

Understanding Health Equity in Clinical Trials

FDA Center for Devices and Radiological Health (CDRH)
Patient Engagement Advisory Committee Meeting- September 6, 2023

Tesheia Johnson, MBA, MHS

Director for Clinical Research, Yale School of Medicine Deputy Director and Chief Operating Officer Yale Center for Clinical Investigation

Disclosures

• I have no relevant financial relationships to disclose.

Yale University

- Yale Medicine, including ~300 specialty practices
- Yale Health Plan

Community partnerships

- AME Zion Churches of Connecticut
- More than 30 community-based organizations

Yale New Haven Health System (2530 beds)

- Yale New Haven Hospital (1561 beds)
- Greenwich Hospital
- Bridgeport Hospital
- New England Medical Group (NEMG), including 271 care sites
- Lawrence + Memorial

Federally Qualified Health Centers

- Fair Haven Community Health Center
- Cornell Scott Health Center
- Close clinical and research collaborations with VA Hospital at West Haven







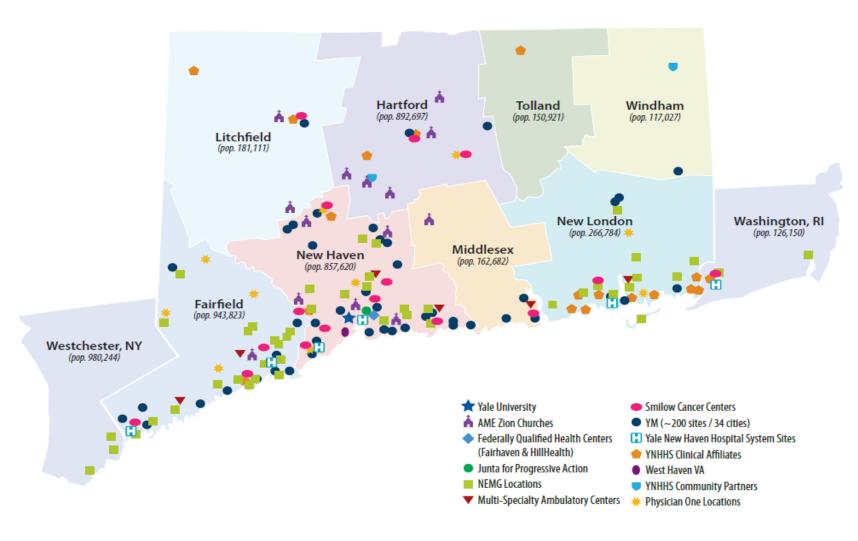








Our Clinical Research Hub



Patient Population Race & Ethnicity at Yale

2021 US Census Demographics

- ▶ 60.1% White
- ▶ 18.5% Hispanic/Latinx
- ▶ 13.4% Black/African American
- ▶ 5.9% Asian
- ▶ 1.3% Native American/Alaskan
- ▶ 0.2% Pacific Islanders
- ▶ 2.8% Two or More, Other

2021 Yale Patient Demographics

- ▶ 65.7% White
- ▶ 15.3% Hispanic/Latinx
- ▶ 13.8% Black/African American
- ▶ 3.0% Asian
- ▶ 0.3% Native American/Alaskan
- ▶ 0.3% Pacific Islander
- ▶ 10.6% Other
- ▶ 6.3% Unknown

Yale COVID Inpt Demographics

- ▶ 43.9% White
- ▶ 26.1% Hispanic/Latinx
- ▶ 24.8% Black/African American
- ▶ 1.8% Asian
- 0.04% NativeAmerican/Alaskan
- ▶ 0.06% Pacific Islanders
- ▶ 3.3% Other

Integrated Approaches to Recruitment: "Help us discover" clinical research awareness campaign

Database of volunteers

Cultural Ambassadors

Advertising and media

New clinical research recruitment call center

• Integrate community practices

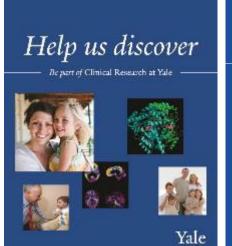
Community based health fairs and clinics

