

David Berrigan - Curriculum Vitae

14200 Parkvale Rd
Rockville MD 20853
H: 301-460-0689
C: 240-660-0171

Health Behavior Research Branch
Behavioral Research Program
Division of Cancer Control and Population Sciences
National Cancer Institute
9609 Medical Center Drive MSC 7344
Room 3E342
Bethesda MD 20892-7344
Phone: 240-276-6752
Fax: 240-276-7906
berrigad@mail.nih.gov

Current Responsibilities: Defining and developing a crosscutting research agenda addressing cancer prevention and control via health behavior change, evaluation of natural experiments, measurement of physical activity and physical activity environments, and health disparities. SME and Technical lead for diverse resources related to childhood obesity via the National Collaborative on Childhood Obesity Research. Leader in supporting research on Geospatial Approaches to Cancer Control. Supervising postdoctoral fellows and managing staff for diverse contract and evaluation efforts. Developing data and tools to improve research. Managing a portfolio of grants and contracts.

EDUCATION AND TRAINING

Cancer Prevention Fellowship, 1999-2003, National Cancer Institute, Division of Cancer Prevention. Bethesda. Advisors: Dr. Douglas Weed, Dr. Stephen Hursting, Dr. Rachel Ballard-Barbash.

Fellowship Theme: "Energy Balance and Carcinogenesis: From Mice to Men"

M.P.H. Epidemiology, 2000, University of California, Berkeley. Advisors: Dr. Allan Smith, Dr. Patricia Buffler.

Project Title: "Lung cancer and exposure to man-made vitreous fibers"

Ph.D. Biology, 1993, University of Utah. Advisor: Dr. Eric Charnov.

Dissertation Title: "The Evolution of Age and Size at Maturity"

M.S. Ecology, 1987, University of California at Davis. Advisor: Dr. James Carey.

Thesis Title: "Clutch Size and Host Preference of the Mexican Fruit Fly, *Anastrepha ludens* (Diptera, Tephritidae)"

B.A. Biology, 1983, Reed College. Advisor: Dr. Stephen Stearns.

Thesis title: "The Cost of Reproduction in *Daphnia pulex*"

Research Positions

September 2015 – Present Biologist/Health Science Administrator, Currently GS-14-10,
NIH/NCI/Division of Cancer Control and Population Sciences, Behavioral Research Program
Full Time 40 Hours Per Week Position

Key Activities:

- Developing, analyzing and reporting public health surveillance focused on behavior and obesity using Federal health and labor surveys including the National Health Interview Survey, National Health and Nutrition Examination Survey, American Time Use Survey, FLASHE, HINTS and ACT-24

- Develop funding and contract opportunities concerning health behaviors and the environment
- Serve as Contracting Officers Representative for the National Collaborative on Childhood Obesity Research (NCCOR) Coordinating Center (CC) and leading the CC contract re-compete
- Serve as member of the NCCOR steering committee, NCCOR is a collaborative with NIH, CDC, USDA and RWJF as members.
- Monitor grant reviews and prepare recommendations to Division leadership concerning funding and award
- Assist in the analysis and publication of results from National Health Surveys (NHANES, NHIS, ATUS) and Epidemiological Studies including the Africans in America, Dallas Heart and NIH-AARP Cohort – Author/Coauthor on 52 papers 2016 – Present
- Supervise research trainees including cancer prevention, summer and CRTA fellows (see papers below with e.g. C. Tribby, L. Perez, N. Sprague). Currently working with Dr. Sydney O’Connor Linsey Eldridge and Dr. Kimberly Clevenger with papers in progress for all three. I am also mentoring several practicum students and new program hires
- Serve as a reviewer for 20+ papers per year and as Section Editor for the International Journal of Environmental and Public Health Research, handling a further 20+ papers per year
- Sharing and presenting work across NIH, at multiple National and International Conferences and in invited talks at Universities and Conferences. Examples in the past 5 years include ISBNPA, SBM, ALR, APHA, MSSE, Texas Children’s Hospital, Portland State University and multiple NCCOR webinars.
- Co-technical lead in developing training materials (<https://www.nccor.org/nccor-tools/mresourcesuite/>) and archived presentations (e.g. 1) “Putting Cancer in its Place: Geospatial Approaches to Energy Balance and Cancer for the [The 2nd International Electronic Conference on Environmental Health Sciences](https://iecehs-2.sciforum.net/) <https://iecehs-2.sciforum.net/> 2) A seminar at Portland State on Transportation and Health issues - https://pdxscholar.library.pdx.edu/trec_seminar/178/; 3) Nature and Health- <https://symposium.centerforhealthandnature.org/video/>
- Received an NIH Merit Award

September 2003-2015 Biologist/Health Science Administrator, GS-14, NIH/NCI/Division of Cancer Control and Population Sciences, Applied Research Program

Full Time 40 Hours Per Week Position

Key activities:

- Monitor grant reviews and prepare recommendations to Division leadership concerning funding and award
- Co-leading the development of NCCOR and DCCSP resources related to measurement
- Analyzing and publishing in the peer reviewed literature data from National Surveys including NHANES, NHIS, CHIS, ATUS and others - 74 papers 2003 – 2015
- Mentoring diverse fellows in Cancer Prevention and Control including Dr. Genevieve Dunton, Dr. James McClain, Dr. Britni Belcher, Dr. Dana Wolff-Hughes and 5+ undergraduate and masters level fellows.
- Developing Survey items and carrying out methodological research related to questions about energy balance, walking and the built environment
- Contributing to development and analysis of novel survey data elements including the NHANES Accelerometer module, the analysis of IGF proteins in NHANES surplus serum and development of the walking and walking environment questions in NHIS.

- Managing a portfolio of grants and contracts
- Sharing and presenting across NIH, and at conferences and workshops nationally and internationally (Multiple times per year)
- Received six NIH Merit Awards

Training Positions

1999-2003 Cancer Prevention and Control Fellowship, National Cancer Institute
 1998-1999 Lecturer/Researcher. Department of Zoology, University of Washington, Seattle WA
 1996-1998 Researcher, Department of Zoology, University of Washington, Seattle WA
 1995-1996 Visiting Researcher, Department of Genetics, La Trobe University, Melbourne Australia
 1993-1995 Researcher, Department of Zoology, University of Washington, Seattle WA
 1990-1993 Graduate Fellow PHS Genetics Training Grant, University of Utah, UT
 1983-1985 Research Technician, Academy of Natural Sciences, Philadelphia PA
 1981-1983 Part-time Laboratory Technician, Reed College, Department of Biology

Notable Projects

- 2021 Active Living Conference 2022, NCI Co-host and Ex Officio Steering Committee member w/Heather Bowles, Frank Perna and Dana Wolff-Hughes
- 2021 NCCOR Coordinating Center Contract recompetete development and COR-2 certification maintenance/renewal
- 2021 180 day detail with NINR to develop new strategic directions concerning evaluation of Natural Experiments
- 2020 COVID-19 30 Day Deployments
- Information Management Support FEMA Regions 9 and 10 April 15th – May 13th
 - Team member, ASPR Emergency Management and Medical Operations (EMMO) Office in the COVID-19 Health Care Resilience Workgroup
- 2020 Technical Co-lead (w/Kathy Watson CDC). Youth Energy Expenditure Spanish Translation Project: <https://www.nccor.org/wp-content/uploads/2020/05/NCCOR-YouthComp-ES-Final.pdf>
- 2020 Alcohol and Cancer NOSI development (w/Tanya Agurs-Collins) - <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-20-034.html>
- 2020 Tobacco and Alcohol Supplement NOSI (w/Carolyn Reyes-Guzman and Tanya Agurs-Collins) - <https://grants.nih.gov/grants/guide/notice-files/NOT-CA-20-039.html>
- 2020 NCCOR Workshop co-organizer: Feb. 2020 Atlanta - Advancing Measurement of Policies and Environments
- 2019 NCI Co-lead w/Jill Reedy, 2019 release of NCCOR Measures Registry Learning Modules - <https://www.nccor.org/nccor-tools/measures-registry-learning-modules/>
- 2019 Steering Committee Member, Fogarty Center Childhood Obesity Prevention Across Borders: The Promise of US-Latin American Research Collaboration, Nov. 13-14
- 2019 Steering Committee Member, TRB Conference on Health and Active Transportation Dec. 11-12, 2019

- 2019 Project Lead: ADOPT Core Measures Data Layers project with Westat Contract support - <https://gis.cancer.gov/research/adopt.html>
- 2019 SBIR Concept released: Information Technology Tools for Automated Analysis of Physical Activity, Performance, and Behavior from Images for Improved Cancer Health - <https://sbir.cancer.gov/funding/contracts/409>
- 2019 NCCOR Workshop co-organizer: May 2019 DC - Advancing Individual Measurement
- 2019 Activities Completed over Time in 24 Hours (ACT24) Beta Release (With Chuck Matthews, DCEG) - <https://dceg.cancer.gov/research/how-we-study/exposure-assessment/physical-activities-completed-over-time-24-hours-act-24>
- 2018 Member AAG Geography and Health Theme Advisory Group
- 2018 NCI Commissioning Group - National Academies of Sciences, Engineering, and Medicine 2018. Improving Health Research on Small Populations: Proceedings of a Workshop. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25112>.
- 2017 December 2017 Pathways to Prevention “Methods for the Evaluation of Natural Experiments” Workshop (IC Co-lead w/C. Hunter (NIDDK) and SS Arteaga) <https://prevention.nih.gov/programs-events/pathways-to-prevention/workshops/evaluating-natural-experiments-obesity>
- 2017 NCCOR Measures project (Technical Co-lead w/ Dr. R. Ballard, Dr. Jill Reedy), Received \$1,600,000 grant funding, JBP Foundation)
- 2017 NCI Co-lead w/Jill Reedy, March 2017 release of NCCOR Measures Registry User Guides - <http://www.nccor.org/nccor-tools/mruserguides/>
- 2017 Updated Youth Compendium of Energy Expenditures <http://www.nccor.org/nccor-tools/youthcompendium/> (Co-Lead w/ J. Fulton, K. Watson, CDC)
- 2016 Member, NHLBI ADOPT Core Measures Work Group
- 2016 Phase 2 Review SBIR Topic 333 Software Tools for the Development of Environmental Measures Related to Cancer Health Behaviors and Resources
- 2016 Conference Organizer “Geospatial Approaches to Cancer Control and Population Sciences (w/ Oh, Taplin, Ellison, Tatalovich) 300+ Attendees - <https://epi.grants.cancer.gov/events/geospatial/>
- 2015 NCCOR Measures Registry Guide development project (w/ Dr. Jill Reedy), \$365,000, JBP Foundation
- 2014 Conceived and Developed SBIR 333 Software Tools for the Development of Environmental Measures Related to Cancer Health Behaviors and Resources
- 2003+ Program Director for diverse grants related to energy balance and the environment
- 2013 Co-PI of Clinical Center Protocol “Metabolic and Physiological Consequences of Sedentary Breaks in Children w/ Britni Belcher (Lead), J. Yanovski et al. NICHD
- 2012 Urban Sprawl Data update Project (w/ Z. Tatalovich)
- 2011 Collaborative methods and analytical projects in TREC, NCCOR, and DCCPS Collaborators
- 2010 - NIH OBSSR OppNet participant and proposal development team member
- 2010- China Intervention Project – Lead Development of PA measurement scheme for pilot studies of life course influences on cancer and obesity
- 2010 Working group member, NHLBI Community Interventions in Childhood obesity project

