Maya Angelou Center for Health Equity

Connecting with Underserved Communities to Extend Our Health Impact

Purpose and Mission

Dr. Angelou

The Maya Angelou Center for Health Equity (MACHE) promotes health equity through **outreach** to underserved populations, health **education** and training, and community-based participatory **research**.

Leadership

Goldie S. Byrd, PhD
Director

Allison Caban-Holt, PhD
Associate Director

Membership

- 14 staff members
- 105 Affiliate Faculty and Staff

Areas of Expertise

- Alzheimer's Disease Genetics
- Community-based participatory research
- Integrating Special Populations
- Recruitment Science
- COVID-19

"Metropolitan Village is the largest private investment in the history of East Winston."
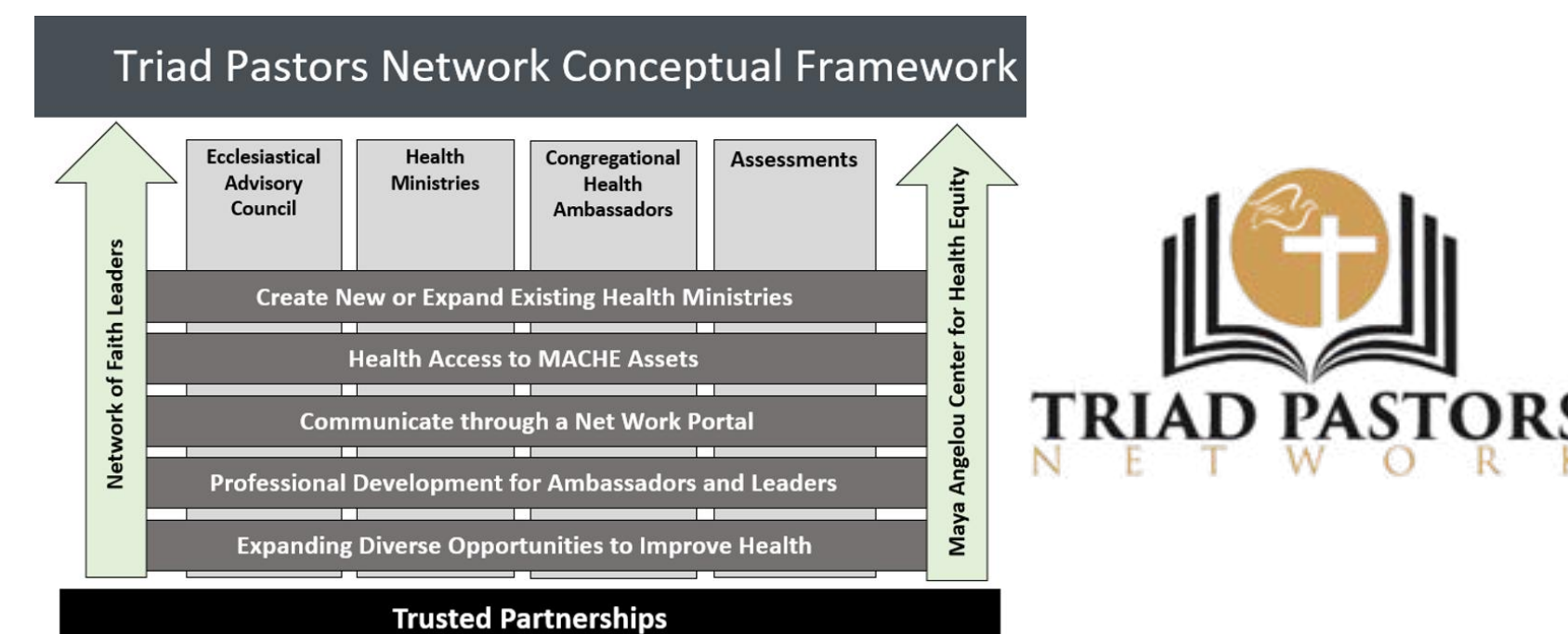Winston-Salem Journal
March 2021

BY THE NUMBERS (Phase 1& 2):

+ 0	Displaced Residents
+ 4	Downtown City Blocks
+ 400	People Working
+ 10	Companies (Anchor)
+ 1,100	People Added to Area Workspace
+ 12K SF	Workspace
+ 10K SF	WF Training Spaces
+ 324	Affordable Housing Units
+ 14K SF	Retail & Office Space

