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NIA Welcome and Introductions

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Division of Behavioral and Social Research (BSR)
National Institute on Aging (NIA)/NIH
2023 HRS Around the World Studies meeting
Dublin, Ireland
Tuesday, August 22, 2023

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Outline of presentation

1. NIA funding environment
2. Why is NIA BSR interested in global aging research?
3. NIA facilitates cross-national research through support of HRS/HCAP
4. How can you help NIA BSR achieve its goals?
5. Key take-aways

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National Institute on Aging (NIA) funding environment

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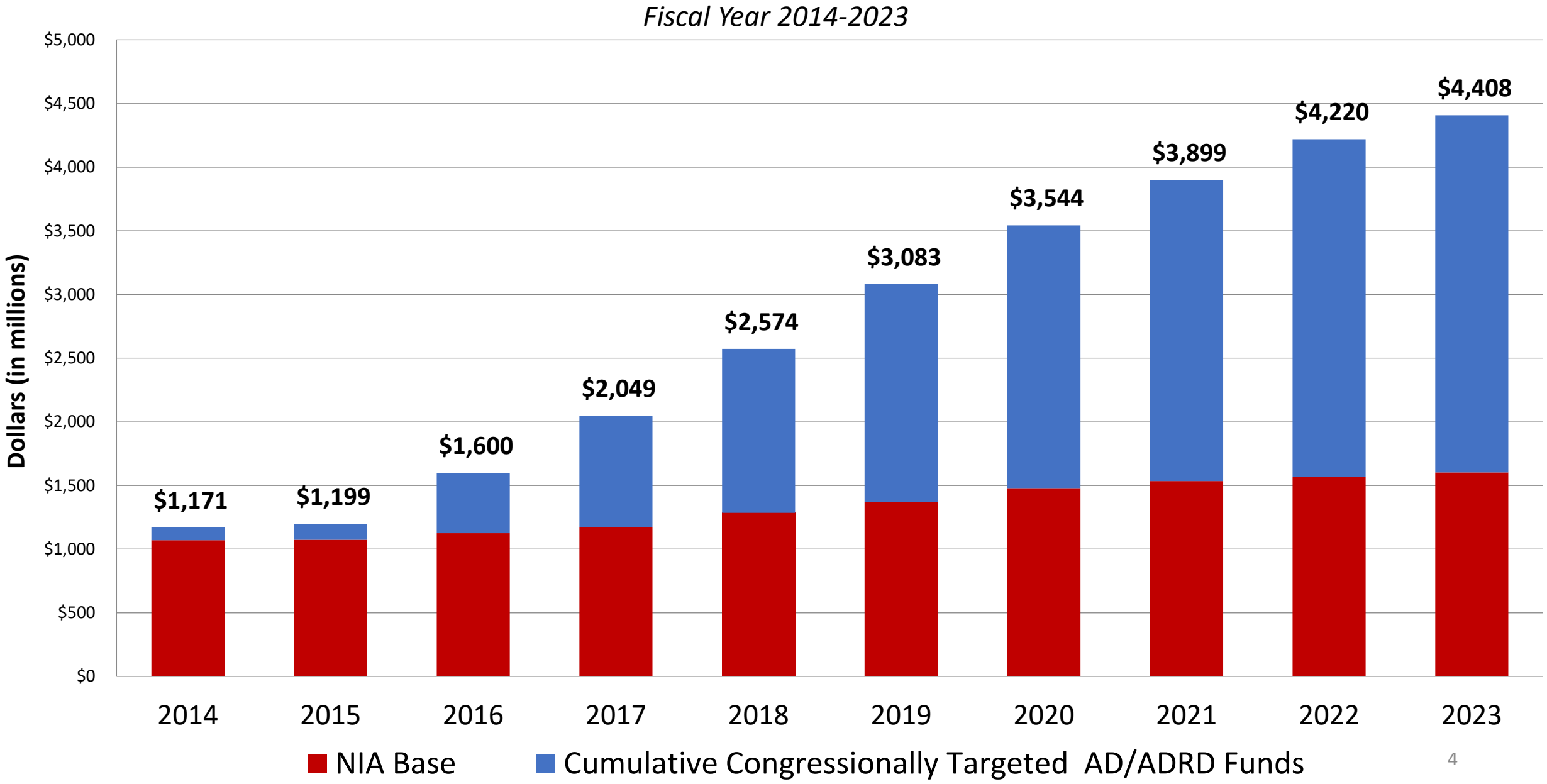
NIA funding has increased dramatically in recent years



Much of this growth is due to the increase in NIA Alzheimer's Disease and Related Dementias (AD/ADRD) Appropriations

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
National Alzheimer's Project Act (NAPA)	**$50 M*** redirected within NIH budget	**$40 M*** redirected within NIH budget	**$100 M** additional approp.	**$25 M** additional approp.	**$350 M** additional approp.	**$400 M** additional approp.	**$414 M** additional approp.	**$425 M** additional approp.	**$350 M** additional approp.

2021	2022	2023
$300 M additional approp.	**$289 M** additional approp.	**$151 M**** additional approp.

*One-year money; years displayed are fiscal years.

**This figure does not include an additional $75M in AD/ADRD funds to NINDS, giving an overall increase in AD/ADRD funds of $226M in FY 2023.

The FY 2023 funding cutoff points (pay line) are more generous for AD versus non-AD applications

CSR-Reviewed Research Applications (Percentile Based)				
	General Pay Line, <$500K	General Pay Line, =>$500K	AD/ADRD Pay Line, <$500K	AD/ADRD Pay Line =>$500K
All applications exceptions see website	15%	12%	25%	25%
N.I. R01s	18%	15%	28%	28%
E.S.I. R01s	20%	17%	30%	30%

New Investigator (N.I.): An applicant who has not received a prior R01 award or its equivalent.
Early-Stage Investigator (E.S.I.): A new investigator who is within 10 years of finishing research training.
AD/ADRD: Research on Alzheimer's disease and Alzheimer's disease-related dementias.