- 2009 - NCI Co-lead, Measures Registry Project of the National Coalition for Childhood Obesity Research (<http://www.nccor.org/measures.html>)
- 2009 - Collaborator, Transdisciplinary Science Evaluation Project
- 2007 - Lead Development of Standardized Questionnaires of Walking & Bicycling Database (<http://appliedresearch.cancer.gov/tools/paq/>)
- 2007 - Collaboration in diverse programmatic and survey related tasks involving NCCOR, NHANES, CHIS, NHIS and TREC projects
- 2007 - Lead writing and release of Program Announcement (R01/R21) "Geographic and Contextual Influences on Energy Balance-Related Health Behaviors"
- 2007 - Grant and Contract officer for diverse surveillance related activities
- 2005 - Contributor to the design and administration of the Transdisciplinary Research in Energetics and Cancer (TREC) initiative.
- 2004 Effects of Urban Sprawl on Obesity in Youth: Longitudinal analysis of results from the National Labor Survey of Youth (With Reid Ewing)
- 2004 Addition of Street Connectivity and Land Use Characteristics Data to the 2001 California Health Interview Survey (With Dr. J. Dill)
- 2003- CDC/NCHS/NHANES III Surplus Serum Program, Serum Levels of Insulin-Like Growth Factor 1 (IGF-I) and IGF-I Binding Protein-3 (IGFBP-3) in US Adults (W/ Dr. Nancy Potischman, Dr. J. Carl Barrett, Dr. Rachel Ballard-Barbash)
- 2003- Mouse Models for Human Cancer Consortium Grant "Combined chemoprevention and exercise regimens for breast cancer prevention: effects on tumorigenesis and body composition in Wnt-1 transgenic mice" (J. Green, PI)
- 2003- Incorporation of questions concerning walking in multiple domains in the National Health Interview Survey (NHIS) and California Health Interview Survey (CHIS)

Training Grants

- 2002-2003 DCP/NCI Pilot Award, "Environmental correlates of physical activity and fitness in a cohort of US adults" (PI, \$8,589).
- 1996-1998 USDA/CSREES NRICGP Award 96-35302-3739, "The Cost of Acclimation to Temperature Extremes." (PI, \$82,000).
- 1995-1996 NSF International Program Award INT-942409, "The Cost of Acclimation." (PI, \$47,200).
- 1993-1995 NSF Award in Environmental Biology DEB-9303164, "The Evolution of Metabolic Rate in Response to Temperature." (Co-PI w/ R. B. Huey, \$69,600).
- 1991-1993 NSF Dissertation Improvement Grant "The Evolution of Age and Size at Maturity" (Co-PI w/E.L. Charnov, \$7,100).
- 1991-1993 Genetics Training Grant, Public Health Service, (Graduate Student Fellow, \$30,000).

AWARDS/HONORS

- NIH Merit Award, 2018, Youth Compendium of Energy Expenditure
- Outstanding poster at NIH Postbac Poster Day 2016 (Lead = B. Bingham)
- Nominee: 2016 Charles C. Shepard Science Award, CDC
- ISBNPA Best Paper award 2015 (Lead = M. Stamatakis)

NIH Merit Award, 2014, Geospatial Activities Workgroup
HHSinnovates 2014 Semifinalist *Updated Urban Sprawl Data for the United States*
CDC ATSDR Honor Award 2013 DCPC Nominee for Surveillance and Health Monitoring
NIH Merit Award, 2012 Science of Team Science
NIH Directors Award, 2011 National Collaborative for Childhood Obesity Research
NIH Merit Award, 2011 Transdisciplinary Research on Energetics and Cancer Centers
NIH Merit Award, 2009 Serum IGF Project
NIH Merit Award, 2005 Energy Balance
NIH Merit Award, 2004 Surveillance
Best Poster Award, 2003 Annual Meeting, American Society for Preventive Oncology, Philadelphia PA
Cancer Prevention Research Training Merit Award, 2002-2003, National Cancer Institute, Bethesda MD
Fellows Award for Research Excellence, 2003, National Institute of Health, Bethesda MD.
AACR-AstraZeneca Scholar-in-Training Award, 2002, American Association for Cancer Research, Frontiers in Cancer Prevention Research, Boston MA
Best Poster Competition (3rd Place), 2001, Cooper Institute Conference-Innovative Approaches to Physical Activity, Dallas TX

Web Resource Development/Leadership

Urban Sprawl Index Update (Co- Managed with Z. Tatalovich) (<http://gis.cancer.gov/tools/urban-sprawl>)
Measures Registry Project of the National Coalition for Childhood Obesity Research (Co-lead W/ Dr. Jill Reedy) (<http://www.nccor.org/measures.html>)
Standardized Questionnaires of Walking & Bicycling Database (Mothballed)
Youth Energy Expenditure Compendium, (Co-lead W/ Dr. Janet Fulton, Dr. K. Watson CDC) (<http://www.nccor.org/nccor-tools/youthcompendium/>)

MS/SUBMITTED (AVAILABLE ON REQUEST)

1. Carlson SA, Whitfield GP, Davis RT, Peterson EL, Berrigan D, Fulton JE. Associations between Perceptions and Measures of Weather and Walking, National Health Interview Survey – 2015. IN Revision, IJERPH.
2. Sydney G. O'Connor, Jill Reedy, Barry Graubard, Ashima Kant, Susan Czajkowski, David Berrigan. Circadian timing of eating and weight status among adults in the American Time Use Survey. In Revision, International Journal of Obesity.
3. Linsey Eldridge and David Berrigan. Structural Racism and Triple-Negative Breast Cancer among Black and White Women in the United States. Submitted, Health Equity.
4. A. Budenz, R. Moser, R. Eck, T. Agurs-Collins, WMP Klein, D. Berrigan. Awareness of Alcohol and Cancer Risk and the California Proposition 65 Warning Sign Updates: A Natural Experiment. Submitted Preventive Medicine.
5. David Berrigan, Andrew L. Dannenberg, Michelle Lee. Research Needs in Health and Active Transportation: Report on the 2019 Conference on Health and Active Transportation. MS

6. Kim Clevenger, Frank Perna, Richard Moser, David Berrigan. Difference-in-Difference and Cross-Sectional Analysis of State Recess Policy and Children's Physical Activity and Health. MS
7. Kim Clevenger and David Berrigan. Association of Recess Provision and Elementary School-Aged Children's Physical Activity, Adiposity, and Cardiorespiratory and Muscular Fitness. MS
8. Pedro F. Saint-Maurice, Barry I. Graubard, Richard P. Troiano, David Berrigan, Deborah A. Galuska, Janet E. Fulton, Charles E. Matthews. Number of Deaths Prevented Through Physical Activity Among US Adults. MS.

EDITED BOOKS

Geospatial Approaches to Energy Balance and Breast Cancer. Eds. D. Berrigan and N. Berger. 2019. Springer NY.

BOOK CHAPTERS/PROCEEDINGS/CIRCULARS

1. Pedro F. Saint-Maurice, Sonia Sousa, Gregory Welk, Charles E. Matthews, David Berrigan. Report-based Measures of Physical Activity: Features, Challenges, Applications, and Resources. 2020. In **"The Routledge Handbook of Youth Physical Activity"**. Eds TA Brusseau, S. Fairclough, DR Luban. Routledge International Handbooks. Routledge. New York.
2. Berrigan, D., E. Christopher, A. Dannenberg, C. McAndrews, K. Pollack-Porter, I.N. Sener, C. Kochtitzky, K. Rose. 2019. **Public Health and Transportation**. TRB Centennial Paper. [http://onlinepubs.trb.org/onlinepubs/centennial/papers/ADD55TandADD50\(1\).pdf](http://onlinepubs.trb.org/onlinepubs/centennial/papers/ADD55TandADD50(1).pdf)
3. David Berrigan and Nathan Berger. **Putting Cancer in its Place: Geospatial Approaches to Energy Balance and Breast Cancer** pp. v-ix in Geospatial Approaches to Energy Balance and Breast Cancer. Eds. D. Berrigan and N. Berger. 2019. Springer NY.
4. TRB's E-Circular 239: **Arterial Roadways Research Needs and Concerns: Informing the Planning, Design, and Operation of Arterial Roadways Considering Public Health**. Task Force on Arterials and Health. 2018 65 pp. <http://onlinepubs.trb.org/onlinepubs/circulars/ec239.pdf>
5. Lauren Fordyce, David Berrigan and Shobha Srinivasan. 2018. Social Determinants of Health and the Environmental Exposures: A Promising Partnership. Pp 395-414 in **Translational Toxicology and Therapeutics: Windows of Developmental Susceptibility and Cancer**. Eds MD Waters and CL Hughes. Wiley and Sons.
6. Fowler, S., G. Willis, R. Moser, R. Ferrer, D. Berrigan. **Use of Amazon MTurk Online Marketplace for Questionnaire Testing and Experimental Analysis of Survey Features**. 2015 Proceedings of the Federal Committee on Statistical Methodology.
7. Willis, G. B., M. Stapleton Kudela, K. Levin, A. Norberg, D. S. Stark, B. H. Forsyth, P. Dean Brick, D. Berrigan, F. E. Thompson, D. Lawrence, A. Hartman . **Evaluation of a Multi-Step Survey Translation Process in Survey Methods in Multinational, Multiregional, and Multicultural Contexts**. Series: Wiley Series in Survey Methodology Published Online: 5 May 2010 Editor(s): J.A. Harkness, M. Braun, B. Edwards, T. P. Johnson, L. Lyberg, P. Ph. Mohler, B.-Ellen Pennell, T. W. Smith.

Winner - 2013 American Association for Public Opinion Research (AAPOR) book award "to recognize influential books that have stimulated theoretical and scientific research in public opinion; and/or influenced our understanding or application of survey research methodology".
8. Ballard-Barbash, R., D. Berrigan, N. Potischman E. Dowling. Obesity and Cancer Epidemiology. **Energy Balance and Cancer, Epidemiology and Overview**. 2010. Springer Press. Ed. Nathan A. Berger

9. Berrigan, D., R. McKinnon, G. Dunton, L. Huang, R. Ballard-Barbash. **Geographic and Contextual Effects on Energy Balance Related Behaviors and Cancer**. Energy Balance and Cancer, Epidemiology and Overview. 2010. Springer Press. Ed. Nathan A. Berger
10. Spruijt-Metz, D., D. Berrigan, L. A. Kelly, R. McConnell, D. Dueker, G. Lindsey, A. A. Atienza, S. Nguyen-Rodriguez, M. L. Irwin, J. Wolch, M. Jerrett, Z. Tatalovich, and S. Redline. 2009. **Measures of Physical Activity and Exercise**. Chapter 6 of the Handbook of Assessment Methods for Eating Behaviors and Weight-Related Problems. Ed. D. B. Allison. Sage Publications Inc. Thousand Oaks CA.
11. Berrigan, D. and S. M. Scheiner. 2004. **Modeling the Evolution of Phenotypic Plasticity**. Pp. 82-97 in TJ DeWitt & SM Scheiner, Eds. Plasticity. Functional and Conceptual Approaches. Oxford University Press
12. Huey, R. B. and D. Berrigan. 1996. **Testing evolutionary hypotheses of acclimation**. pp. 205-238. SEB Seminar Series. Phenotypic and Evolutionary Adaptation to Temperature. (eds I.A. Johnston and A. F. Bennett) Cambridge University Press

