

# Arterial Elasticity in Overweight and Normal Weight Native American Children



The number of overweight children in the United States has become an epidemic, increasing from 5% in the 1970's to 15% in 1999 as reported by NHANES and reaching up to 23% in ethnic minorities. Numerous co-morbid conditions are associated with being overweight; one of the most devastating of these is cardiovascular disease, with 65% of children ages 5 to 10 years already having one cardiovascular risk factor.

Reducing health disparities by  
preventing or delaying diabetes in  
American Indians and Alaskan  
Natives.

**This study seeks to compare  
arterial elasticity among  
overweight and normal weight  
Native American children,  
specifically with relation to  
physical inactivity and abdominal  
adiposity, known risk factors for  
the development of  
atherosclerosis in overweight  
Native American children.**

*Principal Investigator:*

Andrew Gardner, M.D.

Department of Pediatrics  
University of Oklahoma Health Sciences Center  
940 N.E. 13th Street,  
Oklahoma City, OK 73104

Phone: (405) 271-6764

Fax: (405) 271-7501

E-mail: [andrew-gardner@ouhsc.edu](mailto:andrew-gardner@ouhsc.edu)