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Why is NIA BSR interested in global aging research?

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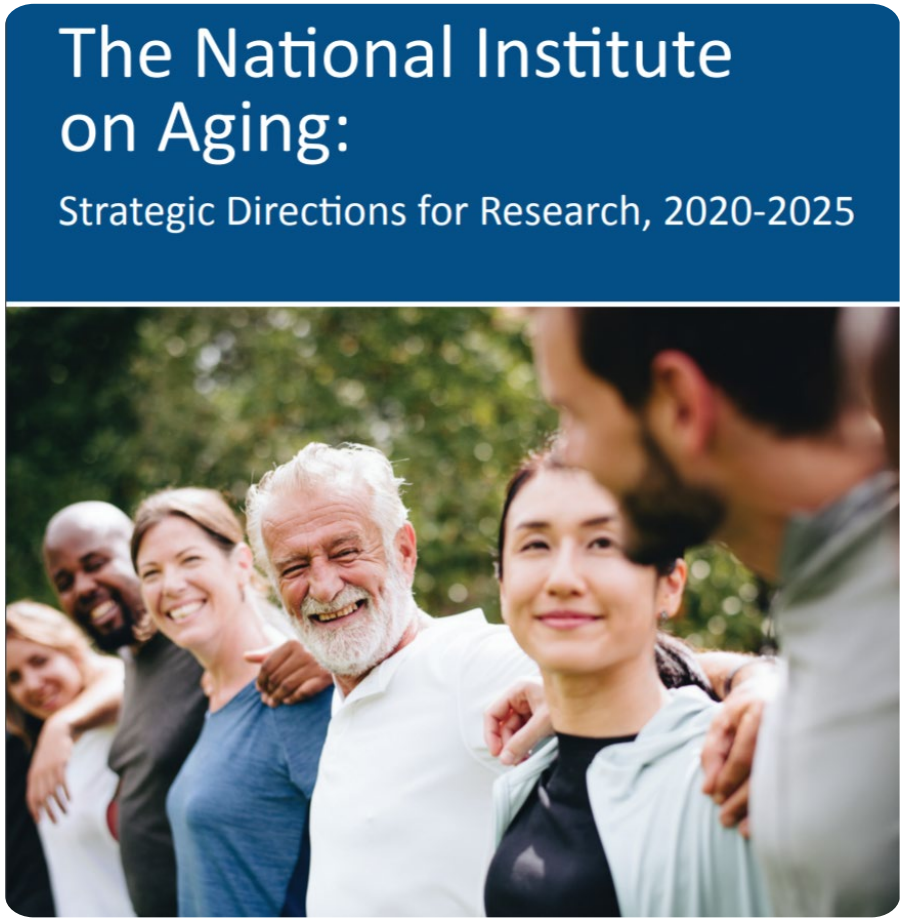

NIA Strategic Directions include international focus

- "NIA will continue to support research on the social, economic, and demographic consequences of the aging population in the U.S. and other countries"

- "Support the development of internationally harmonized biological, social, and behavioral longitudinal data on aging to foster cross-national research"

- "Support international comparative research on risk factors, incidence, and prevalence of cognitive impairment and dementia"

NIA BSR prioritizes AD/ADRD research spanning several topics

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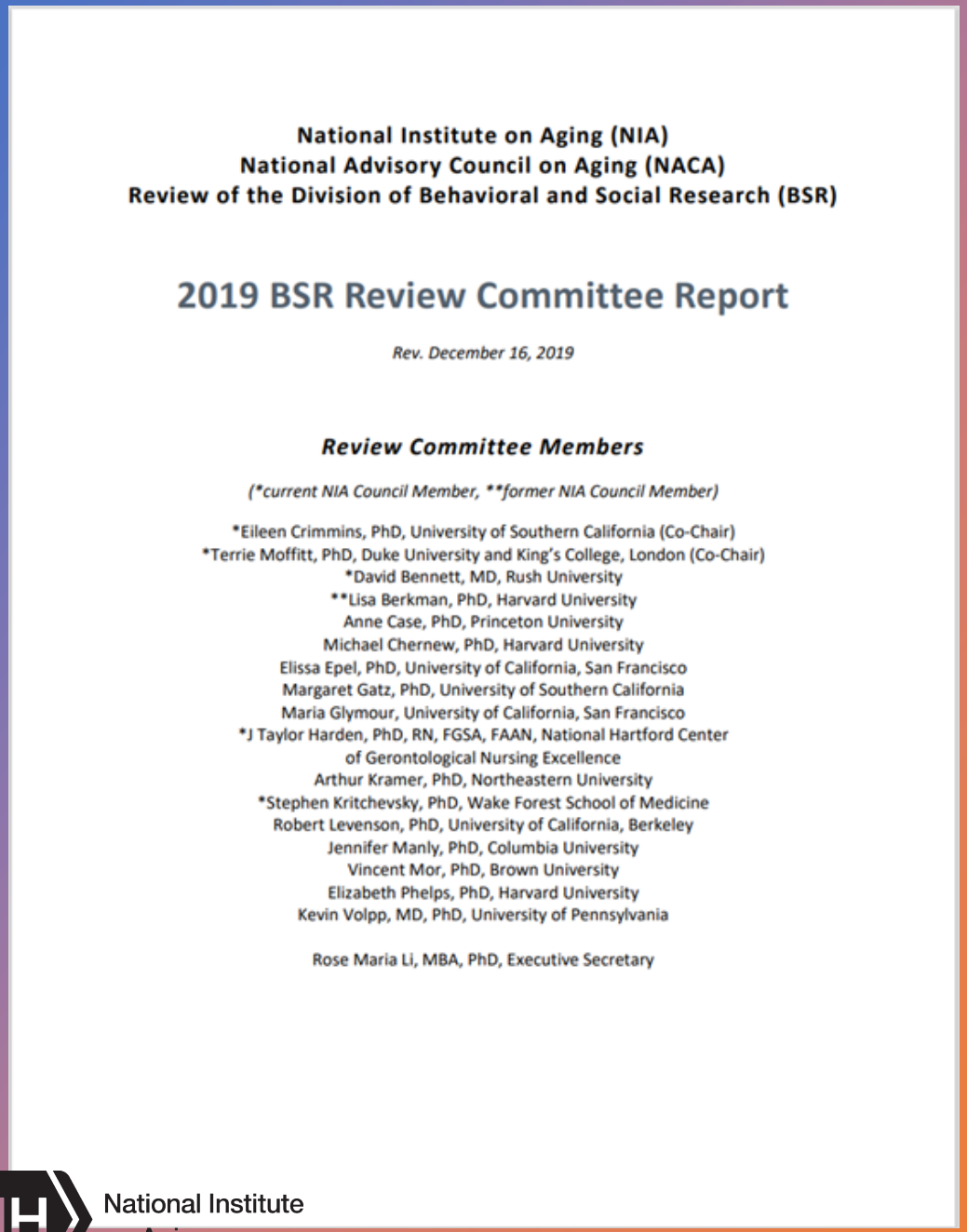
See here for more information

