

## **Cora E. Lewis, MD MSPH FACP FAHA**



### **Professor**

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## **Research Interests**

An internist and epidemiologist, she has considerable experience in long-term epidemiologic studies and clinical trials, including expertise in recruitment and retention in large, long-term studies, measures of body composition and bone density, population surveys, disease outcomes, lifestyle assessments, imaging in the context of large studies and epidemiologic methodology.

## **Educational Background**

- University of Alabama at Birmingham, MSPH, 1990
- Intern & Resident, Internal Medicine, Indiana University Medical Center, 1987
- Indiana University School of Medicine, MD, 1984
- University of Miami, BS, 1980

## **Selected Publications**

1. Lee CG, Boyko EJ, Strotmeyer ES, **Lewis CE**, Cawthon PM, Hoffman AR, Everson-Rose SA, Barrett-Connor E, Orwoll E. Association between Insulin resistance and lean mass loss and fat mass gain in older men without diabetes mellitus. *J Am Geriatr Soc* 2011; 59(7):1217-24
2. Chen Z, Qi L, Beck T, Robbins J, Wu G, **Lewis CE**, Cauley JA, Wright NC, Seldin MF. Stronger bone correlates with African admixture in African American women. *JBMR* 2011; 26(9):2307-16
3. Zhu N, Jacobs DR, Jr, Sidney S, Sternfeld B, Carnethon M, **Lewis CE**, Shay CM, Sood A, Bouchard C. Fat mass modifies the association of fat-free mass with symptom limited treadmill duration in the Coronary Artery Risk Development in Young Adults Study. *Am J Clin Nut* 2011; 94(2):385-91
4. LaCroix AZ, Chlebowski RT, Manson JE, Aragaki AK, Johnson KC, Matin L, Margolis KL, Stefanick ML, Brzyski R, Curb JD, Howard BV, **Lewis CE**, Wactawski-Wende J for the WHI Investigators. Health Risk and Benefits 5 Years after Stopping Randomized Treatment with the WHI Trial of Conjugated Equine Estrogens in Postmenopausal Women with Prior Hysterectomy. *JAMA* 2011; 305:1305-14.
5. Boone-Heinonen J, Diez Roux AV, Kiefe CI, **Lewis CE**, Guilkey DK, Gordon-Larsen P. Neighborhood socioeconomic status predictors of physical activity through young to middle

