



~ 2023 Pilot Study ~

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Objectives

- **Scientific Objectives:**

- Advance research on aging in the Colombian context, with specific focus on
 - Violence and displacement & other lifetime stressors
 - Social connections and engagement
 - Labor informality, income/pensions
 - Health care coverage and access
 - Environmental exposures
- Comparisons of levels of and risks for disease, disability, cognitive impairment and dementia with other Latin American countries and globally
 - Biological and genetic underpinnings of aging process/disease risk

- **Pilot Aims:**

- 1) Develop a harmonized core interview, including protocols for conducting physical and cognitive health assessments and venous blood collection.
- 2) Conduct interviews with sampled respondents and collect blood from venous blood subsample.
- 3) Assess feasibility of data collection, as well as challenges and successes in fieldwork, and analyze data & compare distributions with HRS studies.

COSA: Colombian Study of Aging



Basic Overview

- Location: Colombia
- Timing: 2023 (pilot study)
- *Pilot*: 6 cities representing urban and rural areas, with oversampling of Afrocolombians
- *Planned study*: nationally representative with oversampling of Afrocolombians and Indigenous population

Study Population

- ~1,200
- 50+ spouses and partners
- *Pilot*: Aug-Sept 2023
- *Planned study*: ~10,000, every 2 years

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COSA - Domains

Study Design

- Survey mode
 - Face-to-face
- What type of information are you collecting?
 - Early life conditions, violence and displacement, economics, labor formality, cognition, health, health care, psychosocial, neighborhood

Biomarkers

- Objective is to establish feasibility of collection, transportation/storage, assay (~100 people)
- Planned tissues to collect
 - Venous blood, saliva
- Planned assays
 - CBC, lipid panel, viral load, DNAm, RNAseq, AD biomarkers

Additional info

- Life history survey modeled on SHARE, HRS, and Colombian surveys; in person, off wave
- Pilot sample -> Innovation Sample
- *Planned study:* Administrative data linkages
- *Planned study:* Algorithmic dementia classification/HCAP