

September 2012

In hard funding times, Nutrition Center Affiliated Scholars shine!

Most recently funded Nutrition Center grants include:

- Sonya Jones' USDA AFRI: *COPASCities: Childhood Obesity Prevention in SC Communities.*
- Jim Thrasher's NIH grants: *Building Evidence For Effective and Sustainable Cigarette Warning Label Policy* and *Evaluating the impact of mandatory nutrition information on menus: A quasi-experimental study in the US and Canada*
- Phoenix Do's SCTR: *Assessing the Impact of South Carolina's WIC Program on Preventative Dental Utilization Among Vulnerable Populations*
- Melayne McInnes's USDA: *Before the Lunch Line: Behavioral Economic Interventions for Pre-Commitment and for Teacher Modeling*

For more information about all active Nutrition Center grants, visit our website at:

http://nutritioncenter.sph.sc.edu/research_current.shtml

Nutrition Center Affiliated Scholars Recent Publications:

Adams SA, Butler WM, Fulton J, Heiney SP, Williams EM, Delage AF, Khang L, **Hebert JR.** Racial disparities in breast cancer mortality in a multiethnic cohort in the Southeast. *Cancer.* 2012 May 15;118(10):2693-9. doi: 10.1002/cncr.26570. PMID: 21953316

Archer E, Groessl EJ, Sui X, McClain AC, **Wilcox S**, Hand GA, **Meriwether RA**, **Blair SN.** An economic analysis of traditional and technology-based approaches to weight loss. *Am J Prev Med.* 2012 Aug;43(2):176-82. PMID: 22813682

Artero EG, Lee DC, Lavie CJ, España-Romero V, Sui X, Church TS, **Blair SN.** Effects of Muscular Strength on Cardiovascular Risk Factors and Prognosis. *J Cardiopulm Rehabil Prev.* 2012 Aug 9. [Epub ahead of print] PMID: 22885613

Barrientos-Gutiérrez T, Barrientos-Gutiérrez I, Reynales-Shigematsu LM, **Thrasher JF**, Lazcano-Ponce E. Aiming for the adolescent market: internet and video games, the new strategies of the tobacco industry. *Salud Publica Mex.* 2012 Jun;54(3):303-14. Spanish. PMID: 22689169

Bell BA, Onwuegbuzie AJ, Ferron JM, Jiao QG, Hibbard ST, Kromrey JD. Use of design effects and sample weights in complex health survey data: a review of published articles using data from 3 commonly used adolescent health surveys *Am J Public Health.* 2012 Jul;102(7):1399-405. PMID: 22676502

Bennett KJ, **Probst JC**, Vyavaharkar M, **Glover S.** Missing the handoff: post-hospitalization follow-up care among rural Medicare beneficiaries with diabetes. *Rural Remote Health.* 2012 Jul;12(3):2097. PMID: 22816373

Bennett KJ, **Probst JC**, Vyavaharkar M, **Glover SH.** Lower rehospitalization rates among rural medicare beneficiaries with diabetes. *J Rural Health.* 2012 Jun;28(3):227-34. doi: 10.1111/j.1748-0361.2011.00399.x. PMID: 22757946

Braun KL, Nguyen TT, Tanjasiri SP, **Campbell J**, Heiney SP, Brandt HM, Smith SA, Blumenthal DS, Hargreaves M, Coe K, Ma GX, Kenerson D, Patel K, Tsark J, **Hébert JR**. Operationalization of community-based participatory research principles: assessment of the national cancer institute's community network programs. *Am J Public Health*. 2012 Jun;102(6):1195-203. PMID: 22095340

Brown W, **Blair SN**. Good news, good news: occupational and household activities are important for energy expenditure, but sport and recreation remain the best buy for public health. *Br J Sports Med*. 2012 Aug;46(10):702-3. PMID: 22869787

Dominick GM, Friedman DB, **Saunders RP**, Hussey JR, Watkins KW. Factors associated with physical activity literacy among foster parents. *Am J Health Behav*. 2012 Mar;36(2):179-92. PMID: 22370256

Dominick GM, **Saunders R**, Kenison K. Developing scales to assess parental instrumental social support and influence on provision of social support for physical activity in children. *J Phys Act Health*. 2012 Jul;9(5):706-17. PMID: 22733874

Haas, W.C., **Moore, J.B.**, Kaplan, M., Lazorick, S. (2012) Outcomes from a Medical Weight Loss Program: Primary Care Clinics versus Weight Loss Clinics. *American Journal of Medicine*. 125(6): 603.e7-603.e11.

