

2003

Completion of the CDC Leadership Management Institute

2002

Assistant Secretary for Health's Award for Outstanding Team Performance for outstanding service in developing effective public-private Healthy People 2010 partnerships

2001

CDC Group Honor Award; Voluntary Service, Science Olympiad

2000

U.S. Department of Health and Human Services, Secretary's Award for Distinguished Service: For outstanding teamwork resulting in the publication of Healthy People 2010

Measurement Advisory Panel, National Committee for Quality Assurance, CDC Recognition Award, Superior Performance Award, DACH, CHB, NCCDPHP, CDC

1999

Superior Performance Award, DACH, CHB, NCCDPHP, CDC

1998

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention -- Disability Awareness Group Award -- CDC Epilepsy Working Group

1997

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention -- Service Award: Chair of the Scientific Planning Committee of the Living Well with Epilepsy National Conference.

1997

U.S. Department of Health and Human Services: Secretary's Award for Distinguished Service; Contribution to the Surgeon Generals Report on Physical Activity and Health.

1995

1995 Charles C. Shepard Science Award nominee: Community Intervention and Trends in Dietary Fat Consumption among Black and White Adults.

1992

Research Group Award, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control, U.S. Department of Health and Human Services. For significant contributions to the development, implementation, and analysis of the Youth Risk Behavior Surveillance System.

1991

Superior Work Performance, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control, U.S. Department of Health and Human Services. For significant contributions to the development and writing of the Healthy People Year 2000 Objectives for Physical Activity and Fitness.

1988

Secretary's Recognition Award, Centers for Disease Control, Public Health Service, U.S. Department of Health and Human Services

1986

Administrator's Award for Public Service - Public Health Service U.S. Department of Health and Human Services

1985-1987

Epidemic Intelligence Service (EIS) Officer, Center for Health Promotion and Education, Division of Health Education, Behavioral Epidemiology and Evaluation Branch, Centers for Disease Control, United States Public Health Service

1977 - 1979

Public Health Service NRSA – NIH Postdoctoral Trainee, Department of Preventive Medicine and Medicine, Washington University School of Medicine, St. Louis, Missouri

1977

President's Award, Loma Linda University, Loma Linda, California

1977

Delta Omega, Kappa Chapter (Honorary Public Health Society)

1974 - 1977

United States Public Health Service Pre-Doctoral Trainee, School of Public Health, Loma Linda University, Loma Linda, California

Peer Reviewer/Referee on following journals/reports/research study sections:

Medicine and Science in Sports and Exercise

Research Quarterly for Exercise and Sport-Epidemiology Section Editor '93-96

Journal of Applied Physiology

Journal of Physical Activity and Health – Editorial Board: 2007- 2014

ACSM's Health and Fitness Journal – appointed to Editorial Board: 2007-2010

Preventive Medicine

Journal of the American Medical Association

New England Journal of Medicine

American Journal of Medicine

Archives of Internal Medicine

Annals of Internal Medicine

Public Health Reports

Pediatrics

Journal of Gerontology

Diabetes Care

American Journal of Public Health

The Lancet

The British Medical Journal

The International Journal of Sports Medicine

The International Journal of Behavioral Nutrition and Physical Activity

National Institute of Diabetes, Digestive, and Kidney Diseases (NIDDK)

Center for Scientific Review Study Section – Kidney disease, Nutrition, Obesity, and Diabetes (KNOD) – Member – 2007-2012

Professional Service:

National and International Professional:

Member, Steering Committee, Global Observatory for Physical Activity (GoPA!), International Society for Physical Activity and Health (ISPAH)

Member, Advisory Committee, The Lancet Physical Activity and Health Series (2011- present)

External Partner, Physical Activity Coordination Team, Guide to Community Preventive Services (2010- present)

Chair, ACSM Exercise is Medicine Science Committee (2010-2016)

Chair, Science Board, President's Council on Fitness, Sports, and Nutrition – 2009-2012

National Cancer Institute Participatory Research on Cancer Prevention – Advisory Committee
Member and Co-investigator – Meharry Medical College, Dr. Margaret Hargreaves, PI

Institute of Medicine (IOM) – Moderator for Physical Activity and Health Guidelines - 2006

Journal of Physical Activity and Health – Editorial Review Board (2003-2012)

American College of Sports Medicine – Vice President (2008-2010); Trustee (1996-1999);
Nominated Candidate for President (2010)

Chair, Physical Activity Coordination Team, Guide to Community Preventive Services (2003-2005)
Member, Physical Activity Coordination Team, Guide to Community Preventive Services (2000-2003)

Member, Physical Activity and Built Environment Project Coordination Team, External Partner,
Guide to Community Preventive Services (2010-present)

Co-Director and faculty member, CDC/University of South Carolina Physical Activity and Public Health Practitioner's Course (2000-2005)

Faculty Member, CDC/University of South Carolina Physical Activity and Public Health Researcher's Course (2000)

Healthy People 2010 – Physical Activity and Fitness Objectives, member of coordination and writing team (2000-2005)

Healthy People 2000 – Physical Activity and Fitness Objectives, member of coordination and writing team (1990-2000)

Regional Professional:

Southeast Tennessee Regional Health Board Member (current)

State Professional:

Governor’s Council on Physical Fitness and Health – Member (2005-2010)

Tennessee Obesity Task Force (TOT) – Member (current)

Community:

American Heart Association, Chattanooga Chapter Board of Directors (2007-2010)

Science Advisor: Grow Healthy Together Chattanooga (RWJF Funded Healthy Kids Healthy Communities Initiative), Chattanooga/Hamilton County Health Department – 2006- 2012

Southside Community Health Coalition – Member (current)

Chair and member, Board of Trustees, Lifespring Community Health (pediatric and family health care, health promotion, and health advocacy) – 2008-present

Board Member, Tennessee Valley Pediatric Health Improvement Coalition (PHIC) – 2015-present

Chattanooga/Hamilton County Joint COVID-19 Task Force, member and Co-chair of the Data and Analytics Work Group – March 2020 - present

Service to the University Community:

University Service:

Perspectives Lectures Committee – 2005-2010

C.S. Lewis Lecture Committee – Current

Chattanooga Healthy Living Coordinator Search Committee (2017) – member

Alpha Society – Vice President (2017-2018)

Principal RFA author and project officer: UNIVERSITY OF TENNESSEE AT CHATTANOOGA
MASTER’S DEGREE IN PUBLIC HEALTH (MPH)
NEEDS ASSESSMENT, Kronley and Associates, 2016

Principal author: University of Tennessee at Chattanooga MPH Proposal and subsequent Tennessee
Higher Education Commission Proposal. 2016-2018

Most Recent Teaching Responsibilities:

Spring 2020	HHP-MPH Program – Fundamentals of Chronic Disease Epidemiology HHP-MPH Program - Grant Writing for the Health Sciences HHP – Community and Environmental Health
Fall 2019	HHP- MPH Program – Foundations in Public Health III (epidemiology and biostatistics)
Spring 2019	HHP-MPH Program- Fundamentals of Chronic Disease Epidemiology HHP- Physical Activity Epidemiology
Fall 2018	HHP-MPH Program – Foundations in Public Health III (epidemiology)
Fall 2017	HHP- Introduction to Epidemiologic Methods HHP – Graduate Seminar: Physical Activity and Public Health
Fall 2016	HHP – Introduction to Epidemiologic Methods
Spring 2015	Honors Statistics: How Should We Live: A Quantitative Perspective HHP – Graduate Seminar: Physical Activity and Public Health
Fall 2014	HHP – Introduction to Epidemiologic Methods
Spring 2013	HHP5549/5449 3 CR HRS – Physical Activity and Public Health
Spring 2011	HHP5549/5449 3 CR HRS – Physical Activity and Public Health
Fall 2010	HHP 5597- 3 CR HRS – Introduction to Epidemiologic Methods
Spring 2010	HHP 449/549 3 CR HRS – Physical Activity Epidemiology HHP 422 3 CR HRS – Health Behavior Change
Fall 2009	HHP 597- 001 3 CR HRS – Introduction to Epidemiologic Methods

Previous Courses Taught

HHP 535 – Worksite Health Promotion and Productivity Management
HHP 597 – Independent Studies – Graduate Research Methods
HHP 541 – Exercise and the Older Adult
HHP 442 – Principles of Health Behavior Change, Clinical and Community Applications – Principal course developer and inaugural instructor
HHP 449 – Physical Activity Epidemiology – Principal course developer and inaugural instructor
HHP 549 – Physical Activity and Public Health – Principal course developer and inaugural instructor
HHP 597 - Introduction to Epidemiologic Methods – Principal course developer and inaugural instructor

Athletic and Coaching Experience

1996 – 2002 - GHSA Certified Community Cross Country and Track and Field Coach - Providence Christian Academy, Lilburn, Georgia (Boys' state finish, 1997 - 10th; 1998 - 8th; 1999 - 6th; 2001 - 3rd; Girls' state finish, 1999 - 8th; 2000 - 6th; 2001 - 9th.)

1980-1982 Head Men's and Women's Cross-Country Coach, Covenant College, Lookout Mountain, Georgia

1969-1970 Member, Santa Monica Track Club, Santa Monica, California, Mihaly Igloi, Head Coach

1968-1972 Varsity Cross Country and Track and Field, Westmont College, Santa Barbara California.
Cross Country: NAIA District III, First Team Member, 1968; Member 4th Place Team, NAIA Nationals, 1968; All District III Second team, 1970; Co-Captain Cross Country, 1970; PR 8K XC, - 25:00. Track and Field: 1971 4th Place District III, 6 miles (30:12); PR's 400M - 49.9; 800M - 1:56; 1600M - 4:15; 5000M-15:35; 10,000M - 31:22 (school record).

1964-1968 Varsity Cross Country and Track and Field, 4-year varsity letterman, Inglewood High School, Inglewood, California; 1966 – Bay League Finals – 2 mile, 2nd Place (9:59) advanced to CIF quarterfinals; 1968 Bay League Finals – 2 mile, 4th place, 10:00; PRs - 400M - 51.0; 800M – 1:59; 1600M - 4:29; 3200M - 9:55.

References

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