US Congress has prioritized the study of the exposome relevant to AD/ADRD

- Importance of mechanistic research to address ADRD disparities, including the social and contextual factors
- Capture measures of all the **exposures of an individual over the life course** to explore aspects of the exposome salient for AD/ADRD
- Resources
  - https://www.congress.gov/congressional-report/117th-congress/house-report/96/1?overview=closed
  - Understanding the Role of the Exposome in Brain Aging, Alzheimer's Disease (AD) and AD-Related Dementias (ADRD)
  - NOT-AG-22-022 Notice of Special Interest (NOSI): Administrative Supplements to Support Research Infrastructure on Exposome Studies in Alzheimer's Disease (AD) and AD-Related Dementias (ADRD)



National Institute on Aging (NIA)
National Advisory Council on Aging (NACA)
Review of the Division of Behavioral and Social Research (BSR)

2019 BSR Review Committee Report

Rev. December 16, 2019

Review Committee Members

*(*current NIA Council Member, **former NIA Council Member)*

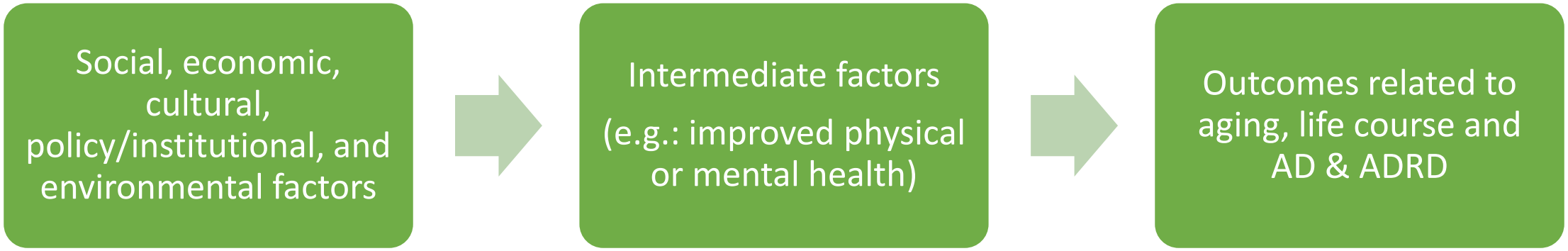
*Eileen Crimmins, PhD, University of Southern California (Co-Chair)
*Terrie Moffitt, PhD, Duke University and King's College, London (Co-Chair)
*David Bennett, MD, Rush University
**Lisa Berkman, PhD, Harvard University
Anne Case, PhD, Princeton University
Michael Chernew, PhD, Harvard University
Elissa Epel, PhD, University of California, San Francisco
Margaret Gatz, PhD, University of Southern California
Maria Glymour, University of California, San Francisco
*J Taylor Harden, PhD, RN, FGSA, FAAN, National Hartford Center of Gerontological Nursing Excellence
Arthur Kramer, PhD, Northeastern University
*Stephen Kritchevsky, PhD, Wake Forest School of Medicine
Robert Levenson, PhD, University of California, Berkeley
Jennifer Manly, PhD, Columbia University
Vincent Mor, PhD, Brown University
Elizabeth Phelps, PhD, Harvard University
Kevin Volpp, MD, PhD, University of Pennsylvania

Rose Maria Li, MBA, PhD, Executive Secretary

NIA BSR's work is guided by external recommendations from NACA

- Causal drivers of health disparities
- Macro-social trends on aging
- Improve care for persons with dementia and caregivers

Global Aging Research addresses NIA research priorities by examining how behavioral and social factors influence outcomes in varying contexts (cross-national comparisons)



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NIA facilitates cross-national research through support for the HRS and HCAP

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Cross-national research provides opportunities to study variation in aging outcomes

- Improve understanding how aging in **different** institutional, policy, environmental, economic, social, geographical, and cultural **contexts** can lead to different aging outcomes

- The **cross-national laboratory** provides opportunities to examine differences in national and regional polices