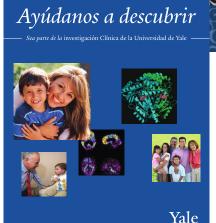
• Epic telehealth engagement

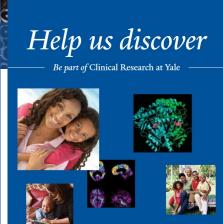
Social media outreach

• Radio shows focused on health

• TV shows focused on health





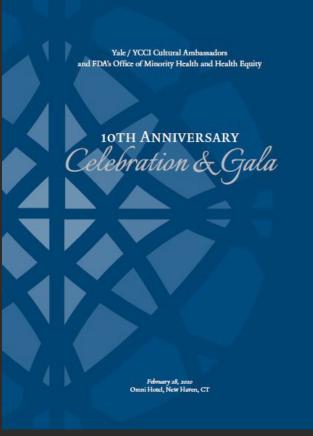




Celebrating more than 13 Years of Collaboration







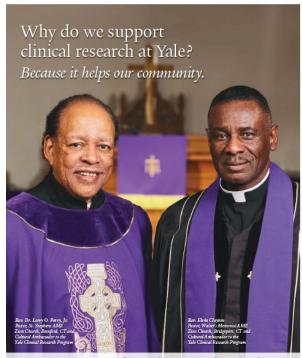








Key features of the Ambassador program



Be part of Clinical Research at Yale.

Each of us benefits every day from clinical research. Your blood pressure medicine, your child's asthma inhaler, the latest Alzheimer's drug that your mom is taking — all of these are available to you because of clinical studies that show they are safe and effective. The African American community has higher rates of many diseases like asthma, diabetes, and certain cancers—we're underrepresented in research programs. As cultural ambassactors for the Yale School of Medicine, we are committed to supporting medical research. We urge you to do your part by volunteering for a chincial trial. Hundreds of opportunities are available. Help make a difference.

Visit us at www.yalestudies.org, where you can review available trials and build your personal profile. Or call 1-877-978-8343 for more information.

HELP US DISCOVER





Be part of Clinical Research at Yale.

Each of us benefits overy day from clinical research. Your blood pressure medicine, your child's asthma inhaler, the latest Alzheimer's drug that your mon is taking — all of these are available to you because of clinical studies that show they are safe and effective. The Latino community has higher rates of many diseases like diabetes, heart disease, and asthma — yet we're underrupersented in research programs. As cultural ambassaclors for the Yide School of Medicine we are committed to supporting medical research. We urge you to do your part by volunteering for a clinical trial. Hundreds of opportunities are available. Help make a difference.



Visit us at www.yalestudies.org, where you can review available trials and build your personal profile. Or call 1-877-978-8343 for more information.

HELP US DISCOVER



The Program:

- Selection by the community
- Commitment is not to a specific trial, but to the organization
- Compensation for training and engagement
- Minimum training
- Actual training
 - Over 200 hours
 - Community Health Care Worker certification
 - Continual education (repeat training 2-4 years)
- How to engage faculty

Benefits:

- Community Education and Awareness of Trials
- Working with the community to make clinical research accessible to the communities, including activities around decentralized trials
 - Church and community locations
- Address patient burden and how to help uptake these issues/needs



Example: 2020 focus on heart disease and stroke





A device example: Special campaign partnered with cardiologist to educate community on a one-time implant to protection against stroke risk

https://medicine.yale.edu/ycci/researchspectrum/cer/research/ambas sadors/tfrs/



Allowing Communities To Not Just Survive, But To Thrive



Rev. Elvin Clayton, Pastor, Walters Memorial AME Zion Church and Yale Cultural Ambassador for Clinical Research https://www.youtube.com/watch?v=-OkeASrW TQ





If you want to hear the voice of the voiceless...

Racial Equality in Clinical Trials - Yale Center for Clinical Investigation

Cultural Ambassador, Yale leaders, FDA speak about diversity in clinical trials

https://www.youtube.com/watch?v=DsXmxNnKMLg



Science and Faith Come Together...

We are urging everyone to get the vaccine

Rev. Dr. Leroy Perry, Pastor, St. Stephens AME Zion Church and Yale Cultural Ambassador for Clinical Research https://www.voutube.com/watch?v=I2MPE-kYW8I







My brother you might not be around...we don't have the luxury of waiting to see

Response to why don't we wait and see how others make out with the vaccine.