Community Outreach

Goal: Build trust and trustworthiness among underserved populations

- **Triad Pastors Network**

Triad Pastors Network Conceptual Framework

- **Community Events**

Youth education at Winston-Salem Street School

- **Response to COVID-19: Reached >300k**

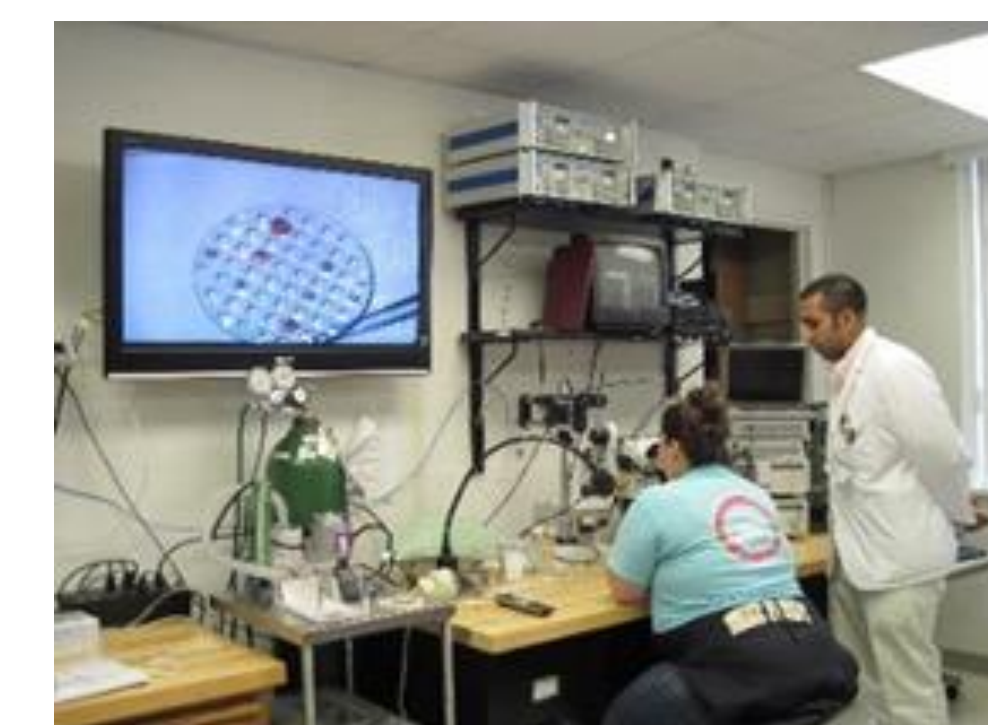700,000lbs of food distributed at 15 Statewide 'Farm-Px' Food Distribution Tour Sites

