



# THE EFFECT OF PROVIDING GENETIC RISK INFORMATION ON LIFESTYLE BEHAVIORS IN AFRICAN AMERICANS (FORMERLY LINKING GAINS)

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## Background

**Purpose:** The goal of this proposal is to better understand how informing African Americans of their genetic risk affects their cardiovascular disease (CVD) risk reduction behavior.

- CVD presents a prevailing health disparity for African Americans, and they have a higher incidence. Disadvantaged groups who have higher chronic disease prevalence lack access to the benefit of receiving genetic risk information.
- African Americans are interested in genetic testing and clinical trials, yet they require a more culturally centered community engagement strategy.

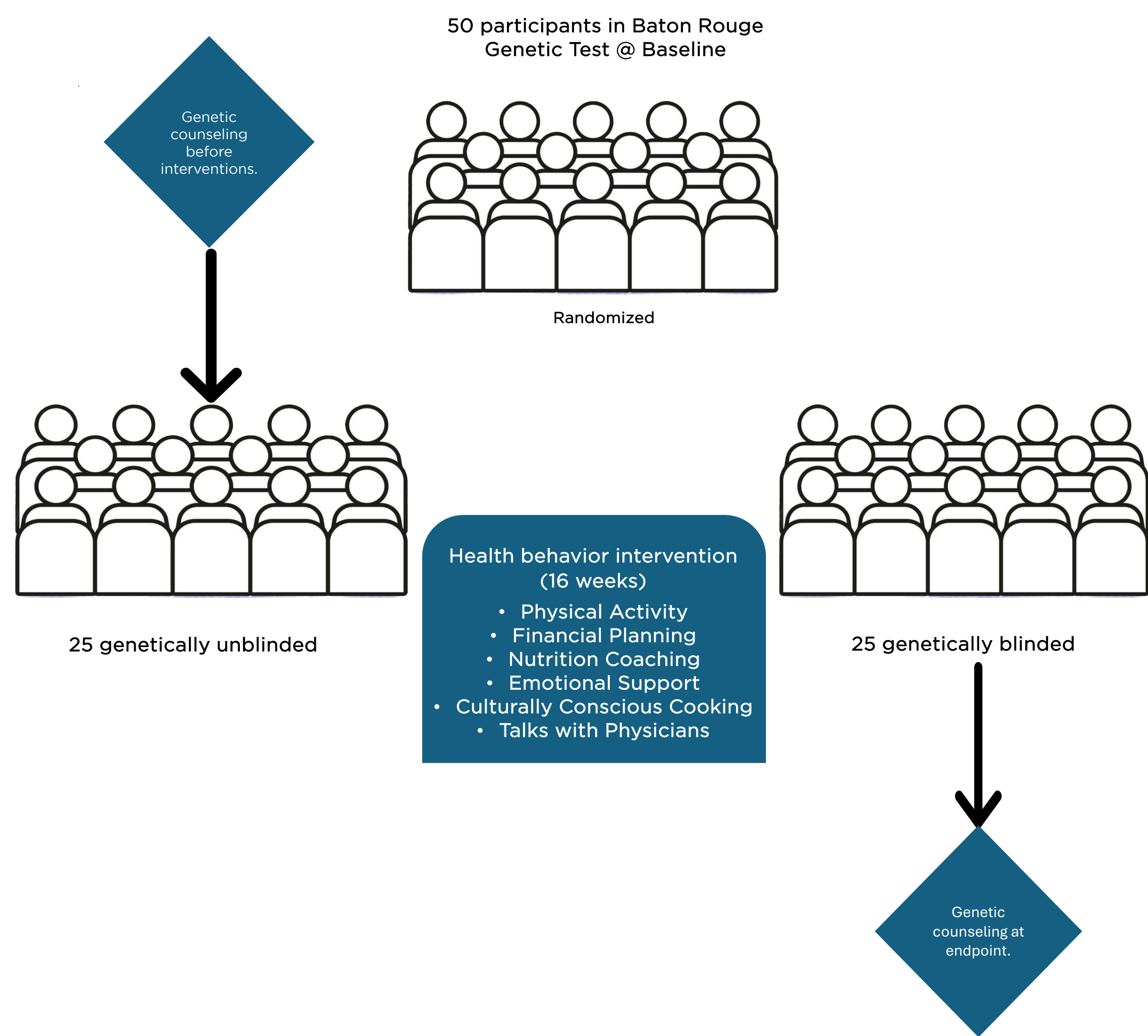
## Project Aims

**Study Type:** 16-week mixed method randomized behavioral intervention.

**Aim 1:** Determine the effect of genetic risk knowledge on CVD risk reduction behaviors.

**Aim 2:** Determine which factors moderate change in participant CVD risk behaviors

## Study Design



## Theoretical Framework

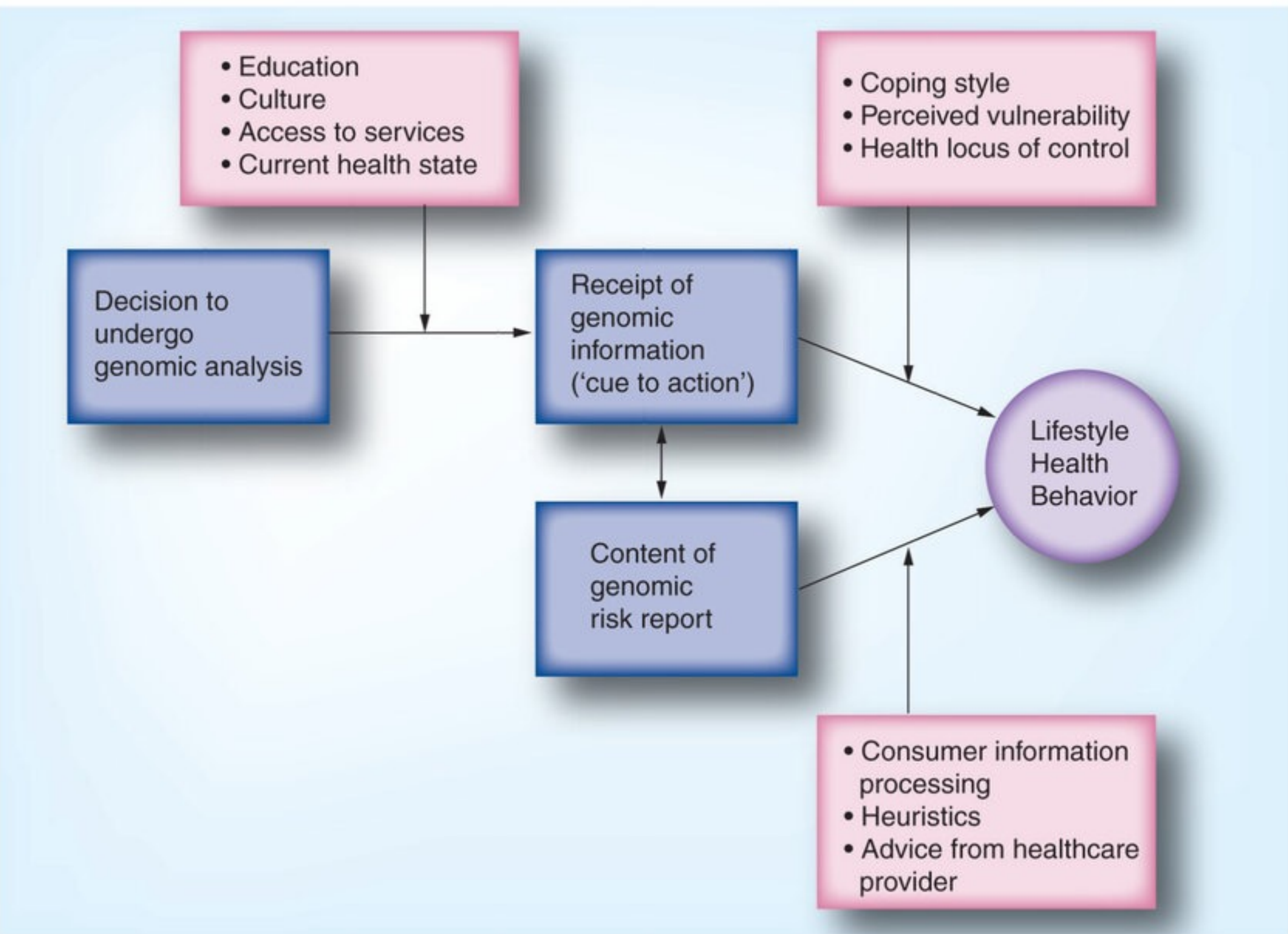
**Culturally Informed Community Engagement:**

- Community Cultural Wealth
- Community Engagement
- Health Equity

"Our culturally informed community engagement model expands this definition of health equity to also include the removal of obstacles to health and their consequences, including powerlessness."

## Outcomes

Framework of constructs that may predict health behavior change in the genomic setting.



## Key Messages

Scan QR Code to see and add key takeaways.



## Community Impact

**Public Health & Societal Impact:** Community & Public Health Potential Benefits

- **Health Education Resources:** Increase community engagement, education and access to resources within reach.
- **Public health practices increased** in diverse populations; making results generalizable to population at large.
- **Community Health Services:** Creating network with local community partners and health providers.

### Translational Science Benefits



**Key Partners:** Interventional Resource coaches are from the community and will be available to the community after the clinical trial. LACATS, Southern University, and EBR Parish Government.

## References



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