Rev. Dr. Leroy Perry, Pastor, St. Stephens AME Zion Church and Yale Cultural Ambassador for Clinical Research

https://www.youtube.com/watch?v=mh2bK3iFAOs



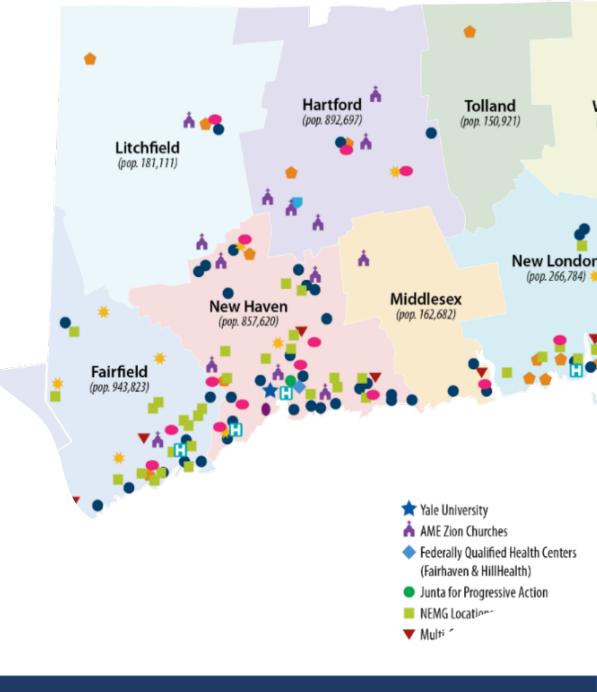
and Yale Cultural Ambassador for Clinical Research

https://www.youtube.com/watch?v=aMnj8LdrTUQ



More than a decade of Clinical Research Growth and Successes

- 8% of new patients come to Yale initially for research, 75% adoption of patient portal.
- 950% increase in industry research
- FY22 ~30K individuals participated in clinical trials, with ~32% identifying as person of color (up from 2-4% in 2010)
- 2016- present
 - Yale conducted ~5K clinical trials (42% therapeutic / 58% non-therapeutic), with total accrual ~70K participants.
 - Over the past five years ~26% of our total enrollment has been from underrepresented minorities (FY20 was ~30%). When you compare therapeutic vs. non-therapeutic (~24% therapeutic URM / ~27% non-therapeutic URM) —
 - For studies with the **Cultural Ambassadors**engaged over the past 5 years ~61% of our total enrollment has been from underrepresented minorities, when you look at therapeutic vs. non-therapeutic (52% therapeutic / 67% non-therapeutic).
 - 99% retention rate total and 97% URM



Our Partnership:

FDA Office of Minority Health and Health Equity and Yale



MOU 225-18-015

- 1. Collaborations to cultivate and advance the Yale Cultural Ambassadors Program and the engagement of community partners to increase participation of diverse underserved populations in clinical research;
- 2. Advancing education and participation of diversity of the ...scientific workforce ...including clinical trials;
- 3. Advancing student education...into...biomedical science... including student internships and faculty sabbatical:
- 4. Opportunities for FDA staff to serve as adjunct faculty or on advisory boards;
- 5. Opportunities to convene joint meetings for education and research;
- 6. Opportunities for Yale students, trainees, and faculty training in the regulatory science pathways;
- 7. Research and evaluation collaborations:
- 8. Cooperative international initiatives; and
- 9. Accessing unique facilities and equipment for scientific endeavors.

https://www.fda.gov/about-fda/academic-mous/mou-225-18-015

Selected Accomplishments:

- Innovation and Diversity Summits, focus Patient-centered Approaches to Care and Research
- Joined Yale work to expand community engaged clinical trials network in Puerto Rico.
- Joint presentations at minority serving groups and organizations, including Black **Nurses Association**
- > FDA hosting of Yale Clinical and Translational Science Interns for 4-week externships at OMHHE.
- Joint FDA-Yale DIA publication, "Advancing Clinical Trial Diversity Through Community Engagement"
- Diversity and Innovation in Clinical Trials Summit

THE INNOVATION AND DIVERSITY SUMMIT:

Friday, October 5th

7:00 am to 2:30 pm | Lunch will be provided

Harkness Auditorium | 333 Cedar Street, New Haven

The Innovation and Diversity Summit a collaboration of Yale School of Medicine and our partners a the FDA Office of Minority Health, will focus on raising awareness about the need for minorities and subpopulation participation in clinical trials; patient-centered approaches to care and research; and role of technology in both areas. Our goal is to bring stakeholders from governmental agencies,









iversity and Innovation: The Yale Evolution Alien Hsiao, MD. FAAP. Chief Medical Information Officer. Yale Scho