Hajna S, **Liu J**, Leblanc PJ, Faught BE, **Merchant AT**, Cairney J, Hay J. Association between body composition and conformity to the recommendations of Canada's Food Guide and the Dietary Approaches to Stop Hypertension (DASH) diet in peri-adolescence. *Public Health Nutr*. 2012 Apr 17:1-7. PMID: 22717343

Hébert JR, **Hurley TG**, Harmon BE, Heiney S, Hebert CJ, **Steck SE**. A diet, physical activity, and stress reduction intervention in men with rising prostate-specific antigen after treatment for prostate cancer. *Cancer Epidemiol*. 2012 Apr;36(2):e128-36. Epub 2011 Oct 20. PMID: 22018935

Jackson AS, Janssen I, Sui X, Church TS, **Blair SN**. Longitudinal changes in body composition associated with healthy ageing: men, aged 20-96 years. *Br J Nutr*. 2012 Apr;107(7):1085-91. PMID: 21810289

Johannsen NM, Swift DL, Johnson WD, Dixit VD, Earnest CP, **Blair SN**, Church TS. Effect of different doses of aerobic exercise on total white blood cell (WBC) and WBC subfraction number in postmenopausal women: results from DREW. *PLoS One*. 2012;7(2):e31319. PMID: 22363616

Khan KM, Thompson AM, **Blair SN**, Sallis JF, Powell KE, Bull FC, Bauman AE. Sport and exercise as contributors to the health of nations. *Lancet*. 2012 Jul 7;380(9836):59-64. PMID: 22770457

Kimmons J, **Jones S**, McPeak HH, Bowden B. Developing and implementing health and sustainability guidelines for institutional food service. *Adv Nutr*. 2012 May 1;3(3):337-42. doi: 10.3945/an.111.001354. PMID: 22585909

September 2012 is National Childhood Obesity Awareness Month

NCOAM recognizes the serious threat obesity poses to the health of America's children and decreasing its prevalence in the United States.

More than 23 million children and teenagers in the United States ages 2 to 19 are obese or overweight, a statistic that health and medical experts consider an epidemic. And this epidemic puts nearly one third of America's children at early risk for Type 2 diabetes, high blood pressure, heart disease and even stroke – conditions usually associated with adulthood. Even greater disparities exist among young Hispanics and children of color.

For more information, visit:
<http://www.healthierkidsbrighterfutures.org/>

Kline CE, Sui X, Hall MH, Youngstedt SD, **Blair SN**, Earnest CP, Church TS. Dose-response effects of exercise training on the subjective sleep quality of postmenopausal women: exploratory analyses of a randomised controlled trial. *BMJ Open*. 2012 Jul 12;2(4). pii: e001044. doi: 10.1136/bmjopen-2012-001044. Print 2012. PMID: 22798253

Lamichhane AP, Puett R, Porter DE, Bottai M, Mayer-Davis EJ, **Liese AD**. Associations of built food environment with body mass index and waist circumference among youth with diabetes. *Int J Behav Nutr Phys Act*. 2012 Jun 29;9(1):81. PMID: 22747523

Lee IM, Shiroma EJ, Lobelo F, Puska P, **Blair SN**, Katzmarzyk PT; 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 Jul 21;380(9838):219-29. PMID: 22818936

Lindley LL, **Walsemann KM**, Carter JW Jr. The association of sexual orientation measures with young adults' health-related outcomes. *Am J Public Health*. 2012 Jun;102(6):1177-85. PMID: 22021310

Lynch , S., Bethel, J.B., Chowdhury, N., **Moore, J.B.** Regional breastfeeding trends in low income women in North Carolina from 2003-2007. *Journal of Human Lactation*. 2012, 28(2): 226-232.