PEER REVIEWED PUBLICATIONS

1. Pedro F. Saint-Maurice, David Berrigan, Geoffrey P Whitfield, Kathleen B. Watson, Shreya Patel, Erikka Loftfield, Joshua N. Sampson, Janet Fulton, Charles E. Matthews. Amount, Type, and Timing of Moderate-to-Vigorous Physical Activity Among US Adults. In Press, JPAH
2. Charles E. Matthews, Susan A. Carlson, Pedro Saint-Maurice, Shreya Patel, Elizabeth Salerno, Erikka Loftfield, Richard P. Troiano, Janet Fulton, Joshua N. Sampson, Calvin Tribby, Sarah Keadle, David Berrigan. Sedentary Behavior in United States Adults. MSSE 2021 Jul 23.
3. Rachel Ballard, A. Sonia Arteaga, David Berrigan, Heather Devlin, Deborah A Galuska, Heather Hamner, Laura Kettel Khan, Latetia Freeman Moore, TusaRebecca Pannuci, Jill Reedy, Amanda Sharfman. Challenges and Opportunities for Advancing Measurement to Address Childhood Obesity: Results of Three Workshops. In Press, AJPM.
4. Britni R. Belcher, Dana L. Wolff-Hughes, Erin E. Dooley, John Staudenmayer, David Berrigan, Mark S. Eberhardt, Richard P. Troiano. U.S. Population-Referenced Percentiles for Wrist-Worn Accelerometer-Derived Activity. In Press, MSSE 2021 Jun 11.
5. Kosuke Tamura, Kaveri Curlin, Sam J. Neally, Nithya P. Vijayakumar, Valerie M. Mitchell, Billy Collins, Cristhian Gutierrez Huerta, James F. Troendle, Yvonne Baumer, Foster Baah, Briana Turner, Brian Tirado, Erika Ortiz-Chaparro, David Berrigan, Nehal Mehta, Viola Vaccarino, Shannon Zenk, and Tiffany M. Powell Wiley. Pilot Study for Geospatial Analysis of Neighborhood Environmental Stress in Relation to Biological Markers of Cardiovascular Health and Health Behaviors in Women. JMIR Research Protocols 2021 Jul 22;10(7):e29191
6. Calvin Tribby and David Berrigan. Homeschool Student Physical Activity Compared to Public/Private School Students: Results from the 2017 US National Household Travel Survey. Journal of School Health, 2021 Mar 25. doi: 10.1111/josh.13011
7. Susan Vorkoper, S. Sonia Arteaga, David Berrigan, Kevin Bialy, Andrew Bremer, Susan Czajkowski, Elizabeth Neilson, Stavroula K. Osganian, Charlotte Pratt, LeShawndra N. Price, Makeda J. Williams, Paul Cotton, Derrick Tabor, Jenelle Walker, Nalini Anand. Childhood Obesity Prevention Across Borders: An NIH Commentary. Obes Rev. 2021 Mar 19:e13243. doi: 10.1111/obr.13243
8. David Berrigan, Sonia Arteaga, Uriyoán Colón-Ramos, Lisa G. Rosas, Rafael Monge Rojas, Teresia M. O'Connor, Rafael Pérez-Escamilla, Elizabeth SF Roberts, Brisa Sanchez, Martha Maria Téllez-Rojo, Susan Vorkoper and the Cross Borders Working Group. Measurement Challenges for

Childhood Obesity Research Within and Between Latin America and the United States. *Obes Rev.* 2021 May 4:e13242

9. Calvin P. Tribby, Anne K. Julian, April Y. Oh, Frank M. Perna and David Berrigan. Associations between ultraviolet radiation, tree cover and adolescent sunburns *International Journal of Health Geographics*, **19**, Article number: 59 (2020).
10. Julian Reed, Rachel Ballard, Michael Hill, David Berrigan. Identification of effective programs to improve access to and use of trails among youth from under-resourced communities: A review. *IJERPH* 2020, **17**(21), 7707
11. David Berrigan, Ailing Liu, Britni R. Belcher, Ann Chao, Liwen Fang, Xiaofeng Liang, Guansheng Ma, Charles E. Matthews, Fanweng Meng, Baohua Wang, Linhong Wang, Ning Wang, Yu Wang, Feng Yajing, Lichen Yang, Peng Yin, Martha S. Linet, Nancy Potischman. Physical Activity, Step Counts and Grip Strength in the Chinese Children and Families Cohort Study. *IJERPH* 2020, **17**(17), 6202.
12. Tribby CP, Graubard BI, Berrigan D. National and metropolitan trends in public transit use, transit-related walking, and ridesharing between 2009 and 2017. *Journal of Transport and Health*, **19**:100918 DOI:[10.1016/j.jth.2020.100918](https://doi.org/10.1016/j.jth.2020.100918)
13. Charles E. Matthews, Richard P. Troiano, Elizabeth A. Salerno, David Berrigan, Shreya B. Patel, Eric J. Shiroma, Pedro F. Saint-Maurice. Exploration of Confounding Due to Poor Health in an Accelerometer-Mortality Study. *Med Sci Sports Exerc.* 2020 Dec;**52**(12):2546-2553
14. Watson KB, Whitfield GP, Thomas JV, Berrigan D, Fulton JE, Carlson SA. Associations Between the National Walkability Index and Walking Among US Adults— National Health Interview Survey, 2015. *Prev Med.* 2020 Aug;**137**:106122.
15. Tribby CP, Oh A, Perna F, Berrigan D. Adolescent Physical Activity at Public Schools, Private Schools, and Homeschools, United States, 2014. *Prev Chronic Dis* 2020;**17**:190450.
16. Sprague N, Berrigan D, Ekenge C. An Analysis of the Educational and Health-Related Benefits of Nature-Based Environmental Education in Low-Income Black and Hispanic Children. *Health Equity.* 2020 May **18**;4(1):198-210
17. Jennifer Zink, David A. Berrigan, Miranda M. Broadney, Faizah Shareef, Alexia Papachristopoulou, Sheila M. Brady, Shanna B. Bernstein, Robert J. Brychta, Jacob D. Hattenbach, Ira L. Tigner, Jr., Amber B. Courville, Bart E. Drinkard, Kevin P. Smith, Douglas R. Rosing, Pamela L. Wolters, Kong Y. Chen, Jack A. Yanovski, Britni R. Belcher. The effects of interrupting sitting time on affect and state anxiety of normal weight and overweight: A randomized crossover trial. *Pediatr Exerc Sci.* 2020 Mar **12**:1-8.
18. Nucharapon Liangruenrom; Melinda Craike; Dorothea Dumuid; Stuart Biddle; Catrine Tudor-Locke; Barbara Ainsworth; Chutima Jalayondeja; Theun Pieter van Tienoven; Ugo Lachapelle; Djiwo Weenas; David Berrigan; Timothy Olds; Zeljko Pedisic. Standardised criteria for classifying the International Classification of Activities for Time-Use Statistics (ICATUS) activity groups into sleep, sedentary behavior, and physical activity. *Int J Behav Nutr Phys Act.* 2019 Nov **14**;16(1):10
19. Tiffany M. Powell-Wiley, Samson Gebreab, Sophie Claudel; Colby Ayers; Marcus Andrews, Joel Adu-Brimpong, David Berrigan, Sharon Davis. The Relationship between Neighborhood Socioeconomic Deprivation and Telomere Length: NHANES 1999-2002. *SSM Popul Health.* 2019 Nov **16**;10:100517
20. Breen, N, Wood, F, Zhang, Z, Berrigan, D, Denny, JC, Wong, D, Jackson, JS, Bourne, PE. Translational Health Disparities Research in a Data Rich World. 2019. *Health Equity.* 2019 Nov **8**;3(1):588-600.
21. Lilian G. Perez; John M. Ruiz; David Berrigan. Neighborhood environment perceptions among Latinos in the US. *Int J Environ Res Public Health.* 2019 Aug **23**;16(17)

22. Tribby CP, Perna FM, Berrigan D. Walking and sun protective behaviors: cross-sectional associations of beneficial health factors. *Int J Environ Res Public Health*. 2019 Jul 3;16(13)
23. Tribby CP, Berrigan D, Perna FM. Cross-sectional Association between Walking and Sunburn: A Potential Trade-off between Cancer Prevention and Risk Factors *Ann Behav Med*. 2019 Jul 9. pii: kaz028. doi: 10.1093/abm/kaz028.
24. Harms, T., D. Berrigan, J. Gershuny. Daily metabolic expenditures: Estimates from US, UK and Polish time-use data. *BMC Public Health* 2019 Jun 3;19(Suppl 2):453
25. Charles E. Matthews, David Berrigan, Beate Fischer, Sjaan R Gomersall, Andrea Hillreiner, Youngwon Kim, Michael F. Leitzmann, Pedro Saint-Maurice, Timothy S. Olds, and Gregory J. Welk. Use of previous-day recalls of physical activity, sedentary behavior, and sleep in epidemiologic studies: results from four instruments. *BMC Public Health*. 2019 Jun 3;19(Suppl 2):478.
26. Genevieve Dunton, David Berrigan, Deborah R Young, Karin A Pfeiffer, Sandy J Slater, and Russell R Pate. Strategies to Improve Physical Activity Surveillance among Youth in the United States. *J Pediatr*. 2019 Jul;210:226-231.
27. Perez, L. A. Oh, L. Dwyer, F. Perna, D. Berrigan. School contextual correlates of physical activity among a national adolescent sample. *Prev Med Rep*. 2019 Feb 27;14:100835
28. Whitsel LP, Arena R, Kaminsky LA, Berrigan D, Katzmarzyk PT, Calitz C, Grossmeier J, Pshock J, Lobelo F, Pronk NP. Assessing Physical Activity, Sedentary Behavior, and Cardiorespiratory Fitness in Worksite Health Promotion. *Am J Health Promot*. 2019 Feb;33(2):318-326.
29. Whitfield, G. Susan Carlson; Emily Ussery; Kathleen Watson; David Berrigan; Janet Fulton. National-Level Environmental Perceptions and Walking among Urban and Rural Residents: Informing Surveillance of Walkability *Prev Med*. 2019 Mar 13;123:101-108.
30. Carlson, JA, Hipp, JA, Kerr, J, Horowitz, T, Berrigan, D Unique Views on Obesity-Related Behaviors and Environments: Research Using Still and Video Images. *Journal for Measurement of Physical Behaviour*. 2018 1(3):143-154
31. Xiao, Q, Berrigan, D, Powell-Wiley, T, Matthews, CE. Ten-Year Change in Neighborhood Socioeconomic Deprivation and Rates of Total, Cardiovascular Disease, and Cancer Mortality in Older US Adults.. *Am J Epidemiol*. 2018 Dec 1;187(12):2642-2650.
32. Susan A. Carlson, Geoffrey P. Whitfield, Erin L. Peterson, Emily N. Ussery, Kathleen B. Watson, David Berrigan, Janet E. Fulton. Geographic and Urban-Rural Differences in Walking for Leisure and Transportation. *Am J Prev Med*. 2018 Dec;55(6):887-895.
33. Matthews CE, Keadle SK, Saint-Maurice PF, Moore SC, Willis EA, Sampson JN, Berrigan D. Use of Time and Energy on Exercise, Prolonged TV Viewing, and Work Days. *Am J Prev Med*. 2018 Sep;55(3):e61-e69
34. Matthews CE, Keadle SK, Berrigan D, Staudenmayer J, Maurice PS, Troiano RP, Freedson PS. Influence of Accelerometer Calibration Approach on MVPA Estimates for Adults. *Med Sci Sports Exerc*. 2018 Jun 21.
35. Pate et al. Community Programs and Policies and Children's Physical Activity: The Healthy Communities Study. 2018 *Pediatric Obesity* Jun 13. doi: 10.1111/ijpo.12426
36. Potischman et al .[+28 further authors]. The Chinese Children and Families Cohort Study: The Nutrition, Physical Activity, and Ultraviolet Radiation Data Collection. *Nutrition Today* 2018 53:104-114.
37. Saint-Maurice, P. Troiano, RP, Berrigan, D, Kraus, W, Matthews, CE. Volume of Light versus Moderate-to-Vigorous Physical Activity: Similar Benefits for All-Cause Mortality? *Journal of the American Heart Association*. 2018 Apr 2;7(7).