Tistorical Perspective on Henrietta Lack







new I. Brandsong, EdD, CIP, CCP P. Evacurises Director for Research



inda Coleman, JD, CIP, CHC, CHRC, CCEP-I, Director, Human Research



unity and Patient-Centered Approach to Cardiovascul

ric I, Velazquez, MD, FACP, FACC, FASE, FAHA, Professor of Medicine a





From left to right: Intern Shiny Weerakoon (YSPH student); RADM Richardae Araojo, PharmD MS, Director FDA OMH; Intern Asia Brown (YSPH student);



FDA Office of Minority Health and Health Equity Clinical Trials Diversity Research awarded to Yale

Competitive contract from the FDA Office of Minority Health and Health Equity entitled *Leveraging Community Engagement and Electronic Health Record Strategies to Promote Diverse Participation in COVID-19 Clinical Trials* (Contract # 75F40120C00174).

- Aim1: Understand factors or combination of factors that contribute to COVID-19 morbidity and mortality in minority populations
- Aim 2: Utilize real time data and EHR data to provide population health management and access to COVID-19 and other clinical trials information, including integration of community level social determinants of health information
- Aim 3: Understanding ways to amplify linguistically and culturally appropriate information related to COVID-19 and general research awareness, participation, and retentions as well as prevention strategies.

This project is supported by the Food and Drug Administration (FDA) Office of Minority Health and Health Equity of the U.S. Department of Health and Human Services (HHS) as part of a financial assistance award [FAIN] totaling \$3.3M. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by FDA/HHS, or the U.S. Government.

Community –Industry Partnerships

Equitable Breakthroughs in Medicine Development: Program overview

Overview: This is an 18-month initiative to help underrepresented patients be more involved in clinical research and new medical treatments. This effort seeks to connect diverse communities, patients, providers, health partners, community organizations, academic institutions, and clinical trial sponsors, to pilot a network of 10 sustainable, connected, community-based trial sites

- Key goals over the 18-months:
 - Showing **proof of concept** for a comprehensive, collaborative network of sustainable, connected, community-based sites supporting clinical trial diversity in underserved communities
 - Partnering with trusted messengers and community leaders to raise education, awareness and support for clinical trial participation
 - Providing the resources and technical support for local sites to be successful, sustainable, and thrive
 - Build **training opportunities and mentorship** for investigators and staff







https://medicine.yale.edu/ycci/researchspectrum/collab/equitable-breakthroughs-medicine-development/

A few thoughts from our experiences relevant to the meeting goals... Community engagement and bidirectional partnership has been key to our tremendous progress.

- Knowledge alone is not power!
 - Long term investment on both sides in structure, organization, evaluation is required.
 - There should be active engagement around FDA regulations...lack of understanding of the meaning of the regulation can become an issue when building trust.
 - Important questions:
 - What do your partners get out of the relationship? How can it be bidirectional?
 - How do you activate community group partnerships?
 - What is the long-term commitment (training has been key)
 - The activities should include direct to patient education and awareness, which is age, linguistically, and culturally appropriate and tailored to the audience by method of communication.
- Decentralized trials have the potential to bring research closer to the community.
 - However patient burden must be considered; study task cannot just simply shift from the research site to the patient home.
 - Multiple technology solutions can add to participant burden, expense, and lack of satisfaction with the trial experience.
- Leveraging and partnering with FDA offices, universities/ health system, advocacy groups, and community
 group engagement programs can lead to better understanding of the meaning and purpose of research
 regulation, along with enhanced trust in the FDA review process with the potential for improvements in uptake
 post approval by all populations.







Additional Background Information



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Forgot account?

Partnering with the Cultural Ambassadors



December 21, 2020 COVID 19 - Vaccines, Treatments, and Research

Dr. Marcella Nunez-Smith,
Dr. Charles Dela Cruz, Tesheia
Harris, Reverend Perry, and
Reverend Clayton

New Haven Independent was live.

December 21, 2020 · S

The Tom Ficklin Show: Covid-19 Vaccines, Treatments and Research

536 Views

4 Likes 4 Comments 12 Shares

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The Tom Ficklin Show | Covid Clinical Research

October 19, 2020 COVID 19 – Clinical Research

Dr. Charles Dela Cruz, Tesheia Harris, and Reverend Clayton





Tom Ficklin Radio Show partnership

Take ownership of your health...your life depends on it.

