Research Translation for All Persons: A Discussion of the ADRC Network Role

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FUNDING DISCLOSURES

NIH/National Institute on Aging

NIH/National Institute on Minority Health and Health Disparities

Alzheimer's Association



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BRAIN HEALTH IS NOT DISTRIBUTED EQUALLY





The National Academies of SCIENCES - ENGINEERING - MEDICINE

CONSENSUS STUDY REPORT

Improving Representation in Clinical Trials and Research

BUILDING RESEARCH
EQUITY FOR WOMEN AND
UNDERREPRESENTED
GROUPS



NATIONAL ACADEMIES REPORT: CONCLUSIONS

- 1. Improving representation in clinical research is urgent.
- 2. Improving representation in clinical research requires investment.
- 3. Improving representation requires transparency and accountability.
- 4. Improving representation in clinical research is the responsibility of everyone involved in the clinical research enterprise.
- 5. Creating a more equitable future entails a paradigm shift.



AUGUST 2022 – FDA POSITION

"The US is experiencing a decline in life expectancy As part of a wider effort to reverse this decline, relationships between FDA and the biomedical ecosystem should be reimagined to facilitate more effective translation of science into successful health interventions...the biomedical community should review its priorities so that it can deliver more new therapies... particularly for those suffering most: racial and ethnic minorities, people with less education and wealth, and those living in rural areas."

-- Robert M. Califf, FDA Commissioner (Califf, Science, 2022)



RESPONSIBILITY

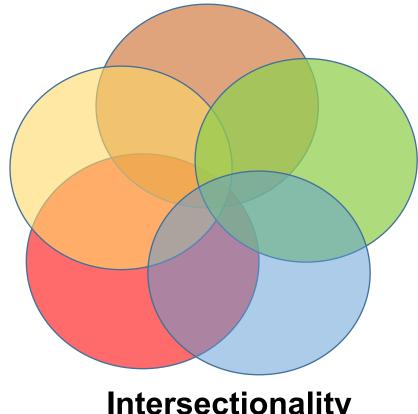
ADRC Role....

"The Alzheimer's Disease Research Centers (ADRC) network is funded by the National Institute on Aging (NIA) to find treatments and prevention strategies for Alzheimer's Disease (AD) and other related dementias, as well as to translate research findings into improved diagnosis and care"... for all persons.



NIH HEALTH DISPARITIES PRIORITY POPULATIONS

- Hispanics/Latinos
- American Indians/Alaskan Natives
- Blacks/African Americans
- Asian Americans
- Native Hawaiians and Other Pacific Islanders
- Socioeconomically Disadvantaged Populations
- Rural Populations
- Disability Populations
- Sexual and Gender Minorities
- Others







INTERVENTIONS







Clinical and Social Interventions



INTERVENTIONS FOR ALL—BARRIERS ARE MANY



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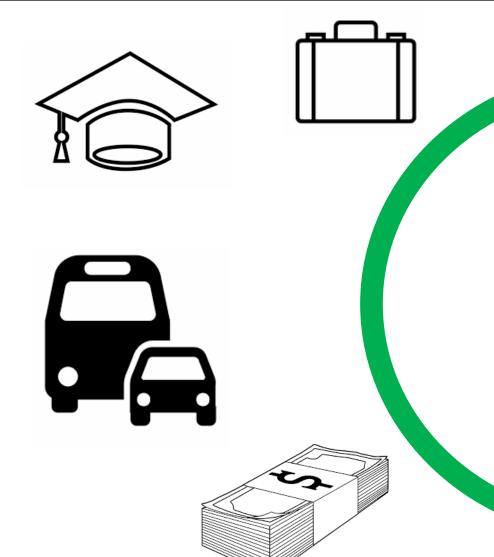


NATIONAL ACADEMIES REPORT CALL: SUBSTANTIAL INVESTMENT OF TIME, MONEY AND EFFORT

"Investments are needed in the systems and technologies that reduce burdens to participation by underrepresented and excluded populations, such as by adequately compensating participants financially for their time when participating in research and by investing resources in making participation more physically accessible, and by providing research materials that are culturally informed and multilingual."