- Can inform interventions and policies in the United States and globally

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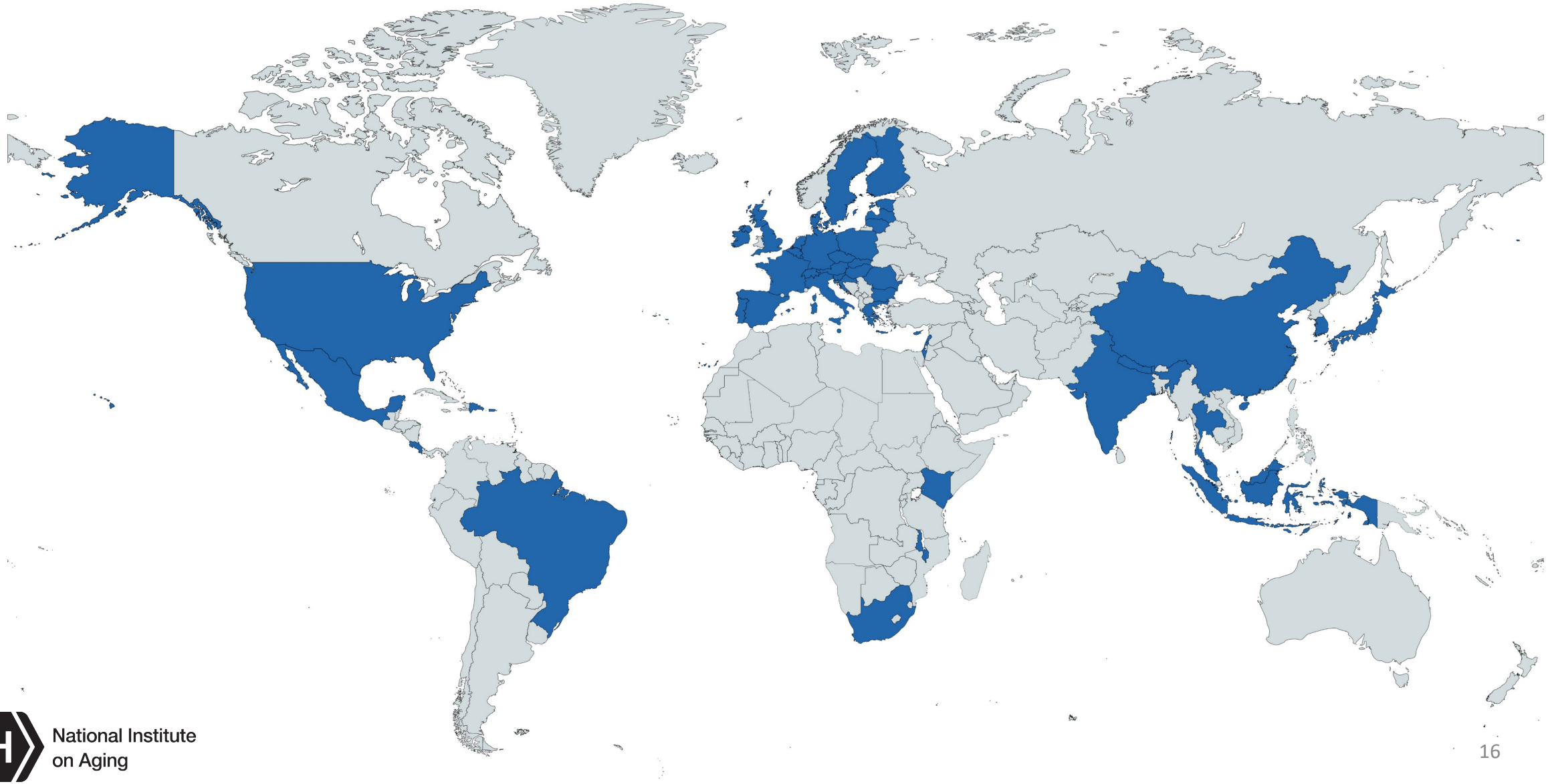
Health and Retirement Study (HRS)

- Nationally-representative
- Longitudinal
- Multi-disciplinary
- Innovative
- Internationally comparable (harmonized)
- Publicly available

HRS studies have been conducted in over 40 countries and cover over 70% of people ages 60+ worldwide



Harmonized Cognitive Assessment Protocol (HCAP)

- HRS subsample
- Nationally representative sample, age 65+ (US)
- Comparable diagnostic classifications of mild cognitive impairment and dementia
- Captures set of key cognitive domains
- Projection of diagnostic classification to full sample
- Harmonized international data – incidence/prevalence