TAKE OWNERSHIP OF YOUR HEALTH...YOUR LIFE DEPENDS ON I



The Tom Ficklin Radio Show, the Yale Center for Clinical Investigation (YCCI), and their AME Zion Church Cultural Ambassadors for Research at Yale, have launched a new partnership to raise awareness in the minority community on health promotion topics and how to access cutting-edge clinical research.

Topic: COVID Vaccine Hesitancy

with Dr. Brita Roy, Yale Medicine and Dr. Thomas Balcezak, YNHH

MONDAY, MARCH 15, 2021 AT 11 AM, WNHH 103.5 FM

Dr. Roy and Dr. Balcezak will join the Cultural Ambassadors to speak about the impact of COVID19 in communities of color and the elderly. They will speak about testing, treatment, vaccine distribution efforts, and what they are doing to address vaccine hesitancy in our community.

Guest Speakers



Brita Roy, MD, MPH, MHS

Assistant Professor of Medicine (General Medicine) and Epidemiology (Chronic Diseases); Director of Population Health (Yale Medicine)



Thomas Balcezak, MD

Chief Clinical Officer and Executive Vice President, Yale New Haven Health



Reverend Elvin Clayton

facebook some Pastor, Walter's Memorial AME Zion Chur



icklin Show | Never Give Up!

facebook Sign Up The Tom Ficklin Show | In Conversation with Dean, Nancy Brown **WILLIE** facebook sun Up The Tom Ficklin Show I Dr. Eric Valazquez facebook See The Tom Ficklin Show | Advancing Healthcare tuning into WNHH-LP om Ficklin Show | Never Give Up!

See a full listing of past shows:

https://medicine.yale.edu/ycci/researchspectrum/cer/r esearch/ambassadors/tfrs/

January 2020 - March 2021

March 8th - A Conversation with Dr. Darin Latimore Deputy Dean and Chief Diversity Officer, Yale School of Medicine March 15th - COVID Vaccine Hesitancy Dr. Brita Roy, Dr. Thomas Balcezak, Reverend Clayton, and Sundae Black February 15th - A Conversation with Dr. Keith Churchwell With Reverend Perry and Reverend Clayton

August 2020 - December 2020

December 14th- Fatherhood Initiative Program With Dr. John Krystal, Hon. Michael L. Ferguson, Anthony Judkins, Reverend Perry, and Reverend Clayton

December 21st - COVID 19 - Vaccines, Treatments, and Research With Dr. Marcella Nunez-Smith, Dr. Charles Dela Cruz, Reverend Perry, and Reverend Clayton

November 9th - Cancer Diagnoses and Screenings in Communities of Color With Dr. Roy Herbst and Dr. Brita Roy November 2nd - Taking Charge of Your Health

A Conversation with Dr. Nancy J. Brown, Dean, Yale School of Medicine With Reverend Perry and Reverend Clayton

October 19th - COVID Clinical Research at Yale with Dr. Charles Dela Cruz

September 21 - Cardiovascular Health with Dr. Eric Velazguez

September 14 - COVID Vaccine Questions Answered with Leading Researcher, Dr. Onyema Ogbuagu, Yale With Dr. Onyema Ogbuagu, Reverend Perry, and Reverend Clayton

August 24 - Taking Charge of Your Health with Dr. John Krystal, Reverend Perry, and Reverend Clayton

August 10 - Advancing Health Care through a Community and University Partnership in Research: The Role of the Yale

with Madelon V. Baranoski, Linda M. Coleman and Reverend Perry and Reverend Clayton

August 3 - Be Smart, Be Prepared, Be Proactive During this Global Crisis with Dr. Marcella Nunez-Smith and Maurice Williams

January 2020 - July 2020

July 6 - Community Engagement and Education for Pneumonia Prevention with Yale Cultural Ambassadors

June 15 - Celebrating Men's Health Month with Yale Cultural Ambassadors

June 8 - A Conversation with Yale's Dr Marcella Nunez-Smith

March 30 - Take Ownership of Your Health During This Global Crisis with Reverend Perry, Reverend Clayton and Sundae

February 17 - Tenth anniversary of the Yale Cultural Ambassadors Program and The Innovation and Diversity Summit at

February 3 - Health Disparities with Reverend Perry, Reverend Clayton

January 20 - Prostate Cancer with Daniel P. Petrylak, MD, Reverend Clayton, and Tesheia Johnson

January 13 - Importance of Diversity in Clinical Trials and AME Zion Initiatives with Reverend Perry and Reverend Clayton



New Partnership Launched Yale and "Tu Salud Tu Familia" (Your Family Your Health)

Launched on last Saturday October 9, 2021, in the Connecticut market









The partnered show on bariatric surgery featuring Yale School of Medicine faculty Drs.

