Center for Excellence in Public Health Leadership at Kennedy Krieger



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Public Health Leadership Programs

- Educational opportunities are funded by the Centers for Disease Control and Prevention (CDC)

Ferguson RISE

[Dr. James A. Ferguson Emerging Infectious Diseases Research Initiatives for Student Enhancement (Ferguson RISE) Fellowship Program]

MCHC RISE-UP

[Maternal Child Health Careers/Research Initiatives for Student Enhancement – Undergraduate Program (MCHC/RISE-UP)]

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Educational Topics and Priorities

- Public health experiences focus on health promotion and addressing public health challenges
  - CDC Optimal Opportunities for Prevention to Promote Health
  - Infectious Diseases
    - Advanced Molecular Detection
    - Waste Water Surveillance
  - Developmental Disabilities/ Neurodiverse Populations
  - Maternal and Child Health
  - Mental Health Promotion
  - LGBQI+ Health
  - Substance Abuse Prevention and Treatment
  - Political and Social Determinants of Health
  - Health Related Social Needs

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What we do!

- Recruit undergraduate, graduate, and post-graduate students to participate in research, clinical, and community engagement activities to promote health and wellness.

- Provide didactic interdisciplinary core curricula, externships, and fellowships that incorporate public health competencies to prepare scholars to be leaders in the Public Health field.

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What we do!

- Disseminate information that connects scholars and other professionals to evidence-based practices and new knowledge in the fields of public health.

- Increase the number of scholars who select maternal and child health and public health careers.

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Applications OPEN November 2, 2026.

Hurry Hurry!

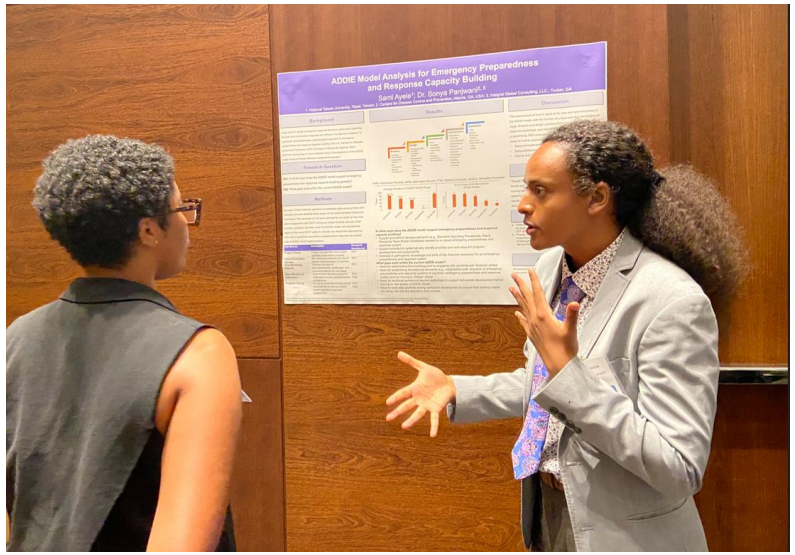
NEW!! Application for the Ferguson RISE 9-Month Fellowship are DUE November 30, 2026

Applications MCHC/RISE-UP, Ferguson RISE Summer and 12-Month are DUE January 31, 2027!

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Graduate Programs









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Dr. James A. Ferguson EID RISE Fellowship

- Dr. Ferguson was the fourth dean of Tuskegee University's School of Veterinary Medicine and first Tuskegee alumnus to serve in that capacity in 1991.
- During his tenure on the NCID Board of Scientific Counselors, Dr. Ferguson advocated for a fellowship to introduce medical and veterinarian students to the field of public health.
- An eight-week Summer Research Fellowship Program was instituted in 1989 at the CDC/NCID.
- Morehouse School of Medicine and Tuskegee University School of Veterinary Medicine were the first schools to participate.
- The program was renamed in Dr. Ferguson's honor in 1999.

Ferguson RISE Fellowship Goals

- Promote knowledge of and commitment to careers in public health.
- Summer Track: Current graduate students who are in medical, dental, veterinary medicine, pharmacy, social science, and public health professions.
- **NEW!! 9 Month Track: Current graduate or within 12 month of graduate degree**
- 12 Month Track: Graduate scholars within 12 months of achieving Master's degree or Doctoral degree (or all but dissertation)
- Provide research and clinical experiences to develop critical thinking, leadership skills, and **scientific presentations and publications**.
- Focus research areas are CDC priority areas, **infectious diseases, wastewater surveillance** and **advanced molecular detection**
- Mentor and introduce students to public health fellowships and career opportunities.



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Benefits

- Stipend commensurate with academic status
- Mentored research
- Professional development through coaching, seminars, and networking
- Housing for summer fellows
- Housing support for 9-Month and 12-Month fellows
- Travel and housing for Orientation in Baltimore
- Travel to public health research site
- Conference support (e.g., registration, housing, transportation)
- Closing Research Symposium

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Ferguson RISE Fellowship Dates

- Orientation:
  - **Friday, January 8 and Saturday, January 9, 2027 (9-Month Ferguson RISE)**
  - **Monday, May 31 - Friday, June 4, 2027 (Everyone)**
  - **Monday, May 31 - Friday, June 11, 2027 (9 and 12 Month Ferguson RISE)**
- RESEARCH Experience:
  - **Monday, January 11, 2027-September 29, 2027 (9-Month)**
  - **Monday, June 7 – Friday, July 30, 2027+ (Summer)**
  - **June 14, 2027 - May 26, 2028 (12-Month)**
- Ferguson RISE Research Symposium–Summer Fellows
  - **Friday, July 30, 2027**
- Ferguson RISE 9-Month Research Symposium
  - **Friday, September 24, 2027** (tentative)
- Ferguson RISE 12-Month Research Symposium
  - **Thursday, May 25, 2028** (tentative)



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Ferguson RISE Summer

- In-person Orientation: **Monday, May 31, 2027 – Friday, June 4, 2027**
- Research Experiences: **Monday, June 7, 2027 - Friday, July 30, 2027**
- Institutions
  - Centers for Disease Control and Prevention
  - Kennedy Krieger Institute
  - Johns Hopkins University Medical Institutions
  - Morehouse School of Medicine
  - Howard University
  - Rollins School of Public Health at Emory
  - City University of New York School of Public Health
  - Additional Institutions, Agencies, and Universities are planned
- Research presentation on **Thursday, July 29, 2027** at the CDC (tentative)
- Submit research to a national scientific meeting (e.g., American Public Health Association)
- Peer-reviewed publication

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Ferguson RISE 9-Month

- In-person Orientation
  - **January 8 & January 9, 2027**
  - **May 31, 2027–June 11, 2027**
- Full-time 9-month Ferguson RISE Fellowship: **January 11, 2027-September 29, 2027**
- Institutions
  - Centers for Disease Control and Prevention
  - Howard University
  - Kennedy Krieger Institute
  - Johns Hopkins University Medical Institutions
  - Morehouse School of Medicine
  - Rollins School of Public Health at Emory
  - City University of New York School of Public Health
  - Additional Institutions, Public Health Agencies, and Universities are planned
- Peer-reviewed publication

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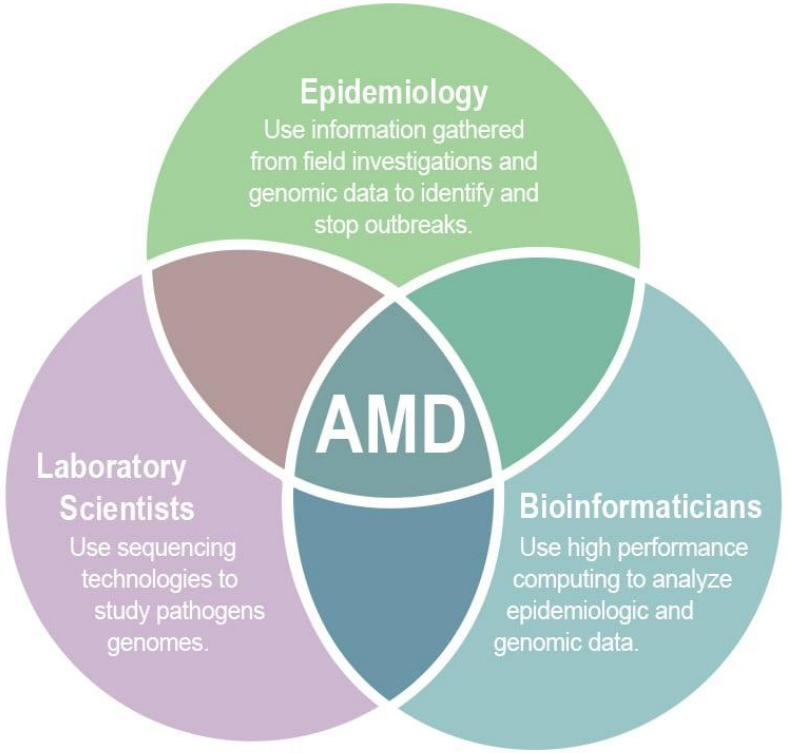
Ferguson RISE-12 Month

- In-person Orientation **May 31, 2027–June 11, 2027**
- Full-time 12-month Ferguson RISE Fellowship: **June 14, 2027-May 26, 2028**
- Institutions
  - Centers for Disease Control and Prevention
  - Howard University
  - Kennedy Krieger Institute
  - Johns Hopkins University Medical Institutions
  - Morehouse School of Medicine
  - Rollins School of Public Health at Emory
  - City University of New York School of Public Health
  - Additional Institutions, Public Health Agencies, and Universities are planned
- Peer-reviewed publication

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Advanced Molecular Detection and Wastewater Surveillance

- Newly CDC funded focus research areas with the Ferguson Fellowships
- Advanced molecular detection (AMD) integrates traditional epidemiology with next-generation sequencing and bioinformatics to provide detailed information on disease-causing organisms.
- AMD allows public health agencies across the United States to identify and solve outbreaks that, in the past, would not have been detectable.
- AMD is now central to the U.S. public health system's efforts to identify, track, and stop infectious disease.
- Wastewater surveillance is a method to monitor for pathogens within a community. It involves the systematic sampling, processing, and analysis of wastewater to detect the genetic material of targeted pathogens.



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Ferguson RISE Fellowship

Public Health Training and Career Exploration

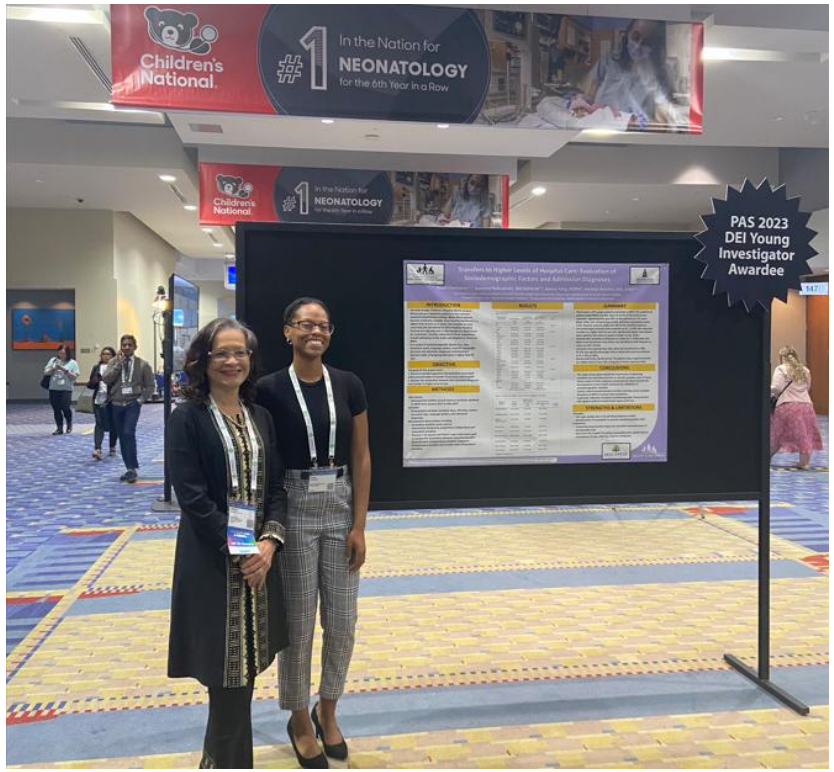
- Core Public Health Knowledge

  Promotion of Health
- Infectious Diseases Research Experience
- Research Accountability Groups (RAGS)
- Weekly Public Health Leaders
- Professional and Research Development through Mentoring & Coaching
- Abstract Writing
- Presentation Experience
- Peer-reviewed Publications
- Leadership Experience (Near-Peer Mentoring)
- Networking/Employment Opportunities



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Undergraduate Programs









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Maternal and Child Health Careers/Research Initiatives for Student Enhancement Undergraduate Program (MCHC/RISE-UP)



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MCHC/RISE-UP

- ❑ Be currently enrolled as a rising junior or senior or received their baccalaureate degree within 12 calendar months of the MCHC/RISE-UP program orientation.
- ❑ Have a cumulative GPA of 2.7 or better on a 4.0 scale.
- ❑ Be a US citizen, US National, Permanent Resident.
- ❑ Be able to commit to participate in program activities for the length of the MCHC/RISE-UP.
- ❑ **MCHC/RISE-UP Application Opens: November 2, 2026**
- ❑ **MCHC/RISE-UP Application Deadline: January 31, 2027 (11:59 PM EST)**

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MCHC-RISE-UP

- Centers for Disease Control and Prevention (CDC) John R. Lewis Undergraduate Public Health Scholars Program
- Undergraduate juniors and seniors, and baccalaureate degree scholars
- MCHC/RISE-UP Public Health Leadership Experiences:
  - Clinical
  - Community Engagement & Advocacy
  - Research

Three sites:

- Kennedy Krieger Institute - Maryland
- University of California Davis
- University of South Dakota

Campus Housing:

- Kennedy Krieger Institute
- University of California Davis
- University of South Dakota

UC DAVIS AGGIES

UNIVERSITY OF SOUTH DAKOTA

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MCHC-RISE-UP

- National Consortium of AUCD Member Institutions
  - Kennedy Krieger Institute/Johns Hopkins Medical Institutions
    - Historically Black Colleges and Universities
  - University of South Dakota- Ann Wilson, PhD, Site Director
    - Tribal Serving Institutions
  - University of California-Davis - Yue Yu, PhD, Site Director
    - MIND Institute

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MCHC-RISE-UP Summer 2027



- All MCHC-RISE-UP Scholars
  - Orientation In-Person: **Monday, May 31, 2027 - Friday, June 4, 2027**
- Public Health Experiences: **Monday, June 7, 2027 - Friday, July 30, 2027**
  - Kennedy Krieger Institute, & University of South Dakota
- Public Health Experiences: **Monday, June 14, 2027 - Friday, July 30, 2027**
  - University of California Davis program
- Scholars participate in their Site Showcase and Expo Activities
  - **Thursday, July 28, 2027 or Friday, July 29, 2027**



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Center for Excellence ABRCMS Research Presenters



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Mentor Readiness