INTERVENTIONS FOR ALL REQUIRE SUPPORTS



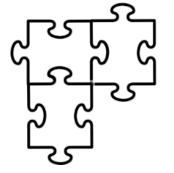






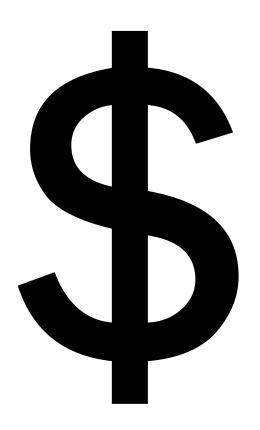








ONE MAJOR BARRIER

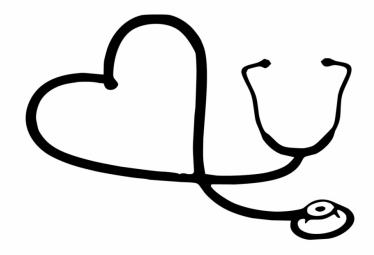




INTERVENTIONS



Treatments



Clinical and Social Interventions



Policy



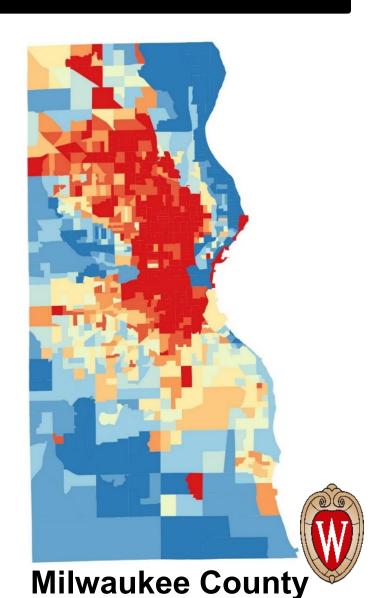






AREA DEPRIVATION INDEX (ADI)* - AN EXPOSOME METRIC

- ADI construction
 - 17 measures of social determinants of health across small, population sensitive areas
 - Ranked score
- Current ADI measures for full US available through the Neighborhood Atlas®*
- Similar metrics available in most countries
- ADI in UDS 4.0; launching ADI in ACTC, ADNI and many others



ADI IS NOW LEVERAGED IN US HEALTH POLICY

Ethical Allocation of COVID Therapies

Example: Pennsylvania

US Centers for Medicare and Medicaid Services (CMS)

 2023 ACO Realizing Equity, Access, and Community Health (REACH)
 Model uses ADI to adjust payments



Ethical Allocation Framework for Emerging Treatments of COVID-19

Introduction

The foundational goal of this document is to develop a broad, fair, and equitable framework for how to allocate scarce, emerging COVID-19 treatments. This document addresses remdesivir (RDV) in particular, but the ethical goals of this allocation framework should inform allocation of other scarce treatments as they become available, including monoclonal antibodies, convalescent plasma, and other emerging treatments. Information in this document (such as the clinical criteria for eligibility and dosage) that apply specifically to RDV are subject to change as more data emerges on its use and effectiveness.

https://www.health.pa.gov/topics/disease/coronavirus/Pages/Guidance/Ethical-Allocation-Framework.aspx

CENTER FOR MEDICARE AND MEDICAID INNOVATION (CMMI)



Health Equity Benchmark Adjustment

ACO REACH includes a benchmark adjustment that increases benchmarks for ACOs serving higher proportions of underserved beneficiaries

CMS will stratify all beneficiaries aligned to ACO REACH using a composite measure of underservice that incorporates a combination of 1:

Area Deprivation Index

Area-level measure of local socioeconomic factors correlated with medical disparities and underservice

Percentile Score from 1-100

Dual Medicaid Status

Beneficiary-level measure of economic challenges affecting individuals' ability to access high quality care

25 Point Adjustment for Full or Partial Dual Eligibility

91 st – 100 th Percentile (Top Decile)	+\$30 PBPM Adjustment
51 st – 90 th Percentile (Middle 4 Deciles)	No Adjustment
1 st – 50 th Percentile (Bottom 5 Deciles)	-\$6 PBPM Adjustment

1. CMS may explore other variables to include in this assessment and will notify applicants prior to the start of PY2023 if any other variables are included.



CMS EQUITY APPROACH: PROVIDES FUNDING TO REMOVE BARRIERS TO TREATMENT





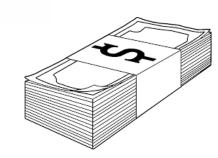


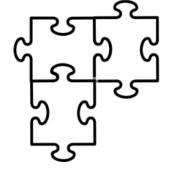






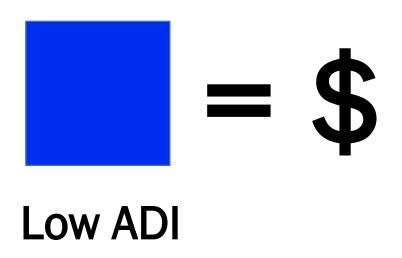


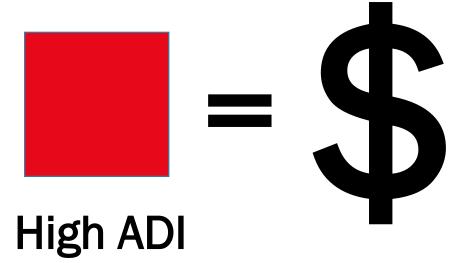






CMS ACO-REACH RESOURCE TARGETING: SIMPLIFIED







QUESTIONS FOR DISCUSSION

- Should ADRC Network launch efforts towards creating an equityfocused policy standard for interventional trials in alignment with the National Academies report?
- Should financing of interventional research trials be grounded to principles of equity in alignment with CMS payment policy?
- What is the role of the ADRC network in setting equity-aligned standards for industry and other intervention studies?



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