



Longitudinal Aging Study in India – Diagnostic Assessment of Dementia, LASI-DAD

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NIA/NIH (1R01AG051125, 1RF1 AG055273 , 1U01 AG064948)

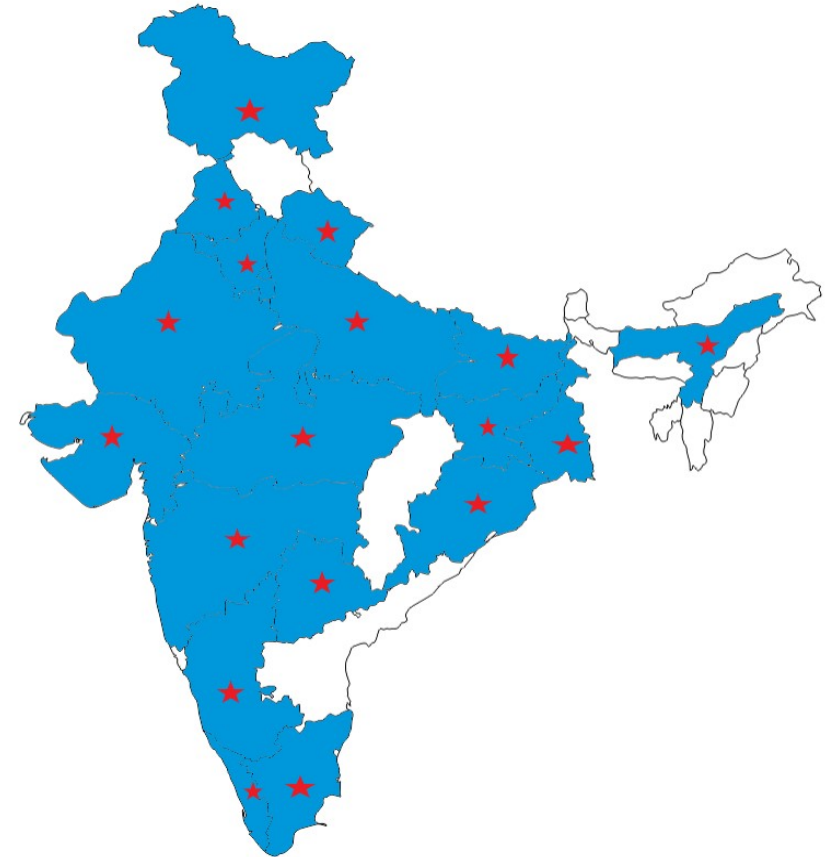


LASI-DAD

- An in-depth, nationally representative study of late-life cognition and dementia in India

We administered an enriched Harmonized Cognitive Assessment Project (HCAP) protocol to a sub-sample of **4,000+** LASI respondents aged **60+** from 18 states and union territories in 2018-2020.

We secured funding for Wave 2, which is scheduled in 2021-2023.





Wave 1 Protocol

- Cognitive tests & Informant report
- Clinical consensus diagnosis
- Geriatric assessment: Anthropometry, blood pressure, hearing test, depression, anxiety, Mini Nutritional Assessment
- Venous Blood Specimen (VBS) assays: Complete blood cell counts, HbA1c, serum based assays, glucose, lipid panel, triglycerides, lipoprotein(a), proBNP, hsCRP, metabolic panel, including renal and liver functions, cystatin C, TSH, T₃, T₄, vitamin B₁₂, folic acid, homocysteine, 25-hydroxyl-vitamin D
- Whole blood repository: serum, plasma, buffy coat, dried blood spot



Wave 1 Protocol (-continued)

