1. Full Title: Relation of Hormone-Replacement Therapy to Sleep-Related Breathing Disorder (SRBD)
   b. Abbreviated Title (Length 26): HRT and Sleep Apnea

2. Writing Group (list individual with lead responsibility first):
   Lead: Eyal Shahar, M.D., M.P.H.
   Address: Division of Epidemiology, University of Minnesota
   1300 South Second Street, Suite 300
   Minneapolis, MN 55454-1015
   Phone: (612) 624-8231; Fax: (612) 624-0315
   Email: shahar@epivax.epi.umn.edu

   Carol Baldwin, R.N., Ph.D.
   Dr. F. Javier Nieto
   Dr. George O'Connor
   Dr. Susan Redline
   Dr. John Robbins
   Lori Vitelli, MPH
   To be determined, New York
   To be determined, Coordinating Center

3. Timeline: As soon as final PSG data are available.

4. Rationale:
   There are data to suggest that hormone-replacement therapy in the postmenopausal period have a protective effect against SRBD. Of three small trials, two (n=9; n=1) reported benefit and one (n=15) reported no benefit. If indeed hormone-replacement therapy offers protection against SRBD and if SRBD is causally related to cardiovascular disease, this pathway is one mechanism by which hormone-replacement therapy reduces the risk of cardiovascular disease.

5. Main Hypothesis: Among postmenopausal women who are free of clinical cardiovascular disease, the mean values of the apnea index, hypopnea index, and apnea-hypopnea index are lower in those using hormone-replacement therapy than in those not using, after adjustment for age, indices of body size, and indices of general health status.

6. Data (variables, time window, source, inclusions/exclusions): Any site that has data on menopausal status and hormone-replacement therapy can contribute data to this analysis.
The analysis will be restricted to postmenopausal women.