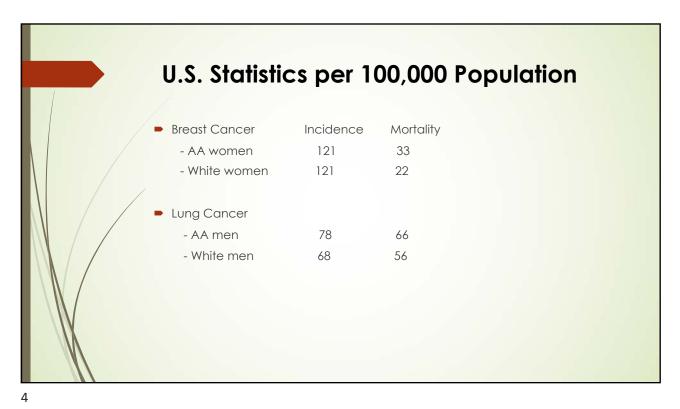
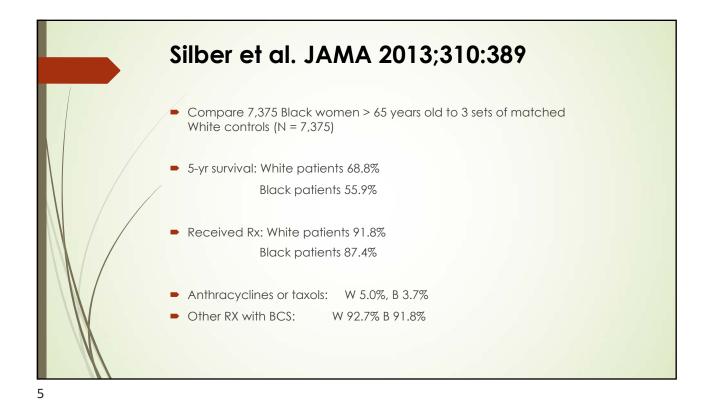
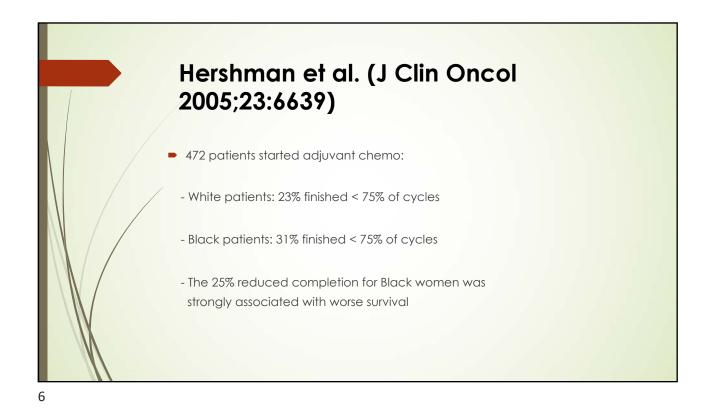


Describe Black-White Disparities in completion of treatment for stages 1 and 2 breast and lung cancer.