38. Geoffrey Whitfield, Susan Carlson; Emily Ussery; Kathleen Watson; David Brown; David Berrigan; Janet Fulton. Racial and ethnic differences in perceived safety barriers to walking, United States National Health Interview Survey – 2015. *Prev Med.* 2018 Jun 9;114:57-63
39. Emily Ussery et al. 2018. Transportation and Leisure Walking among US Adults: Trends in Reported Prevalence and Volume, NHIS 2005-2015. *Am J Prev Med.* 2018 Aug 20.
40. Hamidi, S., R. Ewing, Z. Tatalovich, J.B. Grace, D. Berrigan. Associations between Urban Sprawl and Life Expectancy in the United States. *IJERPH* 2018 Apr 26;15(5)
41. Xiao, Q, Keadle, SK, Berrigan, D, Matthews, CE. A prospective investigation of neighborhood socioeconomic deprivation and physical activity and sedentary behavior in older adults. *Preventive Medicine.* 2018 Jun;111:14-20
42. Saelens, BE, Arteaga, SS, Berrigan, D, Ballard, RM, Gorin, A, Powell-Wiley, T, Pratt, C, Reedy, J, Zenk, SN. Accumulating Data to Optimally Predict Obesity Treatment (ADOPT) Core Measures: Environmental Domain. *Obesity* 2018 Apr;26 Suppl 2:S35-S44
43. Koryzinski, RW, Tennant, BL., Cawley, MA, Bloodgood, BA, Oh, AY, Berrigan, D. Geospatial Research at the NCI-designated Cancer Centers. *Cancer Causes and Control* 2018 Mar;29(3):371-377
44. Geoffrey P Whitfield, Susan A Carlson, Emily N Ussery, Kathleen B Watson, David Berrigan, Janet E Fulton. [Environmental Supports for Physical Activity, National Health Interview Survey-2015](#). *Am J Prev Med.* 2018 Feb;54(2):294-298
45. Nancy F. Butte, Kate Ridley, Kathleen B. Watson, Issa F. Zakeri, Robert G. McMurray, Karin A. Pfeiffer, Scott E. Crouter, Stephen D. Herrmann, David R. Bassett, Alexander Long, Zekarias Berhane, Stewart G. Trost, Barbara E. Ainsworth, David Berrigan (co-chair), Janet E. Fulton (co-chair). Youth Compendium of Physical Activities: Activity Codes and Metabolic Intensities. *Med Sci Sports Exerc.* 2018 Feb;50(2):246-256
46. K.A. Pfeiffer, K.B. Watson, R.G. McMurray, D.R. Bassett, N.F. Butte, S.E. Crouter, S. Herrmann, S. G. Trost, B.E. Ainsworth, J.E. Fulton, D. Berrigan for the CDC/NCI/NCCOR Research Group on Energy Expenditure in Children. Energy Cost Expression for a Youth Compendium of Physical Activities. *Pediatr Exerc Sci.* 2017 Nov 11:1-8
47. McAndrews C. Pollack K., Berrigan D., Dannenberg A. Christopher, E. Understanding and Improving Arterial Roads to Support Public Health and Transportation Goals. *Am J Public Health.* 2017 Aug;107(8):1278-1282
48. Emily N. Ussery, Susan A. Carlson, Geoffrey P. Whitfield, Kathleen B. Watson; David Berrigan, Janet E. Fulton. Trends in Walking for Transportation or Leisure Among U.S. Adults — National Health Interview Survey, 2005–2015. *MMWR Morb Mortal Wkly Rep.* 2017 Jun 30;66(25):657-662
49. Fowler, SL., D. Berrigan, KM Pollack. Promoting bicycling transportation in an urban environment: Examining barriers among riding and non-riding Baltimore City residents. *J. Trans. and Health* 2017 6:474-480.
50. Jean N. Utumatwishima, Rafeal L. Baker, Jr., Brianna A. Bingham, Stephanie T. Chung, David Berrigan, Anne E. Sumner. Stress Measured by Allostatic Load Score Varies by Reason for Immigration: the Africans in America Study. *Journal of Racial and Ethnic Health Disparities.* 2017 Apr 25. doi: 10.1007/s40615-017-0368-7
51. Schootman M, Gomez SL, Henry KA, Paskett ED, Ellison GL, Oh A, Taplin SH, Tatalovich Z, Berrigan DA. Geospatial Approaches to Cancer Control and Population Sciences. *Cancer Epidemiol Biomarkers Prev.* 2017 Mar 21.
52. Xiao, Qian, David Berrigan, Sarah K. Keadle, Charles E. Matthews. Neighborhood Socioeconomic Deprivation and Weight Change in a Large U.S. Cohort. *Am J Prev Med.* 2017 Mar 15

53. Joel Adu-Brimpong, Nathan Coffey, Colby Ayers, David Berrigan, Leah Yingling, Samantha Thomas, Valerie Mitchell, Tiffany M. Powell-Wiley, Best practices for virtual audits of the built environment. *Int J Environ Res Public Health*. 2017 Mar 8;14(3).
54. Xinzhi Zhang, Eliseo J. Pérez-Stable, Philip Bourne, Emmanuel Peprah, Kenrik Duru, Nancy Breen, David Berrigan, Fred Wood, James S. Jackson, David W. S. Wong, Josh Denny. Big Data Science: Opportunities and Challenges to Address Minority Health and Health Disparities in the 21st Century. *Ethnicity and Disease* 2017 Apr 20;27(2):95-106
55. Byrd, D., Agurs-Collins, T. Berrigan, D. Thompson, F. Racial and ethnic differences exist in dietary intake, physical activity and body mass index among cancer survivors: 2005 and 2010 National Health Interview Surveys. *Journal of Racial and Ethnic Health Disparities*, 2017 Dec;4(6):1138-1146
56. Brianna A Bingham, Michelle T Duong, Madia Ricks, Lilian S Mabundo, Rafael L Baker, Jr., Jean N. Utumatwishima, Margaret Udahogora, David Berrigan, Anne E Sumner. The Association between Stress, Measured by Allostatic Load Score, and Physiologic Dysregulation in African Immigrants: The Africans in America Study. *Frontiers in Endocrinology*. *Front Public Health*. 2016 Nov 25;4:265
57. Qian Xiao, David Berrigan, Sarah K. Keadle, Charles E. Matthews. A prospective investigation of neighborhood socioeconomic deprivation and weight change in a large US cohort. *Health Place*. 2017 Mar;44:70-76
58. Jacqueline Kerr, Catherine R. Marinac, Suneeta Godbole, Aaron Hipp, Karen Glanz, Jonathan Mitchell, Francine Laden, Peter James, David Berrigan. Comparison of accelerometry methods for estimating physical activity. *Med Sci Sports Exerc*. 2017 Mar;49(3):617-624
59. Charles E. Matthews, Sarah Kozey Keadle, Richard P. Troiano, Lisa Kahle, Annemarie Koster, Robert Brychta, DR Van Domelen, Paolo Caserotti, Kong Y. Chen, Tamara B. Harris, David Berrigan. Accelerometer measured dose-response for physical activity, sedentary time, and mortality in United States adults. *Am J Clin Nutr*. 2016 Nov;104(5):1424-1432
60. Wolff-Hughes D. L., J. J. McClain, K. W. Dodd, D. Berrigan, and R. P. Troiano. Number of monitoring days needed for accurate population weekly activity estimates. *Physiol Meas*. 2016 Sep;37(9):1447-55
61. David Berrigan, Richard P Troiano and Barry I. Graubard BMI and Mortality: The Limits of Epidemiological Evidence. *Lancet*. 2016 Aug 20;388(10046):734-6
62. Peter James (Co-First), Marta Jankowska (Co-First), Christine Marx, Jaime E. Hart, David Berrigan, Jacqueline Kerr, Philip M. Hurvitz, J. Aaron Hipp, Francine Laden. Unanswered Questions in ‘Spatial Energetics’ Research. *Am J Prev Med*. 2016 Nov;51(5):792-800
63. Janet E. Fulton, Susan A. Carlson, Barbara Ainsworth, David Berrigan, Cynthia Carlson, Joan M. Dorn, Gregory W. Heath, Harold W. Kohl, II, I-Min Lee, Sarah M. Lee, Louise C. Mâsse, James R. Morrow, Jr., Kelley Pettee Gabriel, James M. Pivarnik, Nicolaas P. Pronk, Brian E. Saelens, James F. Sallis, Richard P. Troiano, Catrine Tudor-Locke, Arthur Wendel. CDC / ACSM Roundtable Statement: Strategic Priorities for Physical Activity Surveillance in the United States. *Med Sci Sports Exerc*. 2016 Oct;48(10):2057-69.
64. Fishman EI, Steeves JA, Zipunnikov V, Koster A, **Berrigan D**, Harris TA, Murphy R. Association between Objectively Measured Physical Activity and Mortality in NHANES. *Med Sci Sports Exerc*. 2016 Jul;48(7):1303-11.
65. **Stamatakis, E. K. Rogers, D. Ding, D. Berrigan, J. Chau, M. Hamer, A. Bauman. All-cause mortality effects of replacing sedentary time with physical activity and sleeping: a prospective study of 201,129 mid-aged and older adults. *IJBNPA* 2015 Sep 30;12:121

66. Britni R. Belcher, David Berrigan, Alexia Papachrisotopoulou, Sheila M. Brady, Shanna B. Bernstein, Robert J. Brychta, Jacob D. Hattenbach, Ira L. Tigner Jr, Amber B. Courville, Bart E. Drinkard, Kevin P. Smith, Douglas R. Rosing, Pamela L. Wolters, Kong Y. Chen, and Jack A. Yanovski. Effects of interrupting children's sedentary behaviors with activity on metabolic function: A randomized trial. *J Clin Endocrinol Metab.* 2015 Oct;100(10):3735-43.
67. McMurray, R. G., N.F. Butte, S.E. Crouter , S.G. Trost, K.A. Pfeiffer, D.R. Bassett, M.R. Puyau[¶], D. Berrigan, K.B. Watson, and J.E. Fulton: Exploring Metrics to Express Energy Expenditure of Physical Activity in Youth. *PLOSOne* 2015 Jun 23;10(6):e0130869.
68. Kwak, L., D. Berrigan, D. Van Domelen, M. Sjöström, M. Hagströmer. Explaining gender differences in physical activity levels by differences in employment status and/or job type: A cross-national comparison. *J Sci Med Sport.* 2015 Jun 4
69. Powell-Wiley TM, Cooper-McCann R, Ayers C, Berrigan D, Lian M, McClurkin M, Ballard-Barbash R, Das SR, Hoehner CM, Leonard T. Change in Neighborhood Socioeconomic Status and Weight Gain: Dallas Heart Study. *Am J Prev Med.* 2015 Jul;49(1):72-9.
70. Srinivasan, S., RP Moser, G. Willis, W. Riley, M. Alexander, D. Berrigan, S. Kobrin. Small Is Essential: importance of Subpopulation Research in Cancer Control. *AJPH*, 2015. Jul;105 Suppl 3:S371-3.
71. Berrigan D., A. Hipp, P. M. Hurvitz, P. James, M. Jankowska, J. Kerr, F. Laden, T. Leonard, R. McKinnon, T. M. Powell-Wiley, E. Tarlov, S. N. Zenk and the TREC Social and Contextual Measures and Methods Work Group. Geospatial and Contextual Approaches to Energy Balance and Health. *Annals of GIS.* 2015. 21:157-168.
72. Paul, P., S. A. Carlson, D. D. Carroll, D. Berrigan, J. E. Fulton. Walking for Transportation and Leisure among U.S. Adults – National Health Interview Survey 2010. *Phys Act Health.* 2014 Aug 15.
73. Belcher BR, Moser RP, Dodd KW, Atienza AA, Ballard-Barbash R, Berrigan D: Self-reported vs. accelerometer physical activity and biomarkers among NHANES youth. 2014 JPAH Jun 4 Epub
74. Berrigan D, Tatalovich Z, Pickle LW, Ewing R, Ballard-Barbash R. Urban sprawl, obesity, and cancer mortality in the United States: Cross-sectional analysis and methodological challenges. *International Journal of Health Geographics* 2014;13.
75. Powell-Wiley TM, Ayers C, Agyemang P, Leonard T, Berrigan D, Ballard-Barbash R, Lian M, Das SR, Hoehner CM. Neighborhood-level socioeconomic deprivation predicts weight gain in a multi-ethnic population: Longitudinal data from the Dallas Heart Study. *Preventive Medicine* 2014;66:22-27.
76. Oh A, Erinoshio T, Dunton G, Perna FM, Berrigan D. Cross-sectional examination of physical and social contexts of episodes of eating and drinking in a national sample of US adults. *Public Health Nutrition* 2014;17(12):2721-2729.
77. McClain JJ, Lewin DS, Laposky AD, Kahle L, Berrigan D. Associations between physical activity, sedentary time, sleep duration and daytime sleepiness in US adults. *Preventive Medicine* 2014;66:68-73.
78. James P, Berrigan D, Hart JE, Hipp JA, Hoehner CM, Kerr J, Major JM, Oka M, Laden F. Effects of buffer size and shape on associations between the built environment and energy balance. *Health & Place* 2014;27:162-170.
79. White JT, DeSanto CL, Gibbons C, Lardner CK, Panakos A, Rais S, Sharp K, Sullivan SD, Tidhar W, Wright L, Berrigan D, Heideman PD. Insulins, leptin and feeding in a population of *Peromyscus leucopus* (white-footed mouse) with variable fertility. *Hormones and Behavior* 2014;66(1):169-179.

