Resources for Secondary Data Analysis from the National Institute on Aging (NIA)

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Data sets, data sets, and more data sets …

From LEDB and friends

- **EPESE – East Boston, New Haven, Iowa, Duke**
- Hispanic EPESE
- MacArthur Studies of Successful Aging
- **Honolulu-Asia Aging Study (HAAS)**
- Action to Control CV Risk in Diabetes (ACCORD)
- Veteran's Study of Memory and Aging (VSMA)
- Longitudinal Study of Aging (LSOA)
- Mortality Follow-Back Survey
- NHANES Epidemiologic Follow-Back Survey
- **Aging Gene and Environment Study (AGES)**

Data sets, data sets, and more data sets …

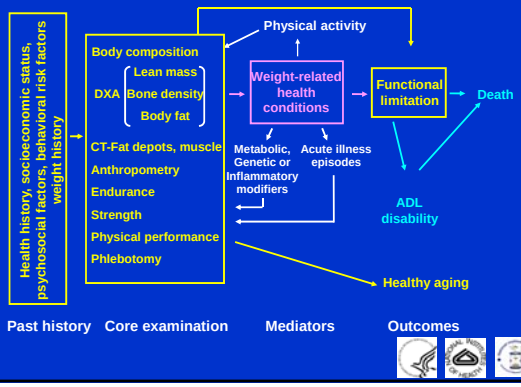
From LSS/CRB (*and LEDB)

- BLSA
- InCHIANTI*
- WHAS*
- **Health ABC***
- **HANDLS**
- **SardiNIA**

Health, Aging and Body Composition Study

- Longitudinal cohort study
- 3075 black (42%) and white, men (48%) and women
- Aged 70-79 years between 4/97 – 6/98
- Community-resident in Memphis or Pittsburgh
- Well-functioning
  - no reported difficulty walking ¼ mile, up 10 steps, or performing basic ADL
  - no need for a walking aid or proxy respondent
- Follow-up
  - annual clinic visits
  - interim 6-month phone calls

Health, Aging and Body Composition Study



Health ABC – Core Components

Clinic Exam

- DEXA – whole body & hip
- Physical performance
- Exercise tolerance
- BP, EKG & Ankle-arm index
- 3MS & DSST
- Grip & knee extensor strength
- Pulmonary function
- Medication use
- Ht, wt, circumferences
- Joint evaluation
- Assays: OGTT, HgbA1c, TSH cytokines, cholesterol, CBC

Interview

- Physical function
- Physical, work, volunteer & caregiving activity
- Appetite, eating & diet
- Weight history and change
- Sleep & fatigue
- ETOH and smoking
- Symptoms, including pain
- Depression, anxiety, mastery
- Finances and health insurance
- Medical conditions
- TV and reading time
- Social network & support

Health ABC – Special Features

Exam Components
- Abdominal & thigh CT
- Knee MRI & X-Ray
- Calcaneal ultrasonography
- Executive control
- Muscle fatigue
- Ankle & isometric leg strength
- Pulse wave velocity
- Metabolic acidosis
- Peripheral neuropathy
- Vision, hearing, smell, dental
- Literacy
- Banked specimens

Substudies
- Energy expenditure
  Y2-Y3, n=325
- Bereavement
  Y2-Y7, n=240?
- Cognitive vitality
  Y3,Y5,Y7,Y9 n=920
- ARIF
  Y3.5-Y4.5, n=50
- Weight change
  Y4-Y5, n=450

Accessibility Requirements

- Sponsorship of a Health ABC Core Investigator
- Approved analysis plan
- Data analysis resources (ideally yourself)

Healthy Aging in Neighborhoods of Diversity across the Life Span

- Longitudinal cohort study planned to be 20 years
- 3722 black (59%) and white, impoverished (42%) men and women
- Aged 30-64 years between 2004 and 2009
- Community-resident in 12 Baltimore neighborhoods
- Two phases of baseline data collection
  - household survey (area probability sampling)
  - clinical examination (Medical Research Vehicles; n=2802)
- First full follow-up expected completion 2012
  - interim visit 1.5 years post-enrollment
  - expected retention ~ 75% of survivors

HANDLS – Baseline Measures

http://handls.nih.gov

Household Survey
- General demographics
- Physical function
- SF-12
- Health care utilization
- Neighborhood characteristics
- Dietary recall battery
- Religiosity & spirituality
- Household composition
- Psychosocial factors: coping, ethnic identity, discrimination
- Dental health
- Medical mistrust

Interview/Exam
- Physical performance
- Medical history
- BP, ht, wt, waist circumference
- DXA
- Cognition
- ETOH and smoking
- Ambulatory EKG
- Depression, anxiety
- Carotid ultrasound
- Pulse wave velocity
- Urine and blood analytes: CBC, CRP, lipids, glucose, hbA1C
- Medications

The SardiNIA Study

- Longitudinal cohort study planned to be 10 years
- 6148 men (43%) and women from 4 towns
- Aged 14-102 years between 2001 and 2004
- Founder / isolated, highly inter-related population
- Emphasis on cardiovascular disease risk factors and subclinical markers of CVD, personality (NEO-PI-R) and genetic traits and genotypes
- At least 98 quantitative traits phenotyped
- Repeat visits 2006-2011 for outcomes and new phenotypes

Thank You!

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