Objective 1

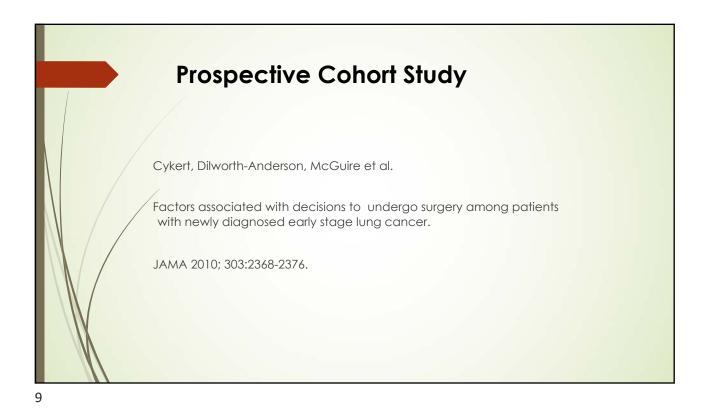


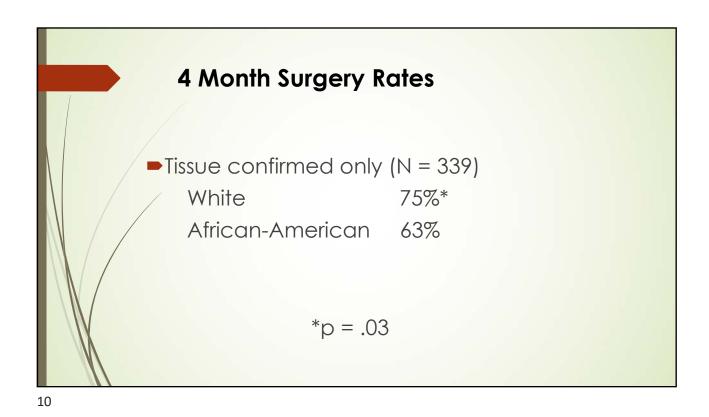


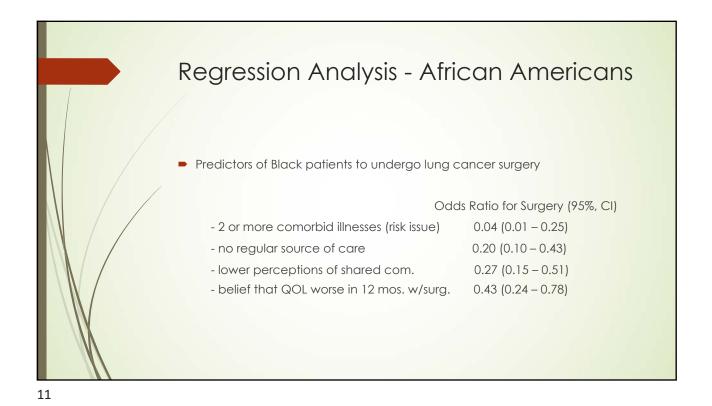


E	ach et Al. Racial Differences In The Treatment Of arly Stage Lung Cancer. (N Engl J Med 999;341:1198).			
	Race	Lung Cancer Surgery	5-year survival	
	Caucasian	77%*	34%*	
	African- American	64%	26%	
	*p < 0.001 44 excess deaths per 1000 lung cancer cases due to decisions against surgery!			

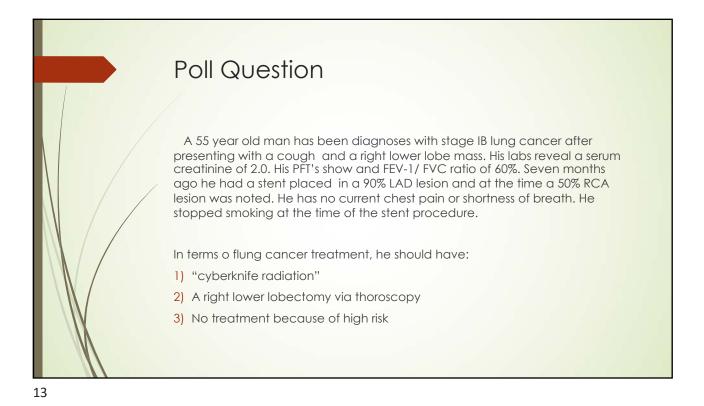
Survival of Medicare Beneficiaries 65 Years of Age or Older Who Were Given a Diagnosis of Stage I or II Non-Small-Cell Lung Cancer between 1985 and 1993, According to Treatment and Race 1.0 White patients, with surgery Black patients, with surgery White patients, without surgery 0.9 Proportion Surviving 0.8-Black patients, without surgery 0.7 0.6-0.5-0.4-0.3 0.2 0.1-0.0 5 6 10 Years after Diagnosis No. of Patients at Risk White, surgery 7763 4495 2255 1069 407 12 Black, surgery 550 301 145 69 30 0 458 30 6 0 White, no surgery 2361 110 Black, no surgery 310 60 14 2 0







NC Statistics (2011-2015) Deaths per 100,000 population Non Hispanic-White Non-Hispanic Black **Lung Cancer** (%) (%) Αll 50.3 48.2 62.3* Men Only 57.9 83.2† **Breast Cancer** 19.6 Women Only 28.9 * All minorities † ACS



-Describe how community should be involved in the solution

-Describe the difference between systembased and individual based interventions and how systematic intervention is most likely to attenuate structural racism.