80. Ballard-Barbash R, Siddiqi SM, Berrigan DA, Ross SA, Nebeling LC, Dowling EC. Trends in research on energy balance supported by the National Cancer Institute. *American Journal of Preventive Medicine* 2013;44(4):416-423.
81. Hall KL, Stokols D, Stipelman BA, Vogel AL, Feng A, Masimore B, Morgan G, Moser RP, Marcus SE, Berrigan D. Assessing the value of team science a study comparing center- and investigator-initiated grants. *American Journal of Preventive Medicine* 2012;42(2):157-163.
82. McKinnon RA, Reedy J, Berrigan D, Krebs-Smith SM, Catalogue N, Registry W. The National Collaborative on Childhood Obesity Research Catalogue of Surveillance systems and Measures Registry new tools to spur innovation and increase productivity in childhood obesity research. *American Journal of Preventive Medicine* 2012;42(4):433-435.
83. McClain JJ, Grant D, Willis G, Berrigan D. Effect of temporal domain on self-reported walking behaviors in the California Health Interview Survey. *Journal of Physical Activity & Health* 2012;9(3):344-351.
84. Koster A, Caserotti P, Patel KV, Matthews CE, Berrigan D, Van Domelen DR, Brychta RJ, Chen KY, Harris TB. Association of sedentary time with mortality independent of moderate to vigorous physical activity. *Plos One* 2012;7(6).
85. Hearst MO, Sirard JR, Lytle L, Dengel DR, Berrigan D. Comparison of 3 measures of physical activity and associations with blood pressure, HDL, and body composition in a sample of adolescents. *Journal of Physical Activity & Health* 2012;9(1):78-85.
86. Erinoshio TO, Berrigan D, Thompson FE, Moser RP, Nebeling LC, Yaroch AL. Dietary intakes of preschool-aged children in relation to caregivers' race/ethnicity, acculturation, and demographic characteristics: Results from the 2007 California Health Interview Survey. *Maternal and Child Health Journal* 2012;16(9):1844-53.
87. George SM, Thompson FE, Midthune D, Subar AF, Berrigan D, Schatzkin A, Potischman N. Strength of the relationships between three self-reported dietary intake instruments and serum carotenoids: The observing energy and protein nutrition (open) study. *Public Health Nutrition* 2012;15(6):1000-1007.
88. Dunton GF, Berrigan D, Ballard-Barbash R, Perna F, Graubard BI, Atienza AA. Differences in the intensity and duration of adolescents' sports and exercise across physical and social environments. *Research Quarterly for Exercise and Sport* 2012;83(3):376-382.
89. Berrigan D, Carroll DD, Fulton JE, Galuska DA, Brown DR, Dorn JM, Armour B, Paul P. Vital signs: Walking among adults - United States, 2005 and 2010. *Morbidity and Mortality Weekly Report* 2012;61(31):595-601.
90. Berrigan D. Better measurement for healthier places. *Preventive Medicine* 2012;55(6):567-568.
91. Atienza AA, Moser RP, Perna F, Dodd K, Ballard-Barbash R, Troiano RP, Berrigan D. Self-reported and objectively measured activity related to biomarkers using NHANES. *Medicine and Science in Sports and Exercise* 2011;43(5):815-821.
92. Van Domelen DR, Koster A, Caserotti P, Brychta RJ, Chen KY, McClain JJ, Troiano RP, Berrigan D, Harris TB. Employment and physical activity in the U.S. *American Journal of Preventive Medicine* 2011;41(2):136-145.
93. Schmitz KH, Xie D, Teal V, Ballard-Barbash R, Berrigan D. Association of IGF axis hormones with waist-to-hip ratio varies by physical activity. *In Vivo* 2011;25(2):245-250.
94. Oh A, Dodd K, Ballard-Barbash R, Perna FM, Berrigan D. Language use and adherence to multiple cancer preventive health behaviors among Hispanics. *Journal of Immigrant and Minority Health* 2011;13(5):849-859.

95. Hoehner CM, Handy SL, Yan Y, Blair SN, Berrigan D. Association between neighborhood walkability, cardiorespiratory fitness and body-mass index. *Social Science & Medicine* 2011;73(12):1707-1716.
96. ** Bankoski A, Harris TB, McClain JJ, Brychta RJ, Caserotti P, Chen KY, Berrigan D, Troiano RP, Koster A. Sedentary activity associated with metabolic syndrome independent of physical activity. *Diabetes Care* 2011;34(2):497-503.
97. Berrigan D, Pickle LW, Dill J. Associations between street connectivity and active transportation. *International Journal of Health Geographics* 2010;9.
98. Yu W, Cline M, Maxwell LG, Berrigan D, Rodriguez G, Warri A, Hilakivi-Clarke L. Dietary vitamin d exposure prevents obesity-induced increase in endometrial cancer in pten(+/-) mice. *Cancer Prevention Research* 2010;3(10):1246-1258.
99. ** Hagstromer M, Troiano RP, Sjostrom M, Berrigan D. Levels and patterns of objectively assessed physical activity-a comparison between Sweden and the United States. *American Journal of Epidemiology* 2010;171(10):1055-1064.
100. Dunton GF, Berrigan D, Ballard-Barbash R, Perna FM, Graubard BI, Atienza AA. Adolescents' sports and exercise environments in a US time use survey. *American Journal of Preventive Medicine* 2010;39(2):122-129.
101. Berrigan D, Forsyth BH, Helba C, Levin K, Norberg A, Willis GB. Cognitive testing of physical activity and acculturation questions in recent and long-term Latino immigrants. *BMC Public Health* 2010;10.
102. Belcher BR, Berrigan D, Dodd KW, Emken BA, Chou C-P, Spruijt-Metz D. Physical activity in US youth: Effect of race/ethnicity, age, gender, and weight status. *Medicine and Science in Sports and Exercise* 2010;42(12):2211-2221.
103. Staiger J, Lueben MJ, Berrigan D, Malik R, Perkins SN, Hursting SD, Johnson PF. C/EBP beta regulates body composition, energy balance-related hormones and tumor growth. *Carcinogenesis* 2009;30(5):832-840.
104. Padovani M, Lavigne JA, Chandramouli GVR, Perkins SN, Barrett JC, Hursting SD, Bennett LM, Berrigan D. Distinct effects of calorie restriction and exercise on mammary gland gene expression in C57bl/6 mice. *Cancer Prevention Research* 2009;2(12):1076-1087.
105. Meissner HI, Yabroff KR, Dodd KW, Leader AE, Ballard-Barbash R, Berrigan D. Are patterns of health behavior associated with cancer screening? *American Journal of Health Promotion* 2009;23(3):168-175.
106. Huang L, Stinchcomb DG, Pickle LW, Dill J, Berrigan D. Identifying clusters of active transportation using spatial scan statistics. *American Journal of Preventive Medicine* 2009;37(2):157-166.
107. Faupel-Badger JM, Berrigan D, Ballard-Barbash R, Potischman N. Anthropometric correlates of insulin-like growth factor 1 (IGF-1) and IGF binding protein-3 (IGFBP-3) levels by race/ethnicity and gender. *Annals of Epidemiology* 2009;19(12):841-849.
108. Dunton GF, Berrigan D, Ballard-Barbash R, Graubard BI, Atienza AA. Environmental influences on exercise intensity and duration in a US time use study. *Medicine and Science in Sports and Exercise* 2009;41(9):1698-1705.
109. Dunton GF, Berrigan D, Ballard-Barbash R, Graubard B, Atienza AA. Joint associations of physical activity and sedentary behaviors with body mass index: Results from a time use survey of US adults. *International Journal of Obesity* 2009;33(12):1427-1436.

110. De Angel RE, Berrigan D, Nunez NP, Hursting SD, Perkins SN. Dietary calcium source influences body composition, glucose metabolism and hormone levels in a mouse model of postmenopausal obesity. *In Vivo* 2009;23(4):527-535.
111. Colbert LH, Westerlind KC, Perkins SN, Haines DC, Berrigan D, Donehower LA, Fuchs-Young R, Hursting SD. Exercise effects on tumorigenesis in a p53-deficient mouse model of breast cancer. *Medicine and Science in Sports and Exercise* 2009;41(8):1597-1605.
112. Berrigan D, Potischman N, Dodd KW, Hursting SD, Lavigne J, Barrett JC, Ballard-Barbash R. Race/ethnic variation in serum levels of IGF-i and IGFBP-3 in US adults. *Growth Hormone & Igf Research* 2009;19(2):146-155.
113. ** Troiano RP, Berrigan D, Dodd KW, Masse LC, Tilert T, McDowell M. Physical activity in the United States measured by accelerometer. *Medicine and Science in Sports and Exercise* 2008;40(1):181-188.
114. Yabroff KR, Troiano RP, Berrigan D. Walking the dog: Is pet ownership associated with physical activity in California? *Journal of Physical Activity & Health* 2008;5(2):216-228.
115. Rogers CJ, Berrigan D, Zaharoff DA, Hance KW, Patel AC, Perkins SN, Schlom J, Greiner JW, Hursting SD. Energy restriction and exercise differentially enhance components of systemic and mucosal immunity in mice. *Journal of Nutrition* 2008;138(1):115-122.
116. Nunez NP, Perkins SN, Smith NCP, Berrigan D, Berendes DM, Varticovski L, Barrett JC, Hursting SD. Obesity accelerates mouse mammary tumor growth in the absence of ovarian hormones. *Nutrition and Cancer-an International Journal* 2008;60(4):534-541.
117. Kruger J, Ham SA, Berrigan D, Ballard-Barbash R. Prevalence of transportation and leisure walking among US adults. *Preventive Medicine* 2008;47(3):329-334.
118. Dunton GF, Berrigan D, Ballard-Barbash R, Graubard BI, Atienza AA. Social and physical environments of sports and exercise reported among adults in the American Time Use Survey. *Preventive Medicine* 2008;47(5):519-524.
119. Berrigan D, Potischman N, Dodd KW, Nicar M, McQuillan G, Lavigne JA, Barrett JC, Ballard-Barbash R. Serum levels of insulin-like growth factor-1 and insulin-like growth factor-1 binding protein-3: Quality control for studies of stored serum. *Cancer Epidemiology Biomarkers & Prevention* 2007;16(5):1017-1022.
120. Walling BE, Munasinghe J, Berrigan D, Bailey MQ, Simpson RM. Intra-abdominal fat burden discriminated in vivo using proton magnetic resonance spectroscopy. *Obesity* 2007;15(1):69-77.
121. Saydah S, Graubard B, Ballard-Barbash R, Berrigan D. Insulin-like growth factors and subsequent risk of mortality in the United States. *American Journal of Epidemiology* 2007;166(5):518-526.
122. Nunez NP, Carpenter CL, Perkins SN, Berrigan D, Jaque SV, Ingles SA, Bernstein L, Forman MR, Barrett JC, Hursting SD. Extreme obesity reduces bone mineral density: Complementary evidence from mice and women. *Obesity* 2007;15(8):1980-1987.
123. Howerton MW, Bell BS, Dodd KW, Berrigan D, Stolzenberg-Solomon R, Nebeling L. School-based nutrition programs produced a moderate increase in fruit and vegetable consumption: Meta and pooling analyses from 7 studies. *Journal of Nutrition Education and Behavior* 2007;39(4):186-196.
124. Nunez NP, Oh WJ, Rozenberg J, Perella C, Anver M, Barrett JC, Perkins SN, Berrigan D, Moitra J, Varticovski L, Hursting SD, Vinson C. Accelerated tumor formation in a fatless mouse with type 2 diabetes and inflammation. *Cancer Research* 2006;66(10):5469-5476.