Mâsse LC, Fulton JE, Watson KB, Tortolero S, Kohl HW 3rd, Meyers MC, **Blair SN**, Wong WW. Comparing the validity of 2 physical activity questionnaire formats in African-American and Hispanic women. *J Phys Act Health*. 2012 Feb;9(2):237-48. PMID: 22368223

Meyers DC, **Wilson DK**, Kugler KA, **Colabianchi N**, McKenzie TL, Ainsworth BE, Reed J, Schmidt SC. Assessing urban walking trail use and changes in the trail environment using systematic observational protocols. *Health Place*. 2012 Sep;18(5):991-9. PMID: 22795357

Mitchell, N. G., **Moore, J. B.**, Bibeau, W.S. & Rudasill, K. M. Cardiovascular fitness moderates the relations between estimates of obesity and physical self-perceptions in rural elementary school students. *Journal of Physical Activity and Health*. 2012, 9 (3): 288-294.

IMPORTANT NIH NOTICE

NOT-OD-12-140 - Notice of NIH Special Council Review of Research Applications from PDs/PIs with More than \$1.0 Million Direct Costs in Annual NIH Support.

NIH's Deputy Director, Dr. Rockey states, "The new special review process will be in effect for the 2013 fiscal year, beginning with September 2012 Council meetings. The new policy will provide additional consideration of new and renewal applications from well-supported investigators who currently receive more than \$1 million or more in direct costs. I want to remind you that this policy does not cap the total amount of funds an investigator may receive from NIH, but rather is a special review to complement existing NIH policies that require monitoring all investigators' activities for overlapping support, and determining whether additional funds should be awarded to well-supported investigators".

Applications that will be given special review include:

- New and renewal applications from investigators who currently receive \$1 million or more in direct costs for research project grants (RPGs), excluding no cost extensions

Applications excluded from special review include:

- Pending applications received in response to requests for applications (RFAs)
- P01s and other multi-component RPGs, unless all the investigators exceed the \$1 million threshold
- Multi-PI applications, unless all the investigators exceed the \$1 million threshold
- Administrative supplements
- Subprojects within complex applications (this may be revisited by NIH once we begin to accept complex applications through eRA Commons)

Monterrosa EC, Pelto GH, **Frongillo EA**, Rasmussen KM. Constructing maternal knowledge frameworks. How mothers conceptualize complementary feeding. *Appetite*. 2012 Jun 11;59(2):377-384. PMID: 22698974

Moore, J.B., Shores, K.A., Watts, C.E. Yin, Z. Rural Children's Afterschool Environment and Health Behaviors. *American Journal of Health Studies*. 2012, 27(1) 49-55.

Moore K, Borland R, Yong HH, Siahpush M, Cummings KM, **Thrasher JF**, Fong GT. Support for tobacco control interventions: do country of origin and socioeconomic status make a difference? *Int J Public Health*. 2012 Jun 20. PMID: 22714136

Paxton AE, **Baxter SD**, Tebbs JM, Royer JA, Guinn CH, Devlin CM, Finney CJ. Nonsignificant Relationship between Participation in School-Provided Meals and Body Mass Index during the Fourth-Grade School Year. *J Acad Nutr Diet*. 2012 Jan;112(1):104-9. PMID: 22709640

Pérez-Hernández R, **Thrasher JF**, Rodríguez-Bolaños R, Barrientos-Gutiérrez I, Ibáñez-Hernández NA. Tobacco advertising and promotions: changes in reported exposure in a cohort of Mexican smokers. *Salud Publica Mex*. 2012 Jun;54(3):204-12. Spanish. PMID: 22689158

Sallis JF, McKenzie TL, **Beets MW**, Beighle A, Erwin H, Lee S. Physical education's role in public health: steps forward and backward over 20 years and HOPE for the future. *Res Q Exerc Sport*. 2012 Jun;83(2):125-35. PMID: 22808697

Shook RP, Lee DC, Sui X, Prasad V, Hooker SP, Church TS, **Blair SN**. Cardiorespiratory fitness reduces the risk of incident hypertension associated with a parental history of hypertension. *Hypertension*. 2012 Jun;59(6):1220-4. PMID: 22585947

Sui X, Jackson AS, Church TS, Lee DC, O'Connor DP, **Liu J, Blair SN**. Effects of cardiorespiratory fitness on aging: glucose trajectory in a cohort of healthy men. *Ann Epidemiol*. 2012 Sep;22(9):617-22. PMID: 22763087