Objective 2 -3

Greensboro Health Disparities Collaborative



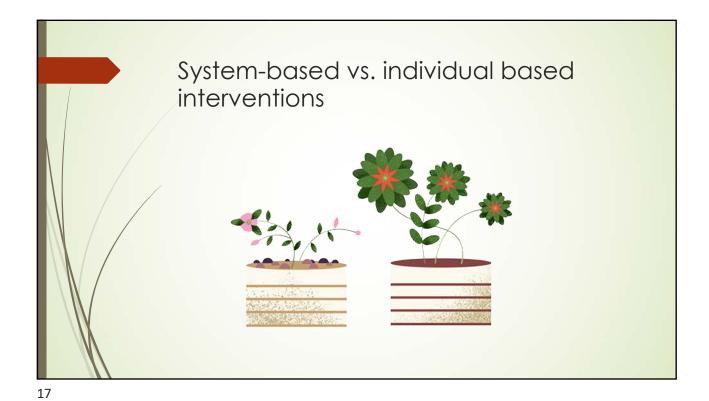


Our mission is to establish structures and processes that respond to, empower, and facilitate communities in defining and resolving issues related to disparities in health.

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GHDC's Anti-Racism Framework

- Social Economic Status alone does not explain racial inequity.
- Racism = Race Prejudice + Social and Institutional <u>Power</u>
- Institutional racism is a process of oppression, unconscious or not, <u>functioning as a system</u> of structuring opportunity and assigning value based on race, that unfairly disadvantages some, unfairly advantages others, and undermines the potential of the whole society.
- If Racism was created, then it can be undone.



CBPR approach
(video of Geni explaining CBPR)

Recognizes the unique strengths each partner brings

A collaborative and co-learning process

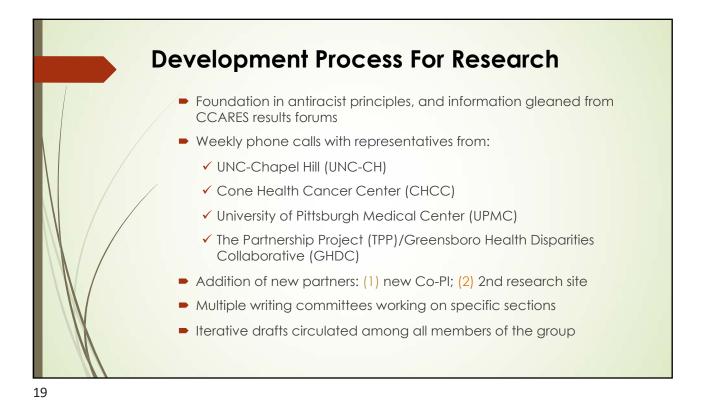
Equitably involves all partners in the research process

Grant-writing

Participant recruitment

Data collection

Data interpretation & dissemination



Poll Question

Advantages of Community-Based Participatory Research include:

1. Rapid turnaround of projects

2. Top down solutions consistent with "gatekeeping"

3. Community input in proposal and budget planning

4. Academic planning of meeting agendas

Recognize how clinical informatics combined with human responsibility can provide the transparency and accountability to overcome systematic bias.

