# The Caribbean-American Dementia and Aging Study (CADAS): a multinational initiative to address dementia in Caribbean populations.

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## Introduction

Most of the studies in Alzheimer's Disease (AD) include Latino populations within the same group, failing to sufficiently account for the diversity represented across Latino communities including:

- Genetic ancestry
- Cultural beliefs
- Environmental factors
- Socioeconomic diversity

There is substantial AD heterogeneity among Hispanic groups.

The Caribbean-American Dementia and Aging Study (CADAS) is a multinational initiative aimed to answer key questions regarding dementia determinants and Caribbean-origin consequences in populations in origin communities as well as among emigrant populations in the United States.

## Objective

1. Collect survey data in non-metro Puerto Rico, Cuba and Dominican Republic that parallel existing 10/66 samples collected in capital city areas in each country/island.

Analyze dementia relationship with 2. hypothesized life course socioeconomic determinants in Caribbean populations.

3.Analyze societal costs of dementia as shaped by country/island-specific factors (e.g., health care utilization, ADL/IADL limitations, co-residence patterns, and caregiving time costs)

#### Setting:

- 1. New recruitment: potential participants from the general population, using a door-to-door strategy and from representative non-metro areas from Dominican Republic and Puerto Rico. Subjects are eligible for the study if they fulfil the following criteria:
  - ➢ 65 years old or older
  - > Presence of a knowledgeable informant and/or presence of a contact that allows the follow up of the participant

Cross-country comparisons: Harmonized analyses of dementia determinants and societal costs across these populations as well as comparing with the Cuban 10/66, the U.S HRS and Harmonized Cognitive Assessment Protocol (HCAP) data (Table 1 & Figure 1).

#### Table 1. Existing HRS and 10/66 data and expected recruitment.\*

	HRS	10/66.	CADAS**.
	(N=9834)	(N=6833)	(N=4000)
Age mean/SD	74.3 ± 7.6	73.4 ± 7.4	73.5 ± 8.0
Female n(%)	5631	7444	2200
	(56.3)	(58.5)	(55.0)
Education>9yr	6412	1948	1520
n(%)	(65.2)	(15.3)	(38.0)
Dementia n(%)	895	1401	520
	(9.1)	(11.1)	(13.0)
Hispanics* n(%)	937	12 734	4000
	(9.5)	(100)	(100)

\*Hispanics: 56.4% Caribbean, 43.6% Non-Caribbean (including 10/66 and HRS combined).

\*\*Estimated recruitment