John Morton and Jorge Moreno received a 2022 Emmy





Cirugía bariátrica - Tu Salud Tu Familia

https://medicine.yale.edu/news-article/yale-weight-loss-program-goes-primetime-surgery/













Young Ambassador

https://www.youtube.com/watch?v=SQdz-jCZKh0





Workforce Development:

Clinical and Translational Research Internship

MEET OUR YCCI PAST INTERNS



Doug Streat, 2017 YCCI Intern

"Working at YCCI was one of the most formative parts of my public health training. It's not ofte n that students get the chance to interact with senior leaders of large health organizations and directly influence the trajectory of those organizations, but YCCI gives its interns the chance to do just that. I learned skills and content in my work at YCCI that I still leverage every day in my work today."

Doug is currently vice president and chief of staff at Aledade, a 500-employee Series D primary care startup based in Bethesda, MD with operations in 30 states.



Gelsa Wilkins, 2020 YCCI Intern

"YCCI has given me numerous opportunities for hands-on experience. Working as a Clinical Research Interngave me a preview into all the facets of research at YCCI. Working with the YCCI team was the best opportunity for my professional career, and it could be a great experience for you as well."

Geisa is one of the newest members of the YCCI clinical research team, recently accepted a position as a YCCI Recruitment Specialist.



Asia Brown, 2017 YCCI Intern

I am thankful for the opportunities I had to weigh in on strategic insights, which has prepared me for the work I'm currently doing. The YCCI takes care of their interns to ensure you get the experience and exposure you desire!"

Asia is currently a nonprofit strategy consultant at Wellspring Consulting.



Latoya Howard, 2008 & 2009 Summer YCCI Intern

"The YCCI internship experience was instrumental in my career and I am forever grateful for the opportunity."

LaToya decided to stay at Yale in clinical research, has been promoted several times, and is current a Senior Regulatory Analyst with the Yale Human Research Protection Program.



Josh Tan, 2017 YCCI Intern

"My internship with YCCI was a highlight of my MPH program. The Center gave me the opportunity to lead my own project while providing extensive support for me to succeed. Not only did I have the opportunity to engage with senior leaders of a premier healthcare organization, but also contributed to a project that made transformative impacts to clinical trial operations going forward. This experience broadened my horizon on carreer options and taught me skills transferable to my future roles."

Josh is currently a strategy associate with Pfizer Inc.



Cassandra Lincoln, 2017 YCCI Intern

"My internship experience with YCCI was a highlight of my time at Yale. It was exciting to learn from and work with senior leadership and faculty across the university and contribute meaningful work to cutting-edge clinical research. The program provided me not only with substantive knowledge about clinical trial operations and management, but also with a network of mentors invested in my professional growth. Over the course of the internship, I learned how to better communicate, drive to consensus, and present actionable recommendations."

Cassandra is currently a student at Stanford Law School, studying the intersection of healthcare and the law.

Yale

Results to date:

- > 2009 Launched an informal program
- > 2016 Clinical and Translational Research Internship
- > 2021 Expanded number of interns



> 2018 - Expanded to include a 4-week externship with the FDA Office of Minority Health and Health Equity

Results to date:

To date we have been able to support a small number of interns. With expanded fund, we would build on our past success which includes *estimate* ~57% *minority*, ~70% *female*; *and* 83% *who are still engaged in* research / health care / health management, *with* ~20% *deciding to remain in research careers at Yale*.

HELP US DISCOVER | Be Part of Clinical Research at Yale

http://www.yale.edu/hronline/careers/application/external/index.html

Collectively investing in the next generation:

YCCI Clinical and Translational Research Exposures Pilot Summer Internship Program



- ~1500 students from around the world, with just ten days to advertise
- More than 400 full applications, along with letters of recommendation for participation in the program
- Interns, age 15-20, from ~20 different states, Canada, and Puerto Rico.
- ~30-40% are minority, ~50% female; and 20% from rural areas with limited similar opportunities.
- Further for many of the students, this will be there first internship opportunity.