Objective 4

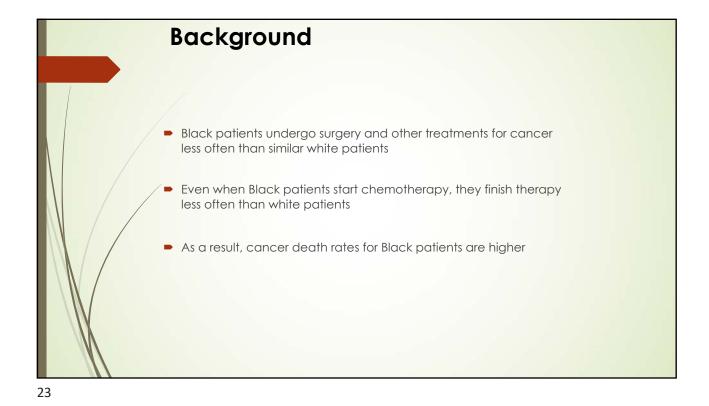
21

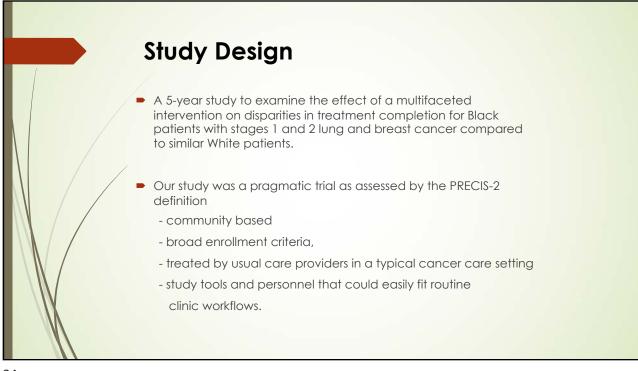
ACCURE: A System-Based Intervention To Address Disparities in Treatment of Early Stage Lung and Breast Cancer

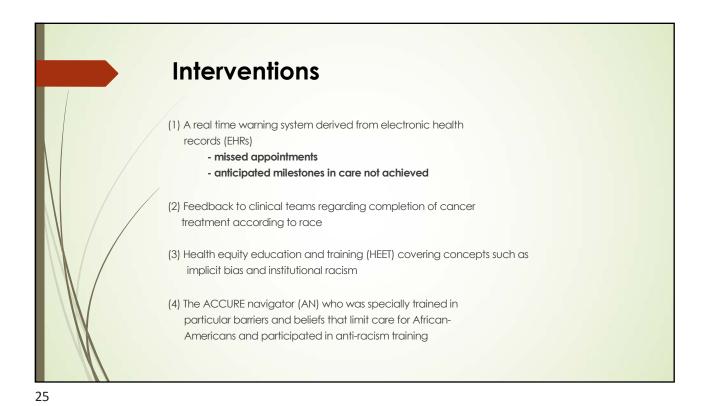
> Funded by National Cancer Institute - 5 R01 CA150980-04

Samuel Cykert, M.D., Eugenia Eng, Dr.P.H., Matthew A. Manning, M.D., Linda B. Robertson, Ph.D., Dwight E. Heron, M.D., Nora S. Jones, M.A., Jennifer C. Schaal, M.D., Alexandra Lightfoot, Ed.D., Haibo Zhou, Ph.D., Christina Yongue, M.P.H., Ziya Gizlice, Ph.D.