- **Global Screening Array:**

Illumina Infinium GSA-24 v2.0 Beadchip, 640,000 genetic markers) for N~1,000

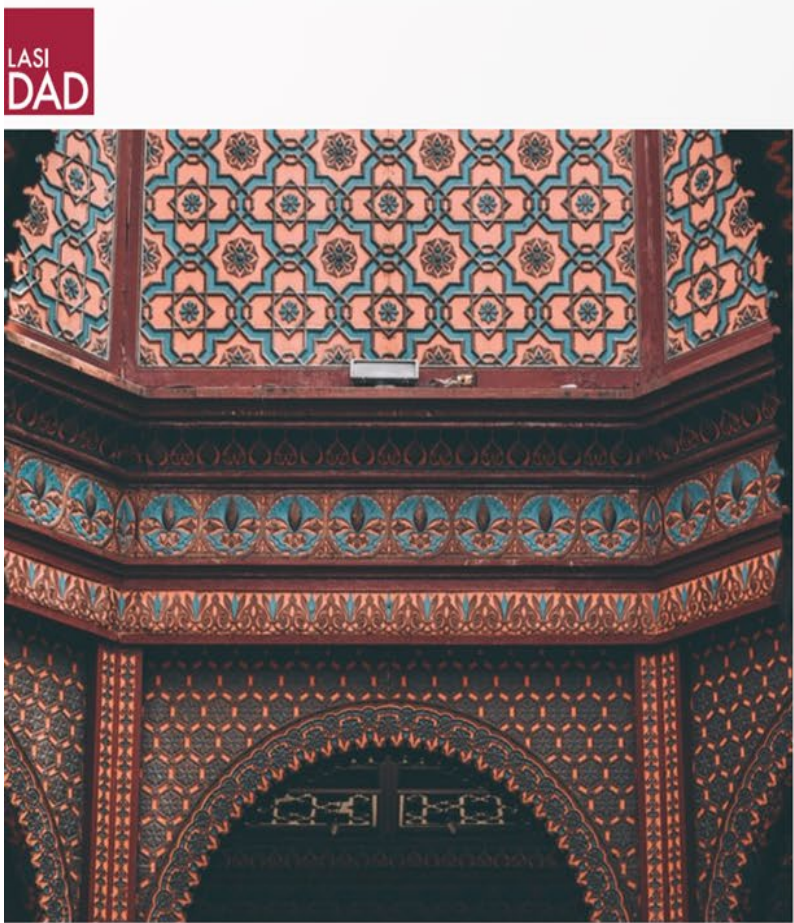
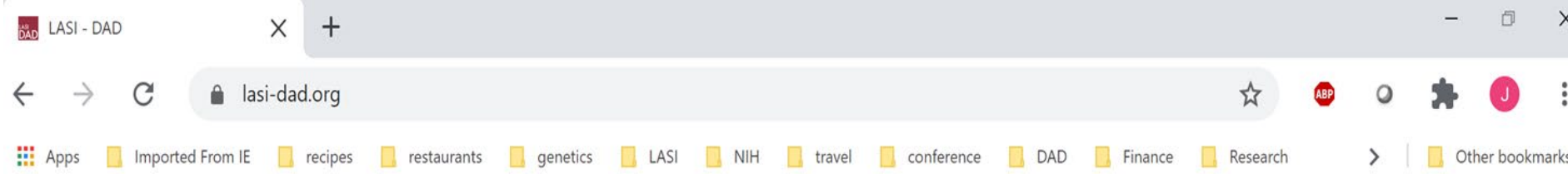
- **Neuroimaging:**

ADNI-3 protocol 3.0 Tesla: Localizer, , 3D T1, 3D FLAIR, 3D ASL, Diffusion MRI, Resting state fMRI, High resolution T2 (N=137)

- **Whole Genome Sequencing:** in progress

Illumina Hi-Seq X 10 for N~3,000

– the largest and most comprehensive dataset of genetic variation from South Asia



Longitudinal Aging Study in India Diagnostic Assessment of Dementia

An in-depth study of cognitive aging and dementia for a sub-sample of the Longitudinal Aging Study in India (LASI)

We aim to estimate the prevalence of dementia and mild cognitive impairment and to contribute to a better understanding of the determinants of late-life cognition, cognitive aging, and dementia. We also aim to study the impact of dementia and cognitive impairment on families and the society.

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Thank You!

lasi-dad.org