125. Berrigan D, Dodd K, Troiano RP, Reeve BB, Ballard-Barbash R. Physical activity and acculturation among adult Hispanics in the United States. *Research Quarterly for Exercise and Sport* 2006;77(2):147-157.
126. Berrigan D, Troiano RP, McNeel T, DiSogra C, Ballard-Barbash R. Active transportation increases adherence to activity recommendations. *American Journal of Preventive Medicine* 2006;31(3):210-216.
127. Colbert LH, Mai V, Tooze JA, Perkins SN, Berrigan D, Hursting SD. Negative energy balance induced by voluntary wheel running inhibits polyp development in *apc(min)* mice. *Carcinogenesis* 2006;27(10):2103-2107.
128. Ewing R, Brownson RC, Berrigan D. Relationship between urban sprawl and weight of United States youth. *American Journal of Preventive Medicine* 2006;31(6):464-474.
129. Frazier MR, Huey RB, Berrigan D. Thermodynamics constrains the evolution of insect population growth rates: "Warmer is better". *American Naturalist* 2006;168(4):512-520.
130. Thompson FE, Midthune D, Subar AF, McNeel T, Berrigan D, Kipnis V. Dietary intake estimates in the national health interview survey, 2000: Methodology, results, and interpretation. *Journal of the American Dietetic Association* 2005;105(3):352-363.
131. Palmieri D, Halverson DO, Ouatas T, Horak CE, Salerno M, Johnson J, Figg WD, Hollingshead M, Hursting S, Berrigan D, Steinberg SM, Merino MJ, Steeg PS. Medroxyprogesterone acetate elevation of nm23-h1 metastasis suppressor expression in hormone receptor-negative breast cancer. *Journal of the National Cancer Institute* 2005;97(9):632-642.
132. Berrigan D, Lavigne JA, Perkins SN, Nagy TR, Barrett JC, Hursting SD. Phenotypic effects of calorie restriction and insulin-like growth factor-1 treatment on body composition and bone mineral density of *c57bl/6* mice: Implications for cancer prevention. *In Vivo* 2005;19(4):667-673.
133. Nunez NP, Jelovac D, Macedo L, Berrigan D, Perkins SN, Hursting SD, Barrett JC, Brodie A. Effects of the antiestrogen tamoxifen and the aromatase inhibitor letrozole on serum hormones and bone characteristics in a preclinical tumor model for breast cancer. *Clinical Cancer Research* 2004;10(16):5375-5380.
134. Hursting SD, Lavigne JA, Berrigan D, Donehower LA, Davis BJ, Phang JM, Barrett JC, Perkins SN. Diet-gene interactions in *p53*-deficient mice: Insulin-like growth factor-1 as a mechanistic target. *Journal of Nutrition* 2004;134(9):2482S-2486S.
135. Mai V, Colbert LH, Berrigan D, Perkins SN, Pfeiffer R, Lavigne JA, Lanza E, Haines DC, Schatzkin A, Hursting SD. Calorie restriction and diet composition modulate spontaneous intestinal tumorigenesis in *apc(min)* mice through different mechanisms. *Cancer Research* 2003;63(8):1752-1755.
136. Hursting SD, Lavigne JA, Berrigan D, Perkins SN, Barrett JC. Calorie restriction, aging, and cancer prevention: Mechanisms of action and applicability to humans. *Annual Review of Medicine- Selected Topics in the Clinical Sciences* 2003;54:131-152.
137. Colbert LH, Mai V, Perkins SN, Berrigan D, Lavigne JA, Wimbrow HH, Alvord WG, Haines DC, Srinivas P, Hursting SD. Exercise and intestinal polyp development in *apc(min)* mice. *Medicine and Science in Sports and Exercise* 2003;35(10):1662-1669.
138. Berrigan D, Dodd K, Troiano RP, Krebs-Smith SM, Barbash RB. Patterns of health behavior in US adults. *Preventive Medicine* 2003;36(5):615-623.
139. Berrigan D. Respiratory cancer and exposure to man-made vitreous fibers: A systematic review. *American Journal of Industrial Medicine* 2002;42(4):354-362.
140. Berrigan D, Perkins SN, Haines DC, Hursting SD. Adult-onset calorie restriction and fasting delay spontaneous tumorigenesis in *p53*-deficient mice. *Carcinogenesis* 2002;23(5):817-822.

141. Berrigan D, Troiano RP. The association between urban form and physical activity in US adults. *American Journal of Preventive Medicine* 2002;23(2):74-79.
142. Kingsolver JG, Hoekstra HE, Hoekstra JM, Berrigan D, Vignieri SN, Hill CE, Hoang A, Gibert P, Beerli P. The strength of phenotypic selection in natural populations. *American Naturalist* 2001;157(3):245-261.
143. Huey RB, Berrigan D. Temperature, demography, and ectotherm fitness. *American Naturalist* 2001;158(2):204-210.
144. Hoekstra HE, Hoekstra JM, Berrigan D, Vignieri SN, Hoang A, Hill CE, Beerli P, Kingsolver JG. Strength and tempo of directional selection in the wild. *Proceedings of the National Academy of Sciences of the United States of America* 2001;98(16):9157-9160.
145. Huey RB, Gilchrist GW, Carlson ML, Berrigan D, Serra L. Rapid evolution of a geographic cline in size in an introduced fly. *Science* 2000;287(5451):308-309.
146. Hercus MJ, Berrigan D, Blows MW, Magiafoglou A, Hoffmann AA. Resistance to temperature extremes between and within life cycle stages in *Drosophila serrata*, *D. birchii* and their hybrids: Intraspecific and interspecific comparisons. *Biological Journal of the Linnean Society* 2000;71(3):403-416.
147. Gasser M, Kaiser M, Berrigan D, Stearns SC. Life-history correlates of evolution under high and low adult mortality. *Evolution* 2000;54(4):1260-1272.
148. Berrigan D. Correlations between measures of thermal stress resistance within and between species. *Oikos* 2000;89(2):301-304.
149. Huey RB, Berrigan D, Gilchrist GW, Herron JC. Testing the adaptive significance of acclimation: A strong inference approach. *American Zoologist* 1999;39(2):323-336.
150. Blows MW, Berrigan D, Gilchrist GW. Rapid evolution towards equal sex ratios in a system with heterogamety. *Evolutionary Ecology Research* 1999;1(3):277-283.
151. Berrigan D, Hoang A. Correlation between enzyme activities and routine metabolic rate in *Drosophila*. *Journal of Evolutionary Biology* 1999;12(2):258-262.
152. Berrigan D, Hoffmann AA. Correlations between measures of heat resistance and acclimation in two species of *Drosophila* and their hybrids. *Biological Journal of the Linnean Society* 1998;64(4):449-462.
153. Scheiner SM, Berrigan D. The genetics of phenotypic plasticity. Viii. The cost of plasticity in *Daphnia pulex*. *Evolution* 1998;52(2):368-378.
154. Berrigan D, Seger J. Information and allometry. *Evolutionary Ecology* 1998;12(5):535-541.
155. Scott M, Berrigan D, Hoffmann AA. Costs and benefits of acclimation to elevated temperature in *Trichogramma carverae*. *Entomologia Experimentalis Et Applicata* 1997;85(3):211-219.
156. Wisco JJ, Matles H, Berrigan D. Is the scaling of locomotor performance with body size constant? *Ecological Entomology* 1997;22(4):483-486.
157. Hoffmann AA, Dagher H, Hercus M, Berrigan D. Comparing different measures of heat resistance in selected lines of *Drosophila melanogaster*. *Journal of Insect Physiology* 1997;43(4):393-405.
158. Berrigan D, Partridge L. Influence of temperature and activity on the metabolic rate of adult *Drosophila melanogaster*. *Comparative Biochemistry and Physiology a-Molecular & Integrative Physiology* 1997;118(4):1301-1307.
159. Berrigan D. Acclimation of metabolic rate in response to developmental temperature in *Drosophila melanogaster*. *Journal of Thermal Biology* 1997;22(3):213-218.

160. Berrigan D. Pulsed emissions of CO₂ during mating in *Drosophila melanogaster*. *Drosophila Information Service* 1997;80:76-77.
161. Huey RB, Berrigan D. Testing evolutionary hypotheses of acclimation. *Society for Experimental Biology Seminar Series* 1996;59:205-237.
162. Lighton JRB, Berrigan D. Questioning paradigms - caste-specific ventilation in harvester ants, *Messor pergandei* and *M. julianus* (Hymenoptera, Formicidae). *Journal of Experimental Biology* 1995;198(2):521-530.
163. Berrigan D, Pepin DJ. How maggots move - allometry and kinematics of crawling in larval Diptera. *Journal of Insect Physiology* 1995;41(4):329-337.
164. Berrigan D, Lighton JRB. Energetics of pedestrian locomotion in adult male blowflies, *Protophormia terraenovae* (Diptera, Calliphoridae). *Physiological Zoology* 1994;67(5):1140-1153.
165. Berrigan D, Koella JC. The evolution of reaction norms - simple-models for age and size at maturity. *Journal of Evolutionary Biology* 1994;7(5):549-566.
166. Berrigan D, Evans J, Holway D, Jacobs L, Richards M, Seger J. Gene flow or heterozygote advantage. *Science* 1994;263(5150):1157-1157.
167. Berrigan D, Charnov EL. Reaction norms for age and size at maturity in response to temperature - a puzzle for life historians. *Oikos* 1994;70(3):474-478.
168. Charnov EL, Berrigan D, Shine R. The m/k ratio is the same for fish and reptiles. *American Naturalist* 1993;142(4):707-711.
169. Emerson SB, Berrigan D. Systematics of southeast-asian ranids - multiple origins of voicelessness in the subgenus *Limnometes* (Fitzinger). *Herpetologica* 1993;49(1):22-31.
170. Charnov EL, Berrigan D. Why do female primates have such long lifespans and so few babies? Or life in the slow lane. *Evolutionary Anthropology* 1993;1(6):191-194.
171. Berrigan D, Lighton JRB. Bioenergetic and kinematic consequences of limblessness in larval Diptera. *Journal of Experimental Biology* 1993;179:245-259.
172. Berrigan D, Charnov EL, Purvis A, Harvey PH. Phylogenetic contrasts and the evolution of mammalian life-histories. *Evolutionary Ecology* 1993;7(3):270-278.
173. Charnov EL, Berrigan D. Evolution of life-history parameters in animals with indeterminate growth, particularly fish. *Evolutionary Ecology* 1991;5(1):63-68.
174. Charnov EL, Berrigan D. Dimensionless numbers and the assembly rules for life histories. *Philosophical Transactions of the Royal Society of London Series B-Biological Sciences* 1991;332(1262):41-48.
175. Berrigan D, Locke SJ. Body size and male reproductive-performance in the flesh fly, *Neobellieria-bullata*. *Journal of Insect Physiology* 1991;37(8):575-581.
176. Berrigan D. Lift production in the flesh fly, *Neobellieria* (= *Sarcophaga*) *bullata* Parker. *Functional Ecology* 1991;5(3):448-456.
177. Berrigan D. The allometry of egg size and number in insects. *Oikos* 1991;60(3):313-321.
178. Charnov EL, Berrigan D. Dimensionless numbers and life-history evolution - age of maturity versus the adult life-span. *Evolutionary Ecology* 1990;4(3):273-275.
179. Celedonio-Hurtado H, Liedo P, Aluja M, Guillen J, Berrigan D, Carey J. Demography of *Anastrepha ludens*, *Anastrepha obliqua* and *Anastrepha serpentina* (Diptera, Tephritidae) in Mexico. *Florida Entomologist* 1988;71(2):111-120.
180. Berrigan DA, Carey JR, Guillen J, Celedonio H. Age and host effects on clutch size in the Mexican fruit-fly, *Anastrepha ludens*. *Entomologia Experimentalis et Applicata* 1988;47(1):73-80.

181. Goulden CE, Henry L, Berrigan D. Egg size, postembryonic yolk, and survival ability. *Oecologia* 1987;72(1):28-31.

INVITED CONTRIBUTIONS/BOOK REVIEW

Book and Software Reviews: *Bulletin of the ESA*, *Quarterly Review of Biology*, *American Biology Teacher*.

Evolution in Health and Disease. (Book review) *Public Health*, 1999 113(6):321-3.

Encyclopedia Entries: *Encyclopedia of Ecology and Environmental Management* (ed Peter Calow), 1999, Blackwell Science, Oxford.

Commentary: *Breast Cancer Quarterly*, Comment (With S. Chang) on Freidenreich et al. 2002, Case-Control Study of Anthropometric Measures and Breast Cancer Risk, *IJE* 99:445-452.

Book Review: *Health and Community Design*. (w/Brooke Fischer and Sarah Dash) *J. Epidemiol. Community Health*, Mar 2005; 59: 250.

Built Environment and Health (Editorial) w/ Robin McKinnon) *Preventive Medicine* September 2008 47(3):239-40.