https://doi.org/10.1016/j.jnma.2019.03.001





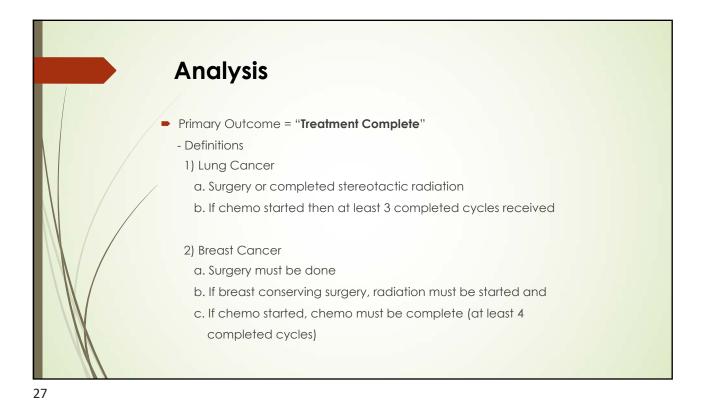


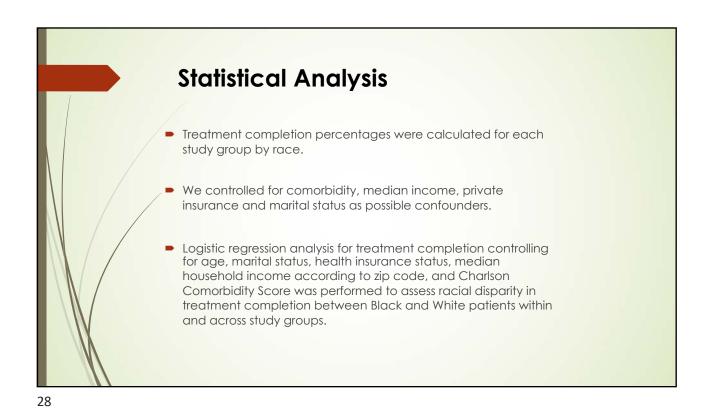
Analysis

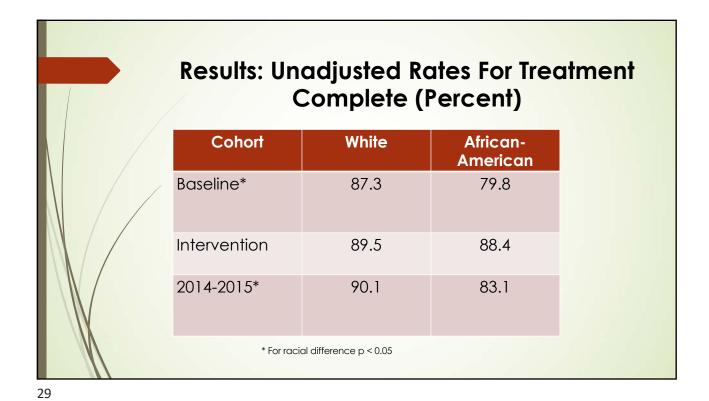
Retrospective control group 2007-2012

Concurrent control group (for secular trends) 2014-2015

Within intervention group navigator comparison



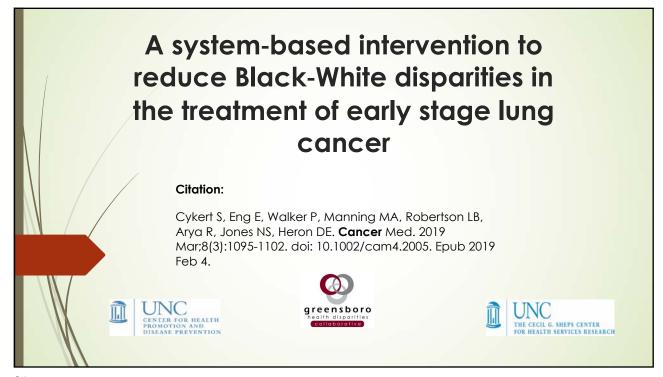


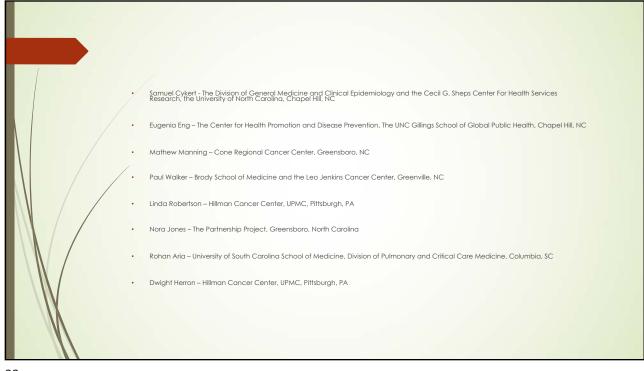


Results from Multivariate Logistic Regression Analyses of Treatment Completions. **Multivariate Analysis Results** p-Value Variable Beta Odds Lower Upper Ratio 95% C.I. Race and Study Group* 0.7508 Black-Intervention -0.0976 0.907 0.497 1.656 <.0001 Black-Retrospective -0.8150 0.443 0.351 0.558 Black-Concurrent -0.5358 0.585 0.420 0.815 0.0015 -0.1009 0.904 0.555 1.472 0.6850 White-Intervention Black-Intervention† 0.3327 1.395 0.774 2.514 0.2683

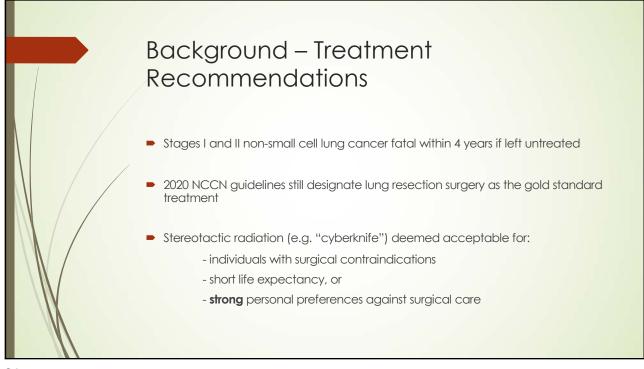
*White concurrent cohort is the referent group.