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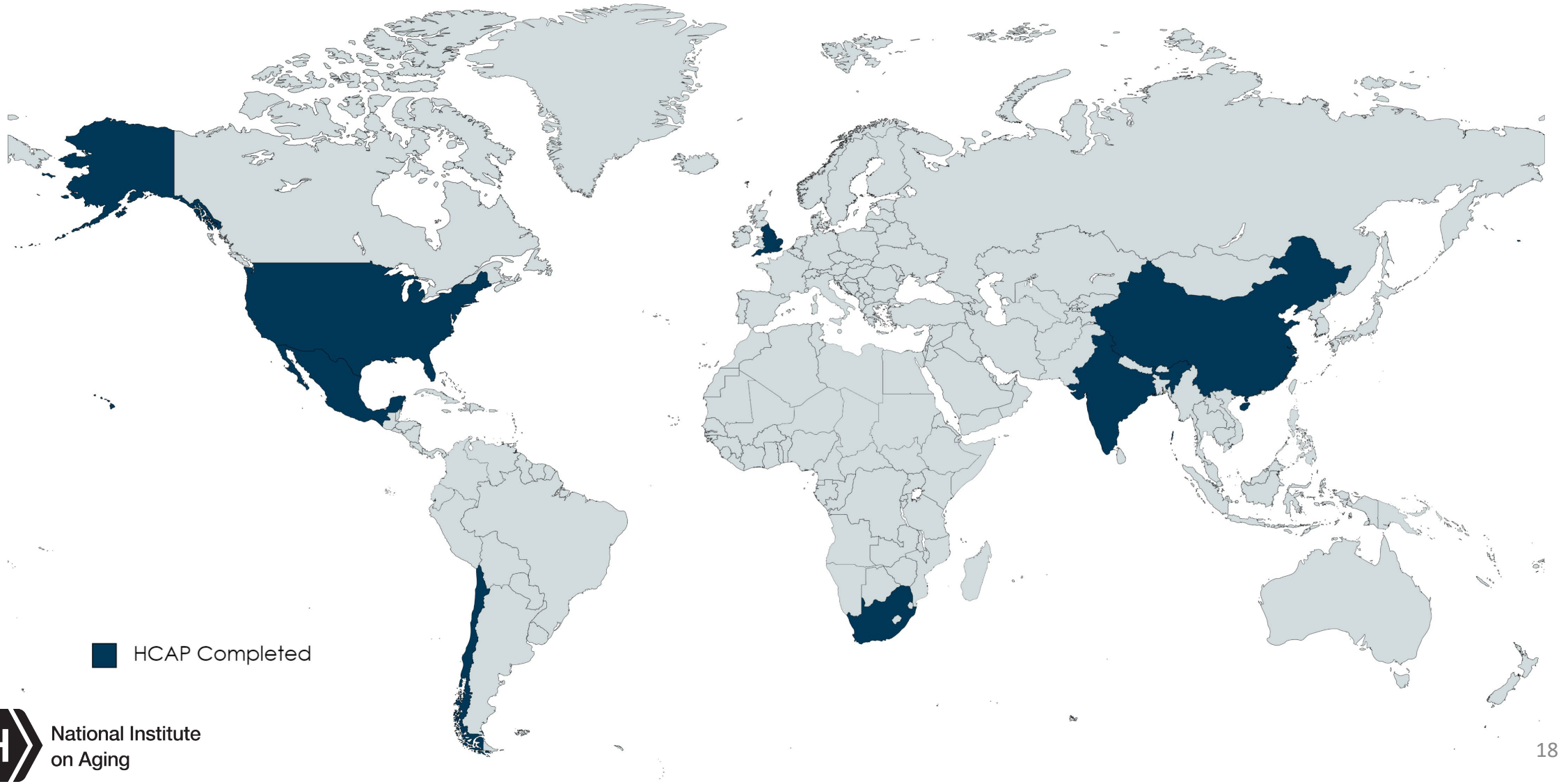
HCAP studies have been completed in 7 countries



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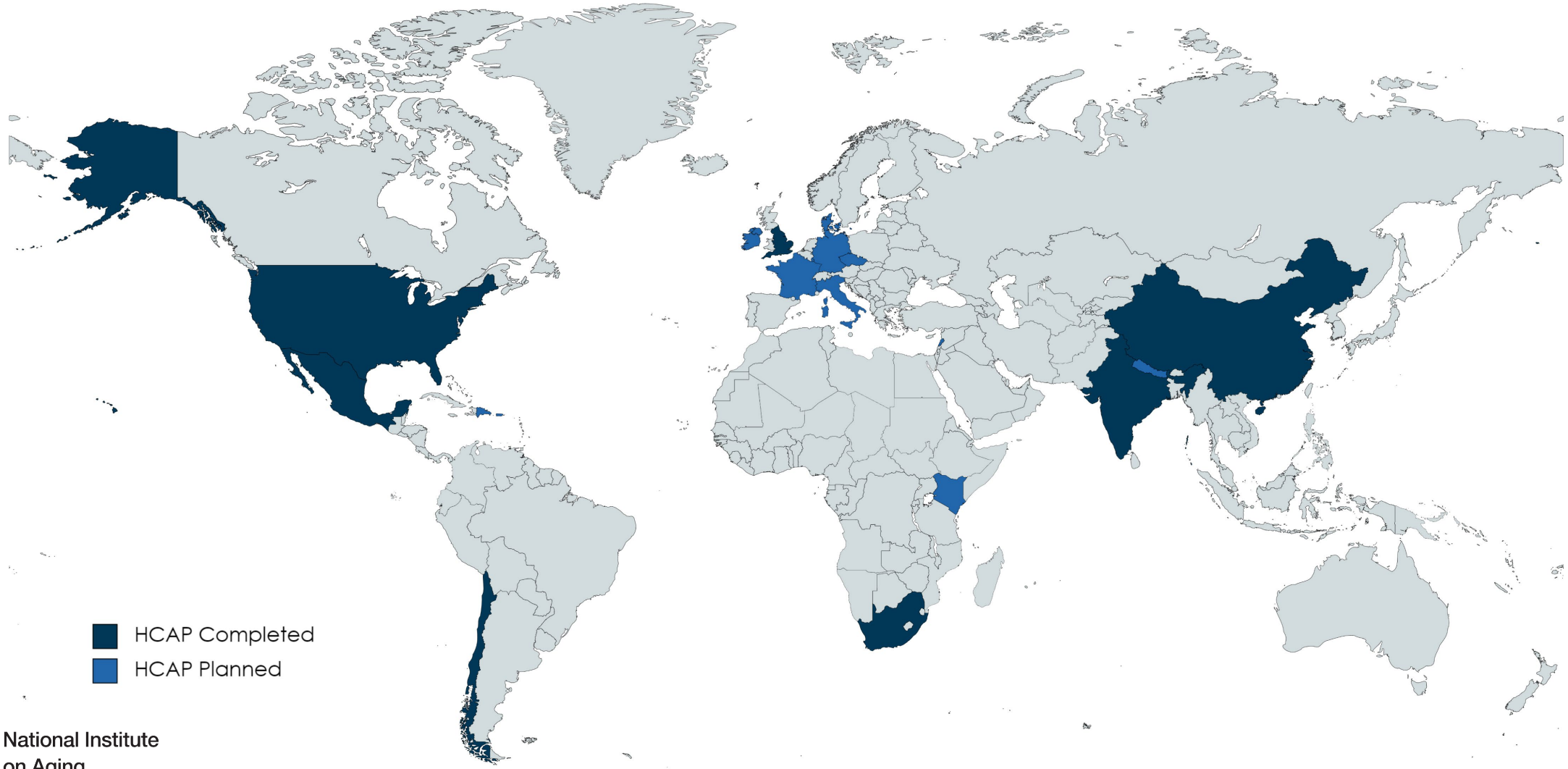
HCAP studies are in process in several countries