Book Review: "Social Ecology in the Digital Age: Solving Complex Problems in a Globalized World" Calvin P. Tribby, Lilian Perez, David Berrigan. March 2019 *Frontiers in Sociology*.

SELECTED TRAINING

LEAP NCI leadership training, completed 2015/2016: One year multi-module in person training address leadership in matrices

Joint Program in Survey Methodology Short Course "Leveraging mobile and social technologies for data collection," Michael W. Link. Jan 30-31, 2012, Crystal City, VA

Future Directions in Spatial Demography. Santa Barbara, Dec. 2011.

Basic Project Officer, Standard. HHS Training in Contract Management 6/15/2009 6/19/2009. Rockville MD.

Time Use Observatory Workshop, Jan. 6-9, 2009, Santiago Chile.

Conflict Resolution, 6 Hour NIH sponsored Training, July 30th, 2008.

Joint Program in Survey Methodology Short Course "Focus Groups from Start to Finish," David L. Morgan. May 27-28, 2008, Crystal City, VA

Leadership Coaching, 10 Sessions, w/ Mary Burness, NIH workforce Development Office: Emphasis on communication skills and team building. Spring 2008.

Orientation to NIH Extramural Activities (16 Hours) 2007.

Joint Program in Survey Methodology Short Course "How Visual Layout Affects Answers to Web and Mail Surveys and the Implications for Mixed-Mode Data Collection," Don A. Dillman on October 31, 2007, Crystal City, VA

Workshop on the Adequacy of Evidence for Physical Activity Guideline Development, IOM, October 23-24. Washington DC

The Science of Team Science: Assessing the Value of Transdisciplinary Research Conference October 30-31, 2006. Bethesda, MD

Frontiers in Diabetes Research: Molecular Mediators of Metabolic Homeostasis. Nov. 4th, 2006, Columbia University, New York NY.

Federal Partners Meeting: Accelerating Collaboration on Health Disparities Research. Dec. 5-6, 2006. Atlanta GA.

Joint Program in Survey Methodology Short Course "Psychology of Survey Response" Feb. 6-7, 2005, Crystal City, VA.

Washington Statistical Society course, Privacy, Confidentiality, and the Protection of Health Data: A Statistical Perspective on the HIPAA Privacy Rule, May 4, 2005.

Joint Program in Survey Methodology Short Course "Design of Survey Questions" Jan. 10-11, 2004, Crystal City, VA.

Basic Project Officer, Standard. HHS Training in Contract Management 1/20/04-1/23/04. Rockville MD.

Gordon-Kenan Risk Analysis Summer School, Aug 3-12, 2004, Bristol, RI.

Joint Program in Survey Methodology Short Course "Non-response in House-Hold Surveys" May. 21-22, 2003, Fairfax, VA.

National Center for Health Statistics Data Users Conference, July 15-16, 2002, Bethesda, MD

Centers for Disease Control and University of South Carolina "Physical Activity and Public Health" September 18-26, 2001, Hilton Head, SC.

Cancer Prevention and Control Fellowship Program (CPFP) Grants and Grantsmanship Workshop Jan. 8-11, 2001, Bethesda, MD

CPFP Special Course: "Speaking on the job: presenting yourself and your ideas" Feb. 26-28. Bethesda, MD.

Joint Program in Survey Methodology Short Course "Introduction to Survey Estimation" Mar. 22-23, 2001, College Park, MD.

Joint Program in Survey Methodology Short Course "An Introduction to Survey Sampling" April 25-26, 2001, College Park, MD.

NIH, The Science of the Placebo: Towards an Interdisciplinary Research Agenda. Nov. 19-20, 2000, Bethesda, MD.

TEACHING EXPERIENCE

Lecture/Laboratory

Energy Balance and the Environment: Guest Lectures for FAES and UMD Environmental Health courses 2010, 2012, 2014.

Evolution in Health and Disease (w/ Dr. Peter Armbruster), Graduate Seminar, 16 sessions, Georgetown University, Fall, 2007.

Guest Lecture for Introduction to Ecology and Evolution, Instructor Dr. Peter Armbruster, Georgetown University, Washington DC. April, 2004; Jan. 2007.

Discussion Group Leader; Cancer Prevention and Control Summer Course, National Cancer Institute, Bethesda MD, Summer 2001.

Lecturer, Zoology 484, Animal Physiology (80 Students, Semester-long course), University of Washington, 1998, 90 Students, One Semester Course

Teaching assistant for lectures, labs, and discussion sections in Introductory Biology, Animal Biology, Comparative Physiology, and Evolutionary Biology, 1995-1996 UC Davis, 1989-1991, University of Utah, 3-6 contact hours/week.

Guest lecturer: Courses in Animal Biology, Conservation Biology, Evolution, Genetics, and Statistics; University of Utah 1989-1993.

Field Courses

University of Utah Evolution Field Trip; A tour and lecture course held aboard small boats in the Galapagos Islands, 1989, 1990. Supervisor: Dr. R. Vickery.

Field Practicum, Department of Ecology and Evolution, Zoology Institute, Basel Switzerland, held in Corsica, 1991. Supervisor: Dr. S. Stearns.

Grant Writing Field Course, Department of Ecology and Evolution, Zoology Institute, Basel Switzerland, 1992. Supervisor: Dr. S. Stearns.

Research Supervision

Co-supervision, CRTA Inter Robert Adamski, Project title: Transit access and transportation walking in Los Angeles and San Diego Counties.

M.S. Thesis committee member, P. J. Miller, Department of Transportation, University of Massachusetts. "The Impact of a Greenway on Physical Activity Levels to Promote Enhanced Health Perception, 2003/2004.

Sandra Menzies (HHS) FAES Certificate in Public Health Capstone Project Supervisor 2011/2012

Robert Korycinski (Tufts) Summer Intern

PhD Committees

Jennifer Urbanski (Georgetown), Evolution and molecular physiology of photoperiodic diapause in the Asian tiger mosquito, *Aedes albopictus*. Completed May 2010.

Britni Belcher (USC), Objectively measured physical activity and related factors in minority youth. Completed May 2010.

Renee Stubbins (UT Austin), Estrogen modulates adiposity and protects against obesity-associated inflammation, oxidative stress, and insulin resistance. Completed April 2012

Secondary/Ad-Hoc Mentor to multiple undergraduates, graduate students and post-doctoral fellows – many of these interactions resulted in papers or book reviews.

Past Post-Doctoral Fellows (Primary Mentor)

James McClain (ASU), Cancer prevention Fellow, Co-supervised with R. Troiano

Britni Belcher (USC), Cancer Prevention Fellow 2010-2014.

Stephanie Fowler (UO), Cancer Prevention Fellow 2014-2016

Heather D'Angelo (UNC) Cancer Prevention Fellow 2015 -16

Lilian Perez-Costanza (UCSD) Cancer Prevention Fellow 2017-2019

Calvin Tribby (U Ohio), Cancer Prevention Fellow 2017-2020

Current Post-Doctoral Fellows (Primary Mentor)

Raimee Eck (w/T. Agurs-Collins) CRTA Fellow 2018-

Kimberly Clevenger Cancer Prevention Fellow 2020 -

PROFESSIONAL SERVICE

Committees/Boards

Reviewer and Discussant: Institute of Medicine, National Cancer Policy Board Report: Fulfilling the Potential for Cancer Prevention and Early Detection, 2001-2002

Cancer Prevention Fellowship Program Representative on FELCOM (The NIH Fellows Committee) 2002-2003

Mid-County Recreation Advisory Board for Montgomery County, 2002-2004

Energy Balance Initiative Planning Activities, National Cancer Institute, 2002-2003.

Committee Member, Transportation Review Board Committee on Traveler Behavior and Values, National Research Council, 2005-2014.

Program Committee Member, Active Living Research Program 2007 Conference

External Advisory Board (EAB) of the Center for Multimodal Solutions for Congestion Mitigation (CMS). University of Florida, Gainesville 2011-2012.

NHLBI Health Community Study Executive Committee

Admissions/Awards

Admissions Committee, 2) Faculty Job Search Committee (2), and 3) Tenure review committee graduate student representative for the Biology Department, University of Utah, 1990-1993

Chief Judge, NIH FARE Award, Behavioral/Social Sciences, National Institutes of Health, 2003.

Cancer Prevention Fellowship Program Admissions Committee (NCI), class of 2003.

Cancer Prevention Fellowship Program Admissions Committee (NCI), class of 2011.

Editorial Boards

International Journal of Environmental Research and Public Health 2017- [Section Editor]

Endocrine Carcinogenesis, 2007-2010

Functional Ecology, 2002-2005

Grant Review

Panelist

National Science Foundation (NSF), Spring 1999, Ecological and Evolutionary Physiology
Prevent Cancer Foundation, 2007-

Peer Review of Proposals

National Science Foundation, U.S. Department of Agriculture

National Environmental Research Council (UK)

National Science and Environment Research Council (Canada)

Medical Research Council (UK), UK Center for Clinical Research

Canadian Foundation for Innovation

Prevent Cancer Foundation

Netherlands Organization for Health Research and Development (ZonMw)

Romanian National Research Council

Peer Review of Textbooks and Journal Articles

Text Books

Evolutionary Analysis. Text by J. Herron and S. Freeman. Prentice-Hall New York

Biology, A Guide to the Natural World. Text by David Krogh, Prentice-Hall, New York

Selected MS Reviews 1989-2013

American Journal of Public Health, Evolution, American Journal of Preventive Medicine, Oikos, Cancer, Biological Journal of the Linnean Society, American Journal of Epidemiology, Physiological Zoology,

International Journal of Obesity, Functional Ecology, Lung Cancer, Journal of Insect Physiology, Journal of Nutrition Education, Journal of Thermal Biology, Functional Ecology, Comparative Biochemistry and Physiology, Bioscience, Proceedings of the Royal Society (London), Ecology, Limnology and Oceanography, Ecological Entomology, American Naturalist, JAMA, Journal of Rural Health, Journal of Epidem. and Community Health, Journal of Nutrition, American Journal of Epidemiology, JNCI, Chronic Disease Prevention, Urban Research, AJPM,, American Naturalist, BMC Public Health, JECH, Urban Studies,, MSSE, TRB, JAMA, Archives of Internal Medicine, BMC Public Health, Journal of Cellular Physiology, MSSE, Endocrine-Related Cancer, International Journal of Obesity, MSSE, AJPM, JECH, International Journal of Health Geographics, Cancer Causes and Control, PNAS, Journal of Cellular Physiology, Preventive Medicine, Urban Studies, Journal of Physical Activity and Health, Endocrine Related Cancer, Annals of Behavioral Medicine, International Journal of Obesity, Transportation Review Board, Nutrition and Cancer, Pediatrics, J. Applied Research, BMC Public Health, MSSE, International Journal of Obesity, AJPM, International Journal of Health Geographics, PNAS, Contemporary Clinical Trials, Preventive Medicine, Journal of Physical Activity and Health, Transportation Review Board, RQES, Annals of Behavioral Medicine BMJ Open, Annals of Behavioral Medicine, IJBNPA, RQES, and others
Selected MS Reviews 2014+

International Journal of Obesity, Evolution, Preventive Medicine, Spatial Demography, Perceptual and Motor Skills, Annals of Behavioral Medicine, Journal of Planning Education and Research, MSSE, IJBNPA, Public Health, AJPH, Annals of GIS, AJPM, CEPB, Psychology Health and Medicine, Journal of Diabetes Research, Children Youth and Environment, Public Health, Journal of Immigrant Health, Nutrition and Diabetes

Media Outreach

Telephone interviews with newspapers/magazines including The New York Times, Kansas City Star, Shape Magazine, and Readers Digest, 2002-2003

Featured scientist for a Discovery Health Channel special concerning cancer prevention and control: "The Top Ten Cancer Myths" May 26, 2003

Interviewed for a special "Facts of Life" press briefing commissioned by the NIH/OBSSR on housing and community health, to be produced by the Center for Advancement of Health, 2003

Featured in the Los Angeles Times Health Section, short article concerning one of my papers - 2007

SELECTED SEMINARS/MEETINGS

Invited Seminars/Presentations

Keynote Speaker "Nature and Health: NIH Funding Examples, Opportunities and Challenges" February 2019 Nature and Health Texas Children's Hospital

Plenary address titled "Putting Cancer in its Place: Geospatial Approaches to Energy Balance and Cancer for the The 2nd International Electronic Conference on Environmental Health Sciences - <https://iecehs-2.sciforum.net/>

Friday Transportation Seminar "Walking Research and Opportunities from the National Cancer Institute" - <https://trec.pdx.edu/events/professional-development/friday-transportation-seminar-10182019>

UT Knoxville, 21st Century Cures Program March 22, 2018. Cancer control in the 21st Century: Opportunities and Challenges Related to Place, Space and Disparities.