†White retrospective cohort is the referent group.

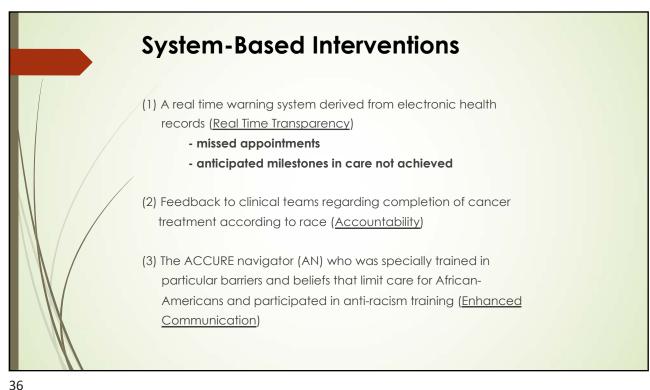


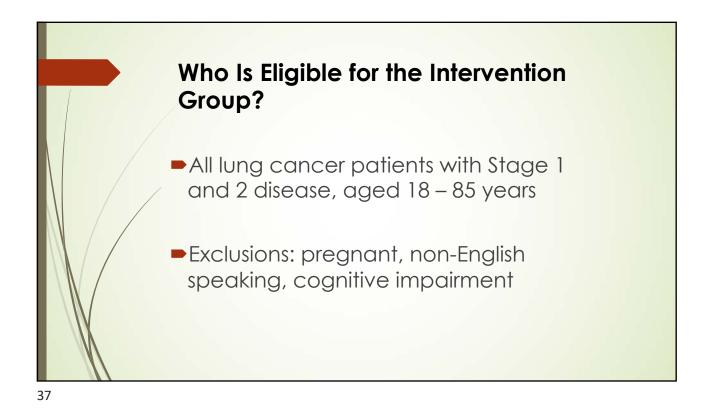


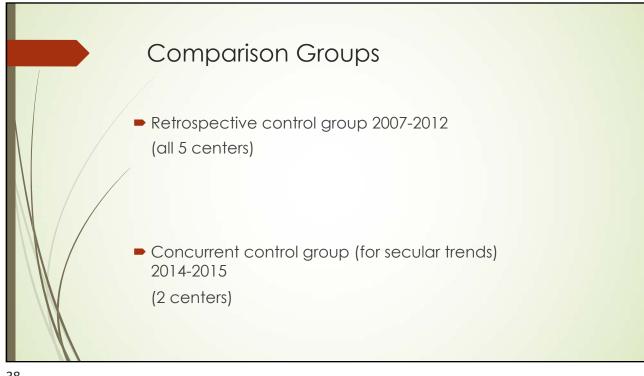






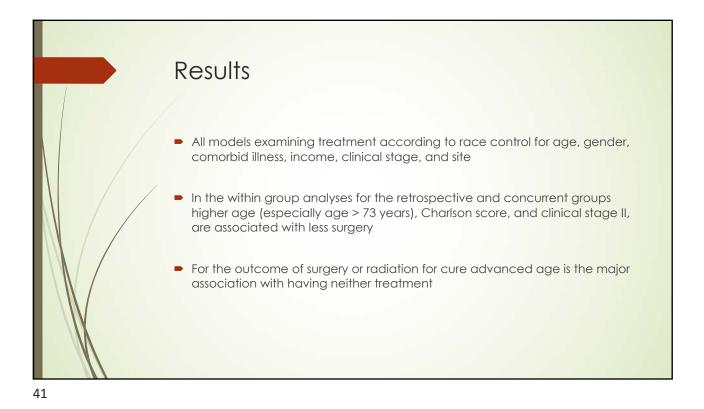


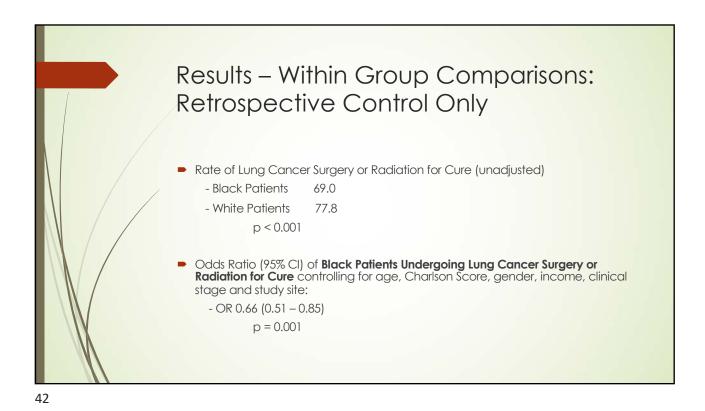


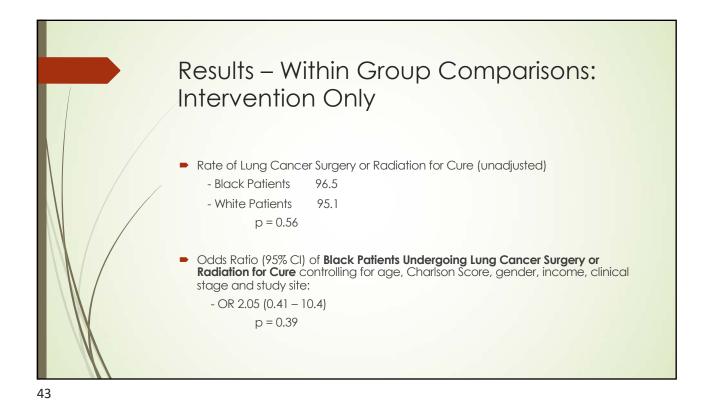


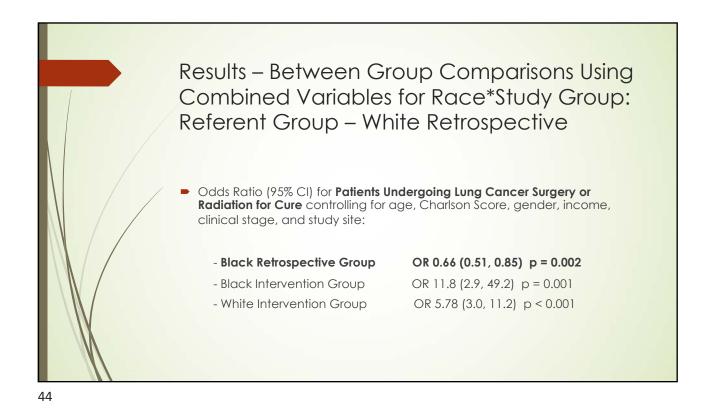


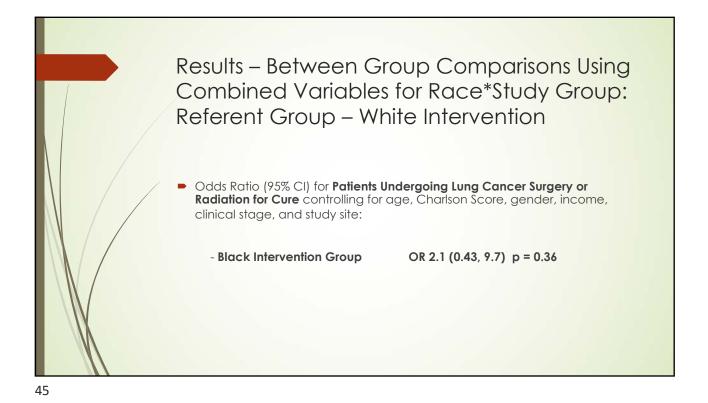


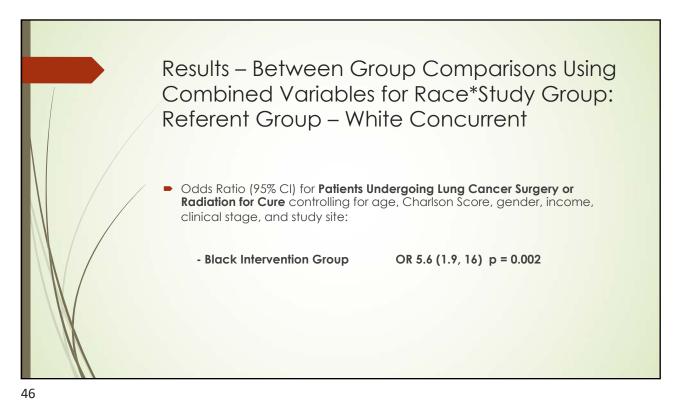


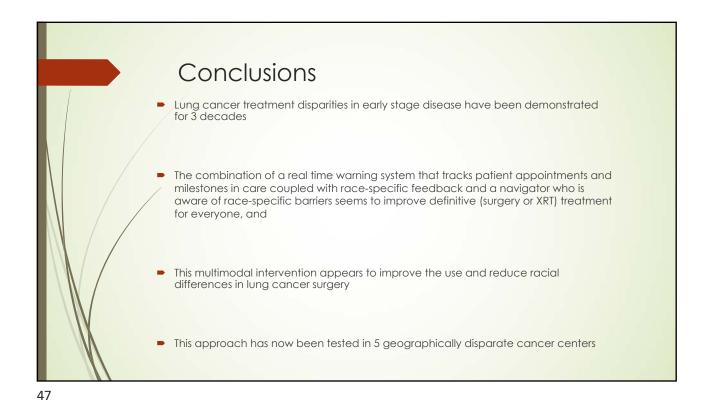












Poll Question

A 65 year old Black man presents to the ED with a productive cough and has a 3 cm left upper lobe mass that is irregular and non-calcified on CXR then verified on Chest CT scan. He has a 40 pack year smoking history. He is treated for bronchitis and is scheduled for a visit with a local pulmonologist. He doesn't come to the visit. (Thankfully he's in a registry that informs you of this situation). On a follow-up phone