Our diversity in clinical trials work highlighted by Merck, J&J, MRCT, and The Health Management Academy

- Improve Diversity in Clinical Trials. https://mrctcenter.org/diversity-in-clinical-trials/. Accessed 2020 October 15
- Think Medium: Access to Clinical Research and an Approach to Advancing Health Equity https://www.youtube.com/watch?v=y hsnrNmu8o
- December 30, 2020, episode 72, of the Fireside Chat with Gary Bisbee is entitled "Yale Cultural Ambassador Program: Access to Clinical Research and an Approach to Advancing Health Equity." (https://www.firesidechatpodcast.com/)
- Increasing Diversity In Clinical Trials: The Critical Role Of Community Partnerships & Collaborations By Luther T. Clark, M.D., Madeline Geday, Adrelia Allen, Senaka Peter, Mary Elmer, Kelly Donlon Hoy, and Vivian Ogbonnaya, Merck & Co., Inc. October 6, 2020 Accessed at https://www.clinicalleader.com/doc/increasingdiversity-in-clinical-trials-the-critical-role-ofcommunity-partnerships-collaborations-0001 Ambassadors are also to be featured in an upcoming

J&J publication



Increasing Diversity In Clinical Trials: The Critical Role Of **Community Partnerships & Collaborations**

By Luther T. Clark, M.D., Madeline Geday, Adrelia Allen, Senaka Peter, Mary Elmer, Kelly Donlon Hoy, and Vivian Ogbonnaya, Merck & Co., Inc.

Clinical trial results provide the critical evidence base for evaluating the safety and efficacy of new medicines and medical products. When the research study population reflects the characteristics of the population for whom treatment is intended, those individuals who subsequently use the medicines are better served and we advance better health outcomes. If clinical trial participants do not reflect the intended use population, results may be less informative and may not be generalizable.



MULTI-REGIONAL CLINICAL TRIALS

THE WORLD PERSON AND

Barbara E. Bierer, MD

Sarah A. White, MPH

Hayat R. Ahmed, MS

David H. Strauss, MD

Luther T. Clark, MD

Laura G. Meloney, MPH, MS



In 2010, YCCI met with community leaders from Junta, a Latino community-based non-profit in New Haven, and the frican Methodist Episcopal Zion Church (AME Zion), one of the oldest African American congregations in the country One year later, the Cultural Ambassadors Program was born.

Both groups also expressed a desire to engage with physicians and staff members who represented their ethnicit

seeking care for illness was a sign of weakness especially among some minority males

The focus group discussions revealed high levels of mistrust among minorities that posed a barrier to participation in clinical trials. Several factors contributed to this, including a lack of clinical research literacy, misinformation about the

Researchers also identified specific barriers for different communities. In the minority specific focus groups, both African American and Hispanic individuals expressed a general distrust of the medical profession and views that clinical trials

For Hispanic individuals, many of whom have non-English speaking relatives, it was noted that there was a scarcity
of recruitment materials in Spanish, and so these individuals also noted fear in the community that participating in

For African American individuals, many raised the issues of past abuses (Tuskegee), as well as cultural barriers

such as home remedies as better treatment options, and the view by some in the community that asking for help or

research process, rights of participants and the use of data.

clinical trials may threaten legal residency status.

participation meant being a guinea pig.

In 2011, Yale launched the "Help Us Discover" Initiative. This program centered around working directly with local faith and advocacy leaders in collaboration with Yale faculty to strategize around recruitment and increase access to Yale's clinical trials program.



March 2015, the "Help Us Discover" program was integrated with Yale's Epic electronic health record (EHR). To achieve direct-to-patient engagement using the EHR, Yale developed a research section in the MyChart patient portal.

Through this portal patients learn about research opportunities matched to their profile and can flag their interest in

Our diversity in clinical trials work highlighted by PhRMA

https://www2.deloitte.com/us/en/insights/industry/life-sciences/lack-of-diversity-clinical-trials.htm





What's different about this effort?





https://phrma.org/Equity/clinical-trial-diversity

- This is an industry-wide effort and initiative with patients, health care providers, communities, clinical trial sponsors, health systems, and academia.
- It has a specific focus on mentorship for staff at clinical trial sites, sustainable support for local community-based sites and partnership with communities of color that have historically been underrepresented.

Our goal is to show proof of concept over an 18-month period for a **sustainable, community-based infrastructure** that tears down the systemic barriers underserved patients often face when it comes to clinical trials, and to address issues of mistrust head on.

Questions