- adulthood: the CARDIA study. *Soc Sci Med* 2011; 72(5):641-9.
6. Foy CG, **Lewis CE**, Hairston KG, Miller GD, Lang W, Jakicic JM, Rejeski WJ, Ribisl PM, Walkup MP, Wagenknecht LE; Look AHEAD Research Group. Intensive lifestyle intervention improves physical function among obese adults with knee pain: findings for the Look AHEAD trial. *Obesity (Silver Springs)* 2011; 19(1):83-93
  7. Scherzer R, Shen W, Heymsfield SB, **Lewis CE**, Kotler D, Punyanitya M, Bacchetti P, Shlipak MG, Grunfeld C, for the FRAM Study. Intermuscular Adipose Tissue and Metabolic Associations in HIV Infection. *Obesity (Silver Spring)* 2011; 19(2):283-91
  8. Wagenknecht LE, Divers J, Bertoni AG, Langfeld CE, Carr JJ, Bowden DW, Elbein SC, Shea S, **Lewis CE**, Freeman BI. Correlates of Coronary Artery Calcified Plaque in Blacks and Whites with Type 2 Diabetes. *Ann Epidemiol* 2011; 21:34-41.
  9. Levine DA, **Lewis CE**, Williams OD, Safford MM, Liu K, Calhoun DA, Kim Y, Jacobs DR, Jr., Kiefe CI. Geographic and demographic variability in 20-Year hypertension incidence: the CARDIA Study. *Hypertension* 2011; 57(1):39-47.
  10. Look AHEAD Research Group, Wing RR. Long-term Effects of a lifestyle intervention on weight and cardiovascular risk factors in individuals with Type 2 diabetes mellitus: four-year results of the Look AHEAD trial. *Arch Intern Med* 2010; 170(17):1566-75
  11. Grunfeld C, Saag M, Cofrancesco J, **Lewis CE**, Kronmal R, Heymsfield S, Tien PC, Bacchetti P, Shlipak M, Scherzer R, for the FRAM Study. Regional Adipose Tissue Measured by MRI Over Five Years in HIV-Infected and Control Subjects Indicates Persistence of HIV-Associated Lipoatrophy. *AIDS* 2010; 24(11):1717-26.
  12. White D, Keyser J, Lavalley M, **Lewis CE**, Toner J, Nevitt M, Felson D. Clinically important improvements in function common in people with or at high risk of knee OA, the MOST study. *J Rheumatol* 2010; 37(6):1244-51.
  13. Gunderson E, Jacobs D, Jr., Chiang V, **Lewis CE**, Feng J, Quesenberry C, Jr, Sidney S. Duration of Lactation and Incidence of the Metabolic Syndrome in Women of Reproductive Age According to Gestational Diabetes Mellitus Status: A 20-Year Prospective Study in CARDIA - the CARDIA Study. *Diabetes* 2010; 59(2):495-504.
  14. Heymsfield SB, Scherzer R, Pietrobelli A, **Lewis CE**, Grunfeld C. BMI as a phenotypic expression of adiposity: quantitative contribution of muscularity in a population based sample. *Int J Obesity* 2009; 33:1363-73.
  15. Neogi T, Felson D, Niu J, Nevitt M, **Lewis CE**, Aliabadi P, Sack B, Torner J, Bradley L, Zhang Y. Association between Radiographic Features of Knee OA and Pain: results from two cohort studies. *BMJ* 2009; 339:b2844.
  16. **Lewis CE**, McTigue KN, Burke LE, Poirier P, Eckel RH, Howard BV, Allison DB, Kumanyika S, Pi-Sunyer X. Mortality, Health Outcomes, and BMI in the Overweight Range, A. Science Advisory from the AHA. *Circulation* 2009; 119(25): 3263-71.
  17. Berry JD, Liu K, Folsom AR, **Lewis CE**, Carr JJ, Polak JF, Shea S, Sidney S, O'Leary DH, Chan C, Lloyd-Jones DM. Prevalence and Progression of Subclinical Atherosclerosis in Younger Adults with Low Short-Term but High Lifetime Estimated Risk for CVD the CARDIA and MESA. *Circulation* 2009; 119:382-9
  18. Kumanyika SK, Obarzanek E, Stettler N, Bell R, Field AE, Fortmann SP, Franklin BA, Gillman MW, **Lewis CE**, Poston WC, Stevens, Hong Y. AHA Scientific Statement Population-Based Prevention of Obesity The Need for Comprehensive Promotion of Healthful Eating, Physical Activity & Energy Balance, A Scientific Statement from AHA Council on Epidemiology and Prevention, Interdisciplinary Committee for Prevention (Formerly Expert Panel on Population & Prevention Science) *Circulation* 2008; 118:428-64.
  19. Robbins J, Aragaki A, Kooperberg C, Watts N, Wactawski-Wende J, Jackson B, LeBoff MS, **Lewis CE**, Chen Z, Stefanick ML, Cauley J. Factors Associated with Five Year Risk of Hip Fracture in Postmenopausal Women: From the WHI. *JAMA* 2007; 298(20):2389-98.
  20. Mackey DC, Liu LY, Cawthon PM, Bauer DC, Nevitt MC, Cauley JA, Hillier TA, **Lewis CE**, Barrett-Connor E, Cummings SF. High-Trauma Fractures and Low Bone Mineral Density in Older Women and Men. *JAMA* 2007; 298(20):2381-88. PMID: 18042915
  21. Bibbins-Domingo K, Pletcher MJ, Lin F, Vittinghoff E, Gardin JM, Arynchyn A, **Lewis CE**, Williams OD, Hulley SB. Racial differences in incident heart failure among young adults. *NEJM* 2009; 360(12):1179-90.

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