call, He says his cough is gone and he believes that prayer has cured him. On a second follow-up call, he states the same. Next steps should include:

1) The patient has his beliefs. Leave him alone.

2) Ask if you can meet with him with his family and / or a significant other to discuss the situation.

3) Contact his PCP of other healthcare worker that he trusts to further the discussion.

Identify methods for managing these interventions and sustaining the community accountability

Objective 5

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Navigating Pre-Award for ACCURE



- 1. Community: Host a Planning Retreat
- 2. Academic: Explain Longterm the vision
- **3. Medical:** Recognize opportunities

Post-Award for ACCURE (Immediate Actions)



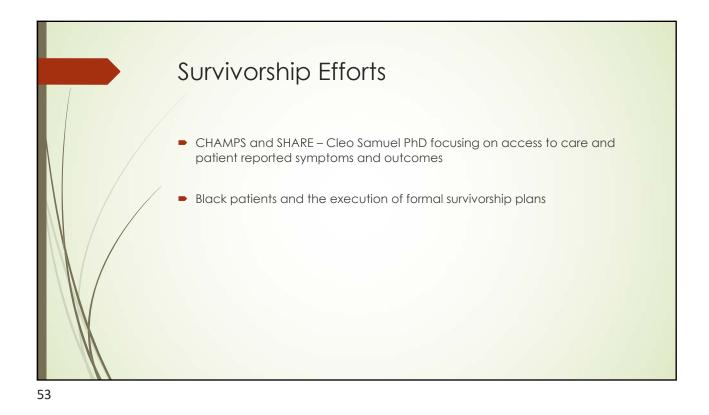
- Submitted an IRB Modification
- Formed a press release development committee with the GHDC members.
- All new staff attended a Racial Equity Training, IRB-Training on Ethics of Conducting Human Research
- Conducted baseline interviews with breast and lung cancer survivors.

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Post-Award for ACCURE (Project Management)



- Established our money management plan, which involved respect for the budget capacity of the community partner.
- Our Steering Committee met every week to go over work plans
- Our GHDC continued to meet monthly for community accountability
- Building capacity



Conclusion



Next Steps Apply Spread Expand Advocate Apply to an entire Spread to cancers Expand to more Advocate for cancer center that require more chronic treatments institutional changes (e.g. anti-estrogen therapy in breast treatment modalities population to eliminate impacts and steps of racism in other cancer, chronic ways (e.g., organize racial equity & cultural humility trainings) disease management other than cancer)