Education

Goal: Train the next generation of health equity professionals

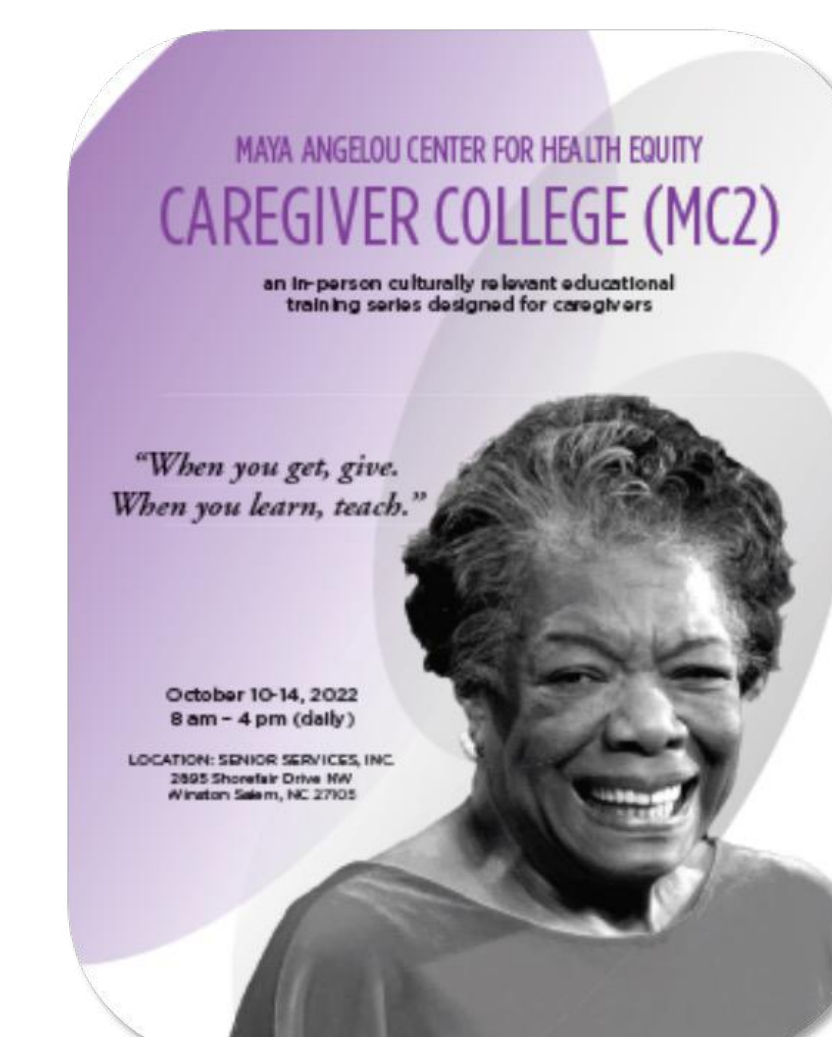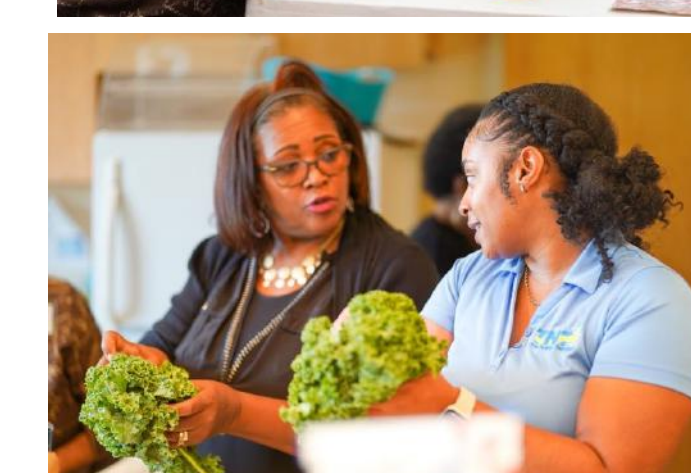MACHE's educational programs address several groups of learners, including:

- **Medical Students** [*Health Equity Certificate*]

- **Graduate and Undergraduate Students** [*MACHE Student Internship Program*]

- **STEM Educators** [*Medical Careers and Technology Pipeline program (MedCaT)*]

- **American Indian High School Students** [*American Indian BioMedical Science Academy, (AIMS)*]
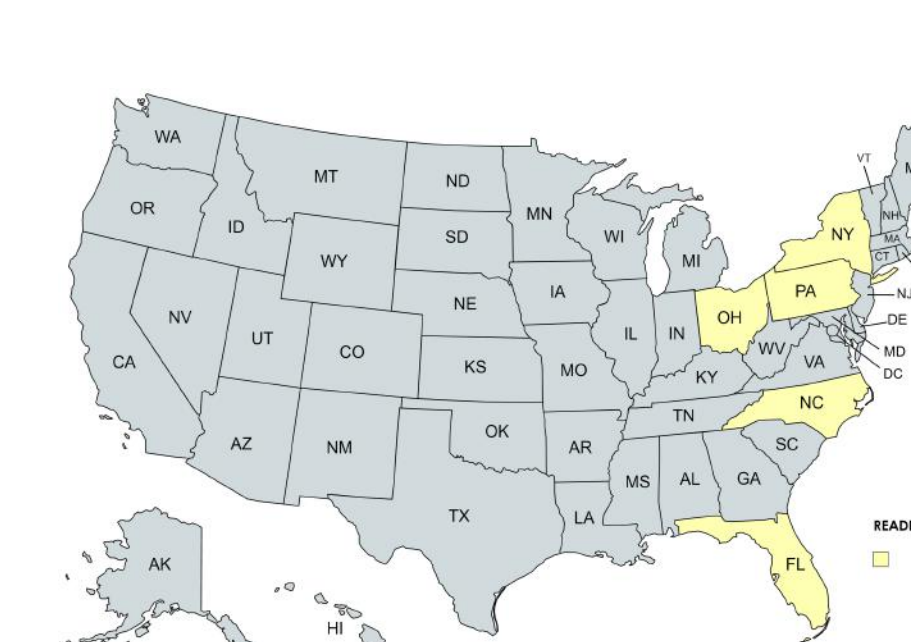
- **Community Health Ambassadors** [*Triad Pastors Network Congregational Health Ambassadors Program*]