Texas A and M, School of Public Health, Dec. 12, 2016 Geospatial and Contextual Approaches to Cancer Control via Energy Balance

NCSU Center for Geospatial Analysis, Geospatial Forum Feb. 18, 2016 - Geospatial and Contextual Approaches to Diet, Weight and Physical Activity for Cancer Control: Research and Research Opportunities from the National Cancer Institute

The Chinese University of Hong Kong 16-18 June 2014, Conference: Fostering International Geospatial Health Research Collaborations: Challenges and Opportunities. Title: Geospatial and Contextual Approaches to Energy Balance and Health.

University College London, November, 2013 'Measurement and Analytical Challenges in Studies of Physical Activity, Sedentary Behavior, and their Environmental Correlates'

Karolinska Institute, May 2012, Lectures on Research Opportunities and Research Results Related to Sedentary Behavior and Health

The Obesity Society Obesity and Cancer Interest Group, Research Opportunities, October 2011

Univ. Utah/Huntsman Cancer Center, Ecophysiology of Human Health. September, 2011

ISBNPA Data Sources Symposium, June 2011.

International Congress of Urban Health, October 2010, Built Environment, Transportation and Health.

UT Austin, Nov 2009, Ecophysiology of Human Energy Balance, Especially Physical Activity

NWU Chicago, Oct. 2008. Research and Research Opportunities in Physical Activity, the Built Environment, and Cancer at NCI

University of Mass., Amherst May 2008 Research and Research Opportunities in Physical Activity, the Built Environment, and Cancer at NCI

Washington University, St Louis Dec. 2007. Ecophysiology of Human Energy Balance

Baylor Cancer Center, Nov. 2007. Ecophysiology of Human Energy Balance

FASEB 2007. "Interactive effects of diet and exercise on gene expression in C57BL/6 mouse mammary glands", in Obesity, Energy Balance and Disease August 4-9th, 2007, Indian Wells CA, Aug. 2007

USC Keck School of Medicine, Feb. 2007. Transdisciplinary approaches to energetics and cancer".

Case Western, Blood Club, Jan. 2007. Transdisciplinary approaches to energetics and cancer".

St. Mary's College, Frederick MD, Ecophysiology of Energy Balance and Carcinogenesis, Nov. 2, 2006.

Johns Hopkins Department of Epidemiology, Hormone Demonstration Program Working Group Meeting, September 18, 2006

84th Annual Transportation Research Board Annual Meeting, Washington, D.C. January 9-13, 2005.

Surveillance of Physical Activity and the Built Environment: How Good is it and How Can We Make it Better? D. Berrigan, R. Troiano, R. Ballard-Barbash

FASEB 2004. "Dual Energy X-Ray Absorptiometry", in symposium titled "Non-Invasive Body Composition Analysis in Small Animals 15 Minute Oral Presentation, Washington DC, April 2004

ASPO Breakfast Session on Nutrition and Cancer: Selected NCI Efforts Aimed at Energy Balance and Carcinogenesis. Bethesda MD March 2004.

94th Annual AACR Annual Meeting, Meet-the-Expert Sunrise Session: "Determinants of Obesity, a Biological and Behavioral Cancer Risk Factor". (w/S. Chang, D. Paltoo, and J. Lavigne), Washington D.C. 2003.

University of Arkansas, School of Public Health, "Ecology, Epidemiology, and Physiology of Energy Balance and Carcinogenesis" Little Rock AR, 2003. College of William and Mary, Department of Biology, "Ecophysiological Approaches to Energy Balance and Carcinogenesis" Williamsburg VA, 2003.

National Cancer Institute-Frederick, Laboratory of Comparative Carcinogenesis, "Effects of Calorie Restriction and Murine Recombinant IGF-1 on Growth, Longevity, and Body Composition in Mice" Frederick MD, 2002

University of Alabama, Department of Nutrition, "Effects of Calorie Restriction and IGF-1 on Growth, Longevity, and Body Composition in Mice" Birmingham AL, 2001

Ames/NASA Research Station, "Weathering the Storm, Acclimation and Adaptation to Stressful Environments", Moffett Field, CA, 1998

Before 1998

University of Nevada, Department of Biology, 1998.

University of New Mexico, Department of Ecology and Evolution, 1997.

University of Arkansas, Department of Biology, 1997.

University of Melbourne, Department of Zoology, 1996.

La Trobe University, Department of Zoology, 1996.

University of Miami, Department of Biology, 1995.

Indiana State University, Department of Biology, 1994.

Programa Moscamed, Chiapas, Mexico, 1986.

Posters/Oral Presentations – Before 2015

- The International Society for Behavioral Nutrition and Physical Activity (ISBNPA) Conference. Edinburgh, Scotland. June 6, 2015. Belcher BR, Papachristopoulou A, Brady SM, Berrigan D, Chen KY, Hattenbach J, Wolters P, Courville AB, Bernstein S, Smith K, Drinkard B, Rosing D, Yanovski JA. Interrupting sedentary time improves short-term metabolic function in healthy 7-11 year old children.
- American Public Health Association, 2014, New Orleans, (Lead: L. Nogueira) Self-Rated Health and Cumulative Biological Risk Profile: Impact on the Measurement of Racial/Ethnic Health Disparities in the U.S.
- Association of American Geographers, 2014, Tampa, Fl, Urban Sprawl in the United States: Changes in Sprawl over a Decade, a Revised Sprawl Index, Data Availability, and Associations of Sprawl with Obesity
- Jacques Monod Conference 2012, Roscoff, France, Poster and Attendee - Ecological and Evolutionary Perspectives in Cancer
- ICDAM 8, 2012, Rome. Posters and Talk (W/ Reedy, Belcher et al.)
- Obesity Society Poster Orlando, 2011 – NCCOR Measure Registry (w/ Reedy et al.)
- Obesity Society Poster San Diego, 2010 – Urban Sprawl, Obesity and Cancer – w/ Tatalovich and Ewing.
- Obesity Society 2009. Self-Reported vs. Objectively-Measured Physical Activity: Which is More Strongly Associated with Obesity and Other Physiologic Biomarkers? Atienza et al.
- Society for Behavioral Medicine, Seattle WA, 2009. Smart growth planning for obesity prevention in children and families. Session Chair.
- David Berrigan, Jennifer Dill, Robert Adamski, Lan Huang, David Stinchcomb, William Davis, Linda Pickle. The Built Environment and Walking/Bicycling for Transportation: Two Approaches to Identifying Environmental Correlates of Behavior ICDAM6, Copenhagen, 2006
- Yabroff, K. R., Troiano, R. P., Berrigan D. Associations between household pets and leisure vs. transportation walking in California. ICPAH, Atlanta, 2006
- Berrigan D, Saydah S, Potischman N, Dodd KW, Graubard B, Hursting SP, Lavigne JA, Barrett JC, Ballard-Barbash R Serum Levels of Insulin-Like Growth Factor 1 (IGF-I) and IGF Binding Protein-3 (IGFBP-3) in US Adults from NHANES III: Associations with Demography, Anthropometry, and Mortality AACR 2005
- David Berrigan, Nancy Potischman, Kevin Dodd, Michael Nicar, Geraldine McQuillan, Jackie Lavigne, S. D. Hursting, J. Carl Barrett, Rachel Ballard-Barbash. Serum Levels of Insulin-Like Growth Factor 1 (IGF-I) and IGF-I Binding Protein-3 (IGFBP-3): Quality Control Issues for Studies of Stored Serum. AACR Frontiers in Cancer Prevention and Control. 2004
- David Berrigan, PhD, Richard P. Troiano, PhD, Sue Krebs-Smith, PhD, Rachel Ballard-Barbash MD. Current data and future prospects for improved measurement of leisure and non-leisure time physical activity in the California and National health interview surveys. (Poster). 2004 Robert Wood Johnson ALPES conference, San Diego, CA, Jan 30-31, 2004.
- Berrigan, D., Troiano, R. P., McNeel, T. DiSogra, V. and Ballard-Barbash, R. Inclusion of non-leisure time walking and bicycling reduces apparent disparities in adherence to recommendations concerning physical activity in adult Californians (Oral Presentation). American Public Health Association Annual Meeting, San Francisco CA Nov. 14-18, 2003.
- Berrigan D, Dodd K, Reeve B., Troiano R, Ballard Barbash R. National Cancer Institute. Associations between Acculturation in Hispanics and Physical Activity: Evidence for a Tradeoff between Leisure

- and Non-Leisure Time Activity (Poster). American Society of Preventive Oncology, Philadelphia, PA, 2003.
- Berrigan, D. J. Lavigne, S. Perkins, T. Nagy, S. Hursting, and J. Carl Barrett. Insulin-like growth factor-I addback restores bone mineral density in calorie restricted C57/BL6 mice: Implications for cancer prevention and control (Poster). AACR "Frontiers in Cancer Prevention Research, Boston Oct.14-18, 2002.
- First Annual Cancer Prevention Fellows' Scientific Symposium, Oral Presentation- Hispanic Acculturation and Patterns of Health Behavior in US Adults. Sept. 11, 2002.
- Breast Cancer Faculty Retreat, National Cancer Institute, Baltimore. Oral Presentation - Effects of Energy Balance on Spontaneous Mammary Tumorigenesis and Body Composition in Wnt-1 Transgenic Mice. July 17-18, 2002,
- Berrigan D, Dodd K, Troiano R., Krebs-Smith S., Ballard-Barbash R. Patterns of adherence to recommendations concerning health behaviors in US adults (Poster). American Society of Preventive Oncology, Bethesda MD, 2002.
- Frazier, M.; Huey, R.B.; Berrigan, D.: Thermal Dependence of Darwinian Fitness in Insects: Biogeographic patterns (Poster). Society for Integrative and Comparative Biology 2002 Meeting, Anaheim, CA.
- Lavigne, J., S. Hursting, D. Berrigan, S. N. Perkins, J. Carl Barrett. Effects of Serum Insulin-Like Growth Factor-I Administration on Body Composition and Gene Expression in Calorie Restricted Mice. American Association for Cancer Research (AACR) April 6, 2002, San Francisco.
- Mai, V., L. Colbert, D. Berrigan, P. Srinivas, S. Perkins, E. Lanza, A. Schatzkin, S. Hursting. Effects of diet composition, calorie restriction and exercise on the frequency of intestinal polyps, markers of immune function and carcinogenesis, and composition of the microbial flora in a genetic mouse model (MIN) of intestinal cancer. Federation of American Societies for Experimental Biology, New Orleans, April, 2002.
- Berrigan, D. and R. Troiano. The association between urban form and physical activity in US adults. Cooper Institute Conference "Innovative Approaches to Physical Activity" *October 4-6, 2001*
- Howerton, M.W., Berrigan, D., Stolzenberg-Solomon, R., Bell, S., Dodd, K., Nebeling, L. Meta-analysis of school-based nutrition programs that focus on increasing consumption of fruits and vegetables. 129th Annual Meeting of the American Public Health Association, Atlanta, Georgia. October 23, 2001.
- Howerton, M. W., Berrigan, D., Stolzenberg-Solomon, R., Bell, S., Dodd, K., Nebeling, L. A systematic review of school-based nutrition efforts to increase fruit and vegetable consumption of school-aged children (Poster). 2001 American School Health Association's 75th National School Health Conference, Albuquerque, New Mexico. November 9, 2001.
- Huey, R.B. and D. Berrigan. Temperature and ectotherm fitness (Poster). Society for Integrative and Comparative Biology 1999 Meeting, Boston MA.
- Posters prior to 2000:* Evolution Society of America (3), European Evolution Society (1), Australian Ecological Society (1), American Zoological Society (2), American Physiological Society (1).