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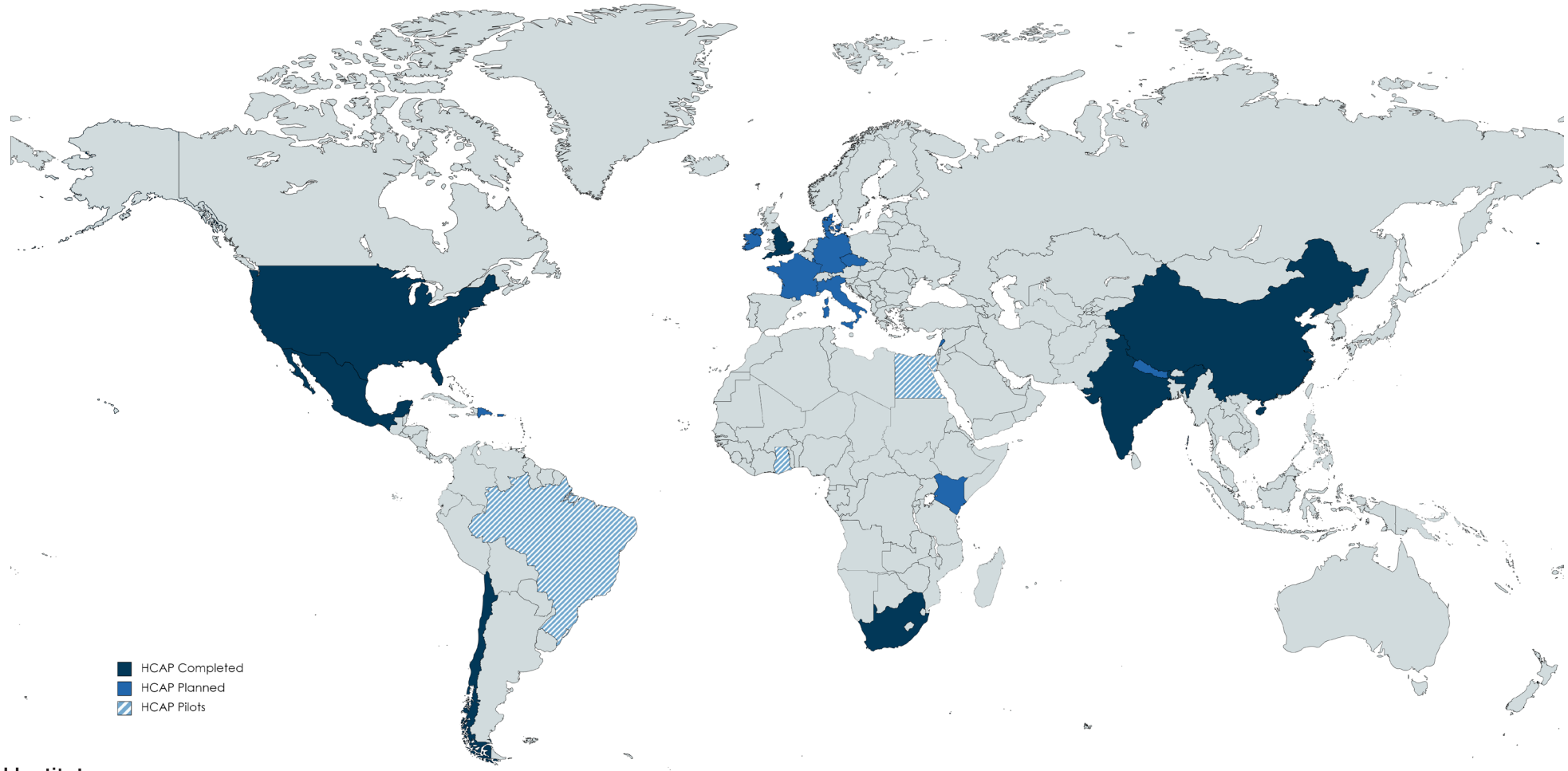
There are three HCAP pilots in process: Brazil, Ghana, and Egypt