Swift DL, Johannsen NM, Myers VH, Earnest CP, Smits JA, **Blair SN**, Church TS. The effect of exercise training modality on serum brain derived neurotrophic factor levels in individuals with type 2 diabetes. *PLoS One*. 2012;7(8):e42785. PMID: 22880108

Taverno Ross SE, Dowda M, **Colabianchi N, Saunders R, Pate RR**. After-school setting, physical activity, and sedentary behavior in 5th grade boys and girls. *Health Place*. 2012 Sep;18(5):951-5. PMID: 22809713

Thrasher JF, Murukutla N, Pérez-Hernández R, Alday J, Arillo-Santillán E, Cedillo C, Gutierrez JP. Linking mass media campaigns to pictorial warning labels on cigarette packages: a cross-sectional study to evaluate effects among Mexican smokers. *Tob Control*. 2012 Jun 29. PMID: 22752271

Thrasher JF, Pérez-Hernández R, Arillo-Santillán E, Barrientos-Gutiérrez I. Impact of cigarette package health warnings with pictures in Mexico: results from a survey of smokers in Guadalajara. *Salud Publica Mex*. 2012 Jun;54(3):254-63. Spanish. PMID: 22689163

Thrasher JF, Pérez-Hernández R, Arillo-Santillán E, Barrientos-Gutiérrez I. Towards informed tobacco consumption in Mexico: effect of pictorial warning labels in smokers. *Salud Publica Mex*. 2012 Jun;54(3):242-53. Spanish. PMID: 22689162

FUNDING OPPROTUNITIES

Open Letters of Inquiry (LOI), Nutrition initiative

<http://www.gatesfoundation.org/grantseeker/Pages/funding-nutrition.aspx>

PAR-12-257, NIH
Time-Sensitive Obesity Policy
and Program Evaluation (R01)

Trumpeter NN, Lawman HG, **Wilson DK, Pate RR**, Van Horn ML, Tate A. Accelerometry cut points for physical activity in underserved African Americans. *Int J Behav Nutr Phys Act*. 2012 Jun 14;9(1):73. PMID: 22697280

Weaver RG, **Beets MW**, Webster C, Beighle A, Huberty J. A conceptual model for training after-school program staffers to promote physical activity and nutrition. *J Sch Health*. 2012 Apr;82(4):186-95. doi: 10.1111/j.1746-1561.2011.00685.x. Review. PMID: 22385092

White K, Haas JS, Williams DR. Elucidating the role of place in health care disparities: the example of racial/ethnic residential segregation. *Health Serv Res*. 2012 Jun;47(3 Pt 2):1278-99. doi: 10.1111/j.1475-6773.2012.01410.x. Review. PMID: 22515933

Yin, Z, **Moore, J.B.**, Johnson, M.H., Vernon, M.M., Thornburg, J., Gutin, B. The Impact of a Three-Year After-School Obesity Prevention Program in Elementary School Children. *Child Obes*. 2012, 8(1), 60-70.

Zarrett N, Skiles B, **Wilson DK**, McClintock L. A qualitative study of staff's perspectives on implementing an after school program promoting youth physical activity. *Eval Program Plann*. 2012 Aug;35(3):417-26. Epub 2012 Jan 28. PMID: 22343428

EVENTS OF INTEREST

September 11 (18, 25, October 2, 9, 16, 23 and 30), Healthy Carolina Farmers Market,
In front of the Russell House, 10:00 – 2:00

September 28, Nutrition Center Seminar Series, 2:00 – 3:00

PHRC (921 Assembly Street), Room 107

Presenting: Dr. Daheia J. Barr-Anderson

Obesity interventions for African American girls: Does family involvement make a difference?

October 14 – October 16, 6th Annual Southern Obesity Summit

<http://eatSMARTmovemore.org/event/6th-annual-southern-obesity-summit/>

October 26, Nutrition Center Seminar Series, 2:00 – 3:00

Discovery Building (915 Greene Street), Room 140

Presenting: Dr. Angela D. Liese

November 30, Nutrition Center Seminar Series, 2:00 – 3:00

Discovery Building (915 Greene Street), Room 140

Presenting: Dr. Andrew Kaczynski

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Go to: <http://listserv.sc.edu/wa.cgi?SUBED1=NUTRNEWS&A=1>