



# WRAP Update

## Wisconsin Registry for Alzheimer's Prevention: Information Session Edition

### WRAP Info Session

#### Video Link:

Available after May 30, 2018  
<https://go.wisc.edu/fu10k7>

#### Updates on WRAP research:

<https://go.wisc.edu/q37g3a>

#### Publications from research group:

<https://go.wisc.edu/hbf906>

#### WRAP Study

##### Principal Investigator:

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#### Haven't been at a study visit in a while?

Diane Wilkinson  
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#### Know someone with MCI or AD who wants to participate in research?

Alzheimer's Disease  
Research Center  
(608) 265-0407  
[www.adrc.wisc.edu](http://www.adrc.wisc.edu)

#### African Americans Fighting Alzheimer's in Midlife (AA-FAiM)

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#### Wisconsin Brain Donor Program

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[brainbank@medicine.wisc.edu](mailto:brainbank@medicine.wisc.edu)

#### Neighborhood Disadvantage and Alzheimer's Disease

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#### WRAP Emotion Project (EMO-WRAP)

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Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring 10 (2018) 130-142

Alzheimer's  
&  
Dementia

### Diagnostic Assessment & Prognosis

## The Wisconsin Registry for Alzheimer's Prevention: A review of findings and current directions

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The Wisconsin Registry for Alzheimer's Prevention is a longitudinal observational cohort study enriched with persons with a parental history (PH) of probable Alzheimer's disease (AD) dementia. Since late 2001, Wisconsin Registry for Alzheimer's Prevention has enrolled 1561 people at a mean baseline age of 54 years. Participants return for a second visit 4 years after baseline, and subsequent visits occur every 2 years. Eighty-one percent (1270) of participants remain active in the study at a current mean age of 64 and 9 years of follow-up. Serially assessed cognition, self-reported medical and lifestyle histories (e.g., diet, physical and cognitive activity, sleep, and mood), laboratory tests, genetics, and linked studies comprising molecular imaging, structural imaging, and cerebrospinal fluid data have yielded many important findings. In this cohort, PH of probable AD is associated with 46% apolipoprotein E (*APOE*) ε4 positivity, more than twice the rate of 22% among persons without PH. Subclinical or worse cognitive decline relative to internal normative data has been observed in 17.6% of the cohort. Twenty-eight percent exhibit amyloid and/or tau positivity. Biomarker elevations, but not *APOE* or PH status, are associated with cognitive decline. Salutary health and lifestyle factors are associated with better cognition and brain structure and lower AD pathophysiologic burden. Of paramount importance is establishing the amyloid and tau AD endophenotypes to which cognitive outcomes can be linked. Such data will provide new knowledge on the early temporal course of AD pathophysiology and inform the design of secondary prevention clinical trials.

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*Abstract of an article from the journal Alzheimer's and Dementia, published 2018, by Sterling Johnson, WRAP Principal Investigator, and his collaborators. The full article is available at: <https://go.wisc.edu/589c11>*

#### Longitudinal Course of Imaging Biomarkers in People at Risk for AD (PREDICT2)

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#### Fitness, Aging, and the Brain Study (FAB)

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#### Microbiome Study (MARS)

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#### Generations of WRAP (GROW)

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#### Stress, Resilience, and Inflammation in Dementia Study (STRIDE)

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# Why GIVE? Why NOW?

“Without philanthropic support for scientific discoveries, Alzheimer’s will be the **defining disease of our generation, and generations to come.** Because together **with YOU** at this moment, we have a chance to **change lives, find a CURE and build a future without Alzheimer’s.**”

– Dr. Mark Sager, *Founding and Emeritus Director,  
Wisconsin Alzheimer’s Institute*

## **Make a donation online:**

<https://goo.gl/ghd8nG>

**OR**, donations can be mailed, with checks made payable to:  
**UW Foundation – Wisconsin Alzheimer’s Institute\***

University of Wisconsin Foundation  
Re: Wisconsin Alzheimer’s Institute  
UW Bank Lock Box  
PO Box 78807  
Milwaukee, WI 53278-0807

If you have any questions or need additional information, please contact:  
Dori Suddarth – Director of Development  
Naveena Jaspal – Development Relations Specialist  
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\*Donors will receive a receipt for tax purposes from the University of Wisconsin foundation, the official fundraising and gift-receiving organization for the University of Wisconsin-Madison, including the Wisconsin Alzheimer’s Institute. The University of Wisconsin Foundation is a publicly supported charitable organization under sections 501(c)(3), 509(a)(1), and 170(b)(1)(A)(iv) of the IRS Code. A gift is fully tax deductible unless the donor receives goods and/or services in exchange for her or his contribution or as long as the value of any goods or services received qualify as ‘low cost articles’ under section 513(h)(2).