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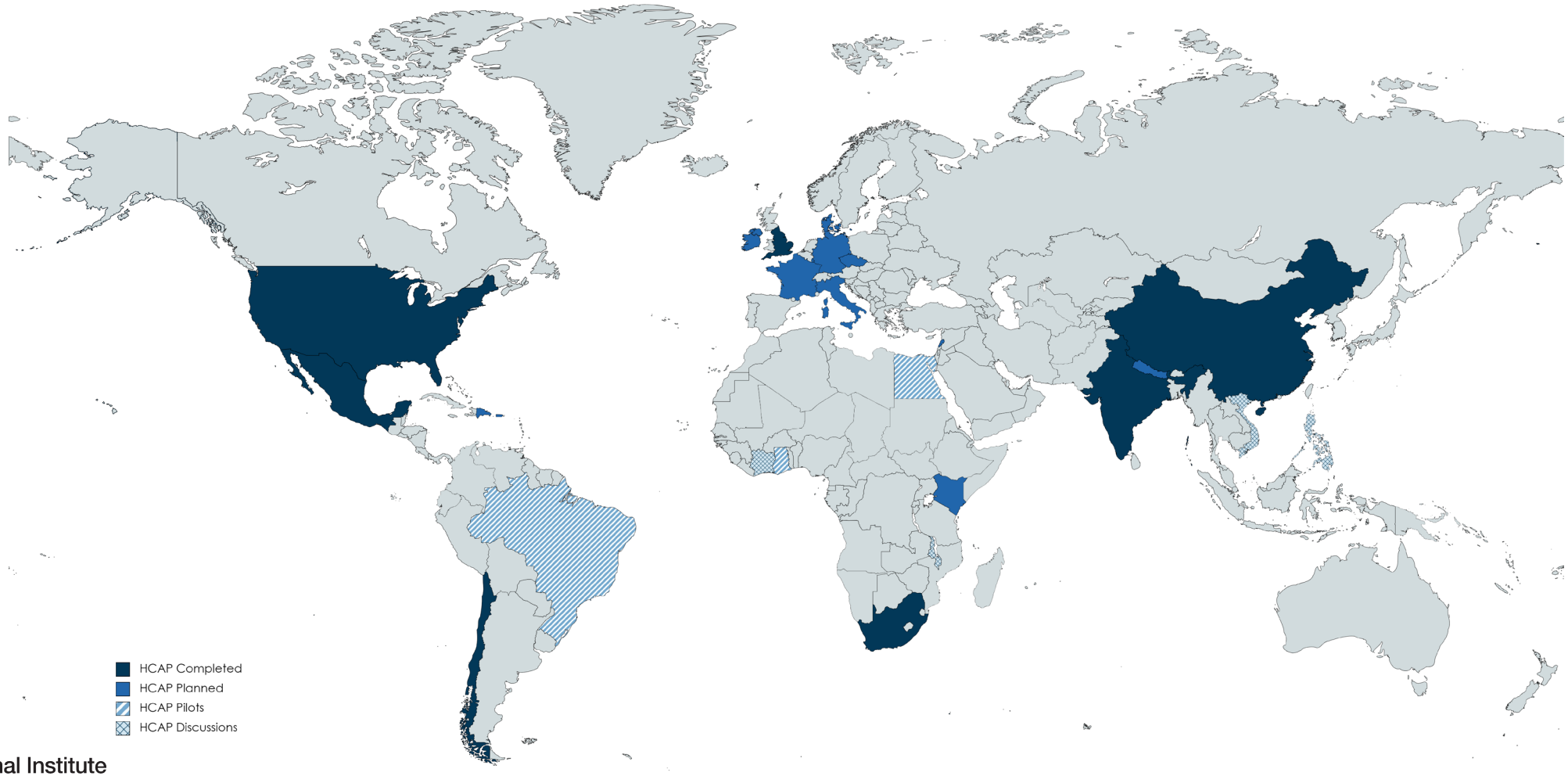
Preliminary discussions for HCAP studies in Malawi, Cote D'Ivoire, Vietnam and the Philippines



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How can you help NIA BSR achieve its goals?

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Harmonize!

Harmonize!

Harmonize!

NIA BSR's biggest ask: Harmonize!

