Biomedical & Care Research in Dementia: Interdependent & Complementary

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To provide and enhance care and support for all affected
To eliminate Alzheimer’s disease through the advancement of research
To reduce the risk of dementia through the promotion of brain health
Need for Person-Centered Care

- All pathologies impact a person’s behavior
- Impact the care & support needed
  - Beta Amyloid
  - Tau
  - Inflammation
  - Vascular Contributions
  - TDP-43
  - Other Pathways

Beta-Amyloid

Tau

Neurodegeneration

Improve Quality of Life

Slide adapted from Dr. Gil Raichovici, UCSF
Continuum of Alzheimer’s disease

Normal  Pre-clinical  MCI due to AD  Alz dementia

- What are the most appropriate, evidence-based strategies to support individuals with biological evidence but not yet cognitive changes?
- What are most appropriate, evidence-based strategies to best support individuals with MCI due to AD and their care partner?
- What are evidence-based strategies to best support people with Alzheimer’s dementia and caregivers?

NIA-AA Research Framework for Alzheimer’s Continuum

- Continuing advances in understanding of disease
- Dr. Clifford Jack, Chair; Dr. Maria Carrillo, ALZ; Dr. Eliezer Masliah, NIA
- Public comment through Dec 2017: ALZ.org/NIA-AA
Since 1993, alzheimer’s association

$43+ Million 260+ Projects

In Care, Social & Behavioral Research

Data from IADRP: http://www.iadrp.nih.gov
What does rigorous evidence based care research look like?

How do we scale research to size so outcomes are ready to implement?

How do we implement evidence based interventions in the community?
University of Wisconsin – Madison
Dementia Care Programs

- Partnership btw Wisconsin Alzheimer’s Institute (WAI) & Wisconsin Alzheimer’s Disease Research Center (ADRC)
- 32 statewide WAI Dementia Diagnostic Clinics with emphasis on rural and underserved communities
- ADRC supplement in partnership with WAI to develop dementia diagnostic clinic on Oneida reservation
- ADRC Project 3 studies a dementia-specific transitional care program focused on patients admitted to UW Hospital
- WAI/ADRC partnership on outreach to African American communities in Milwaukee and Madison, WI
- WAI/ADRC partnership on dementia education for health professionals throughout Wisconsin and beyond
- In partnership with the Alz Association, are developing programs for individuals w/new MCI Dx to increase participation in Clinical Core
Evidence Based Research Is Key

Phase I

Phase II

Phase III

For Your Consideration:

Evidence-based care and support interventions that help/
Expand understanding of how health systems (broadly) can provide comprehensive,
Create broader treatment protocols for biomedical research - incorporating patient-centered approaches to monitor individual
Develop tools that provide on-going care planning or participating
Advance research that understands the cost-benefit and emotional benefit of creating comprehensive networks for medical care and psychosocial care
In the near future …

Research Community

Improved Health Outcomes & Quality of Life

RECOMMENDED
Care & Support Interventions

Thank You!