- **Community Caregivers** [*MACHE Caregiver College (MC2)*]
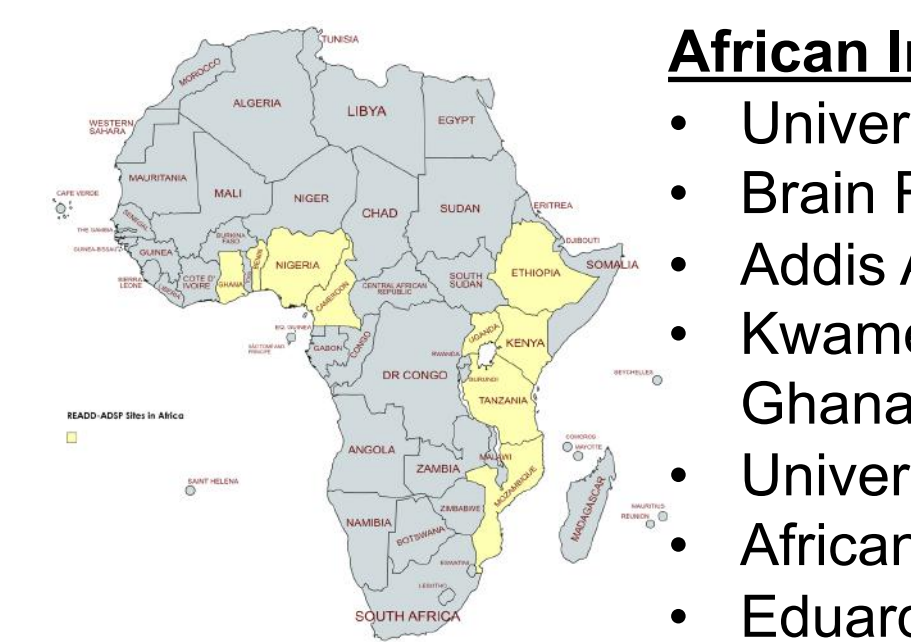

Research Project Spotlight

Recruitment and Retention for Alzheimer's Disease Diversity Genetic Cohorts in the ADSP (READD-ADSP). READD-ADSP is a **$46 million** NIH-funded grant (U-19) to create the *largest genetic resource for studying the genetic architecture of Alzheimer's disease* in individuals of **African and Hispanic/Latinx ancestry**.

US Institutions
- University of Miami
- Wake Forest School of Medicine
- Columbia University
- Case Western Reserve University
- University of Pennsylvania

Recruitment Goal (n=13,000)	
African	5,000
African American	4,000
Hispanic/Latinx	4,000

African Institutions
- University of Parakou: Parakou, Benin
- Brain Research Institute: Oboboga, Cameroon
- Addis Ababa University, Addis Ababa, Ethiopia
- Kwame Nkrumah University of Science and Technology, Kumasi, Ghana
- University of Ghana College of Health Sciences: Korie-Bu, Accra
- African Mental Health Research and Training: Nairobi, Kenya
- Eduardo Mondiane University: Maputo, Mozambique
- University of Ibadan: Ibadan, Nigeria
- Kilimanjaro Christian Medical University College: Kilimanjaro, United Republic of Tanzania
- Makerere University: Kampaia, Uganda

Aims

1) Develop a large genomics resource for the study of AD in individuals with African and Hispanic/Latinx ancestry
2) Adjudication and harmonization of clinical neurocognitive data
3) Process, store, and assay biomaterials for the genomics resource including DNA isolation, plasma, and RNA for future gene expression studies
4) Management of all phenotype, genomic, and biomarker data
5) Perform genomic analysis

Other Research Projects	Funding Agency
R01 The Origins of Alzheimer's Disease in African American	National Institutes of Health
Addressing Health Equity through Training and Literacy	Bank of America
Men's Health Symposium	American Heart Association
Memory Connections	Federal Administration on Community Living
NC Registry for Brain Health Phase 3	NC General Assembly
Planning a BOLD State-Wide Alzheimer Disease Caregiver College Model to Address Health Equity	NC Department of Health and Human Services/ Centers for Disease Control and Prevention
R01 African American United Memory and Aging Project	National Institutes of Health