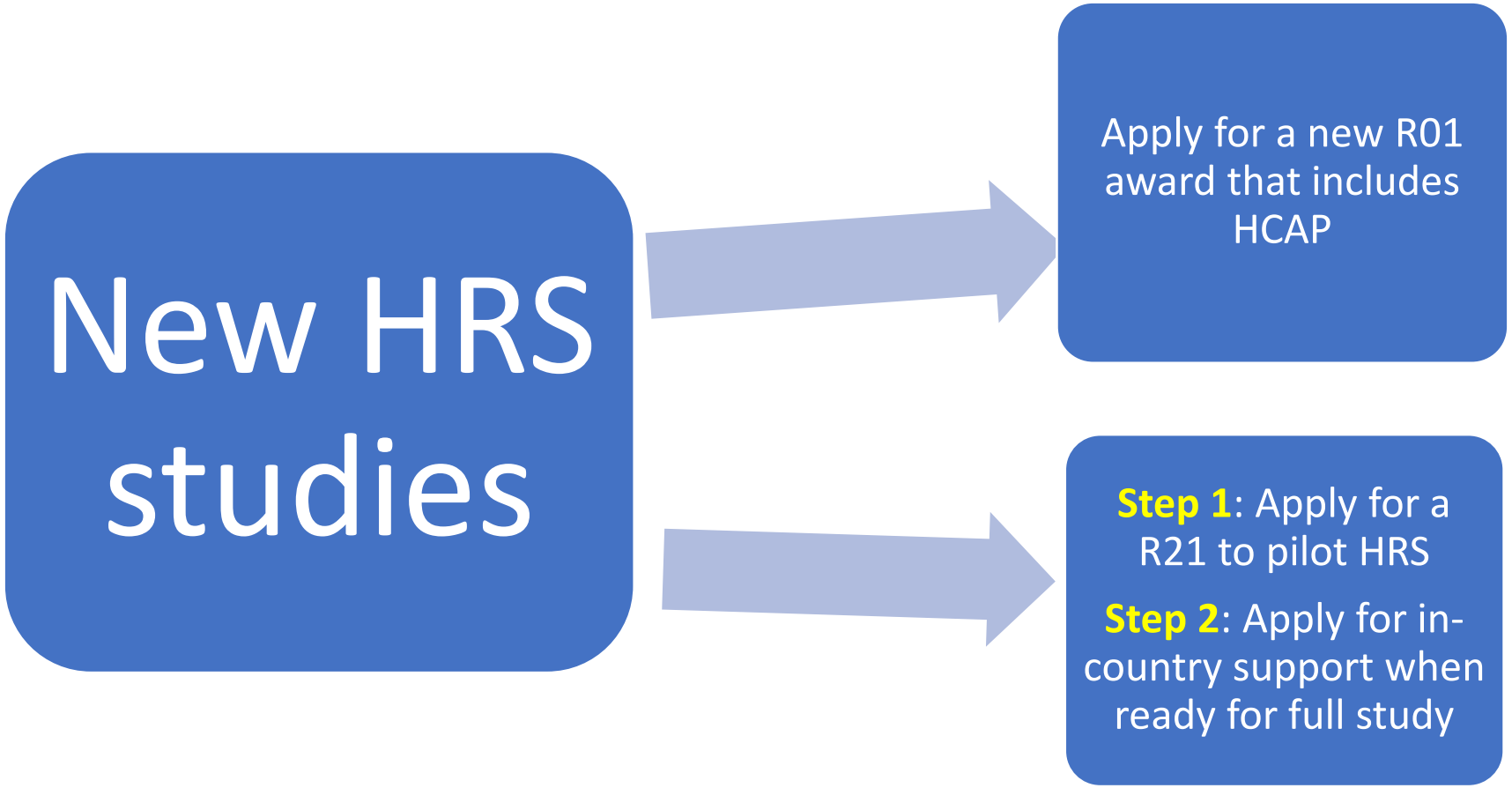
- Harmonization, not homogenization
- If you're considering doing something new, make use of the HRS ATW network!
- Learn about the pros and cons for different approaches.
- If your data is not harmonized, this is a "**fail**" (-John W.R. Phillips)

Help NIA BSR add countries/regions that add new contextual dimensions to the HRS ATW family

- Sub-Saharan Africa – continue expanding our work here
- New contexts to consider
  - Central Asia
  - Mongolia
  - Turkey

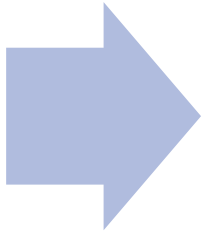
Photo source: A Brief Review of Elderly Welfare in Central Asia blog

Add <u>new</u> HRS studies: 2 possible paths

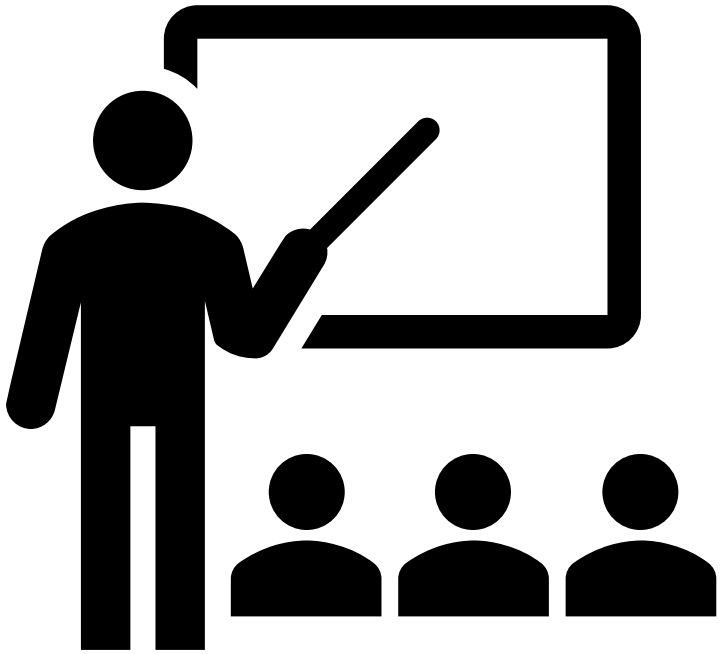


Add HCAP to existing HRS studies

Existing HRS studies



Apply for funds to add HCAP study



NIA BSR priorities: take-away messages

- **Integrate AD/ADRD** into new and existing HRS studies
- Prioritize **cross-national analyses** because we are interested in how different contexts produce different outcomes
- Add HRS studies that add **new contextual dimensions**
- **Harmonize**, harmonize, harmonize!!

HCAP data analysis NOFO is on the street!

RFA-AG-24-032 Enhancing Use of Harmonized Cognitive Assessment Protocol Data (R01 Clinical Trial Not Allowed)

Application Receipt Date: **October 2, 2023**

Research Contact: Minki Chatterji

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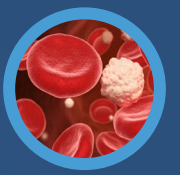
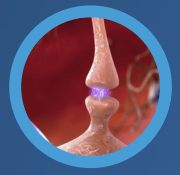
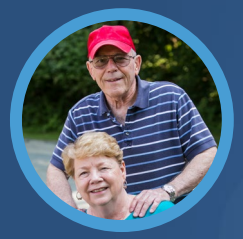

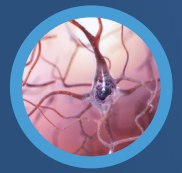

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The Leader in Aging Research

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Thank you

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