Update: Mexican Health and Aging Study - MHAS

Funded by NIA/NIH (R01 AG018016) in the United States and by INEGI in Mexico.
MHAS Timeline

Baseline Sample

- Wave 1: 2001
- Wave 2: 2003
  - 546 Deceased

Added Refresh Sample

- Wave 3: 2012
  - 2,742 Deceased (Accumulated=3,288)
- Wave 4: 2015
  - 1,219 Deceased * (Accumulated=4,507)

Next-of-Kin Interviews

Note: (*) Preliminary
MHAS Sub-Samples

Sample: Born in 1951 or earlier
n=15,186

2001 WAVE 1
2,573 sub-sample anthropometrics

2003 WAVE 2
2,541 sub-sample anthropometrics

2012 WAVE 3
2,089 sub-sample biomarkers

2015 WAVE 4
1,800 sub-sample cognition*
1,200 sub-sample cognition and biomarkers*

Added new sample: Born 1952-1961:
n=5,896

Note: (*) Estimated

2,089 sub-sample biomarkers

Note: (*) Estimated
Biomarkers Sub-Sample

Wave 3 (2012)

Intravenous Blood
  ◦ CRP (high sensitivity)
  ◦ Total Cholesterol and HDLC
  ◦ Thyroid Stimulating Hormone
  ◦ Vitamin D

Finger Prick
  ◦ Hemoglobin Hb (using Hemocue)
  ◦ Circulating Glucose HbA1c (using Ac1 Now)
Field Results in MHAS 2015 (Target: n=18,006* Follow-Up)

Non-Response** 11.7%
Complete Interviews 88.3%

Proxy Interviews 5.2%
Direct Interviews 76.4%
Next-of-kin Interviews 6.7%

(*) Includes new spouses found in MHAS 2015. (**) Non-Response includes refusals, losses, and incomplete.
MHAS 2015 Sub-Sample

MHAS Cognitive Aging Ancillary Study (MCAS) – funded by NIA/NIH (R01AG051158)

- Sub-sample n~3,000, age 55+ (2016)
- In depth cognitive assessment to cross-walk between full sample and this sub-sample
- Harmonized application with the US-HRS, England-ELSA, and India-LASI.
MHAS (Wave 4) Sub-Sample: Age 55+ for Cognitive Aging Ancillary Study

MHAS Wave 3, 2012
Sub-sample: for Biomarkers

MHAS Wave 4, 2015
Same Sub-sample
Plus added (and obtain biomarkers)

Sub-sample for In-Depth Cognitive Assessment (2016)
MHAS Dissemination

• Study website  www.MHASweb.org

• Available at website:

  ✓ Databases and documentation
  ✓ Search engine for publications using MHAS data
  ✓ Forum for users’ questions and answers
  ✓ Access to created and imputed variables, as well as harmonized variables
MHAS - 2001

MHAS - 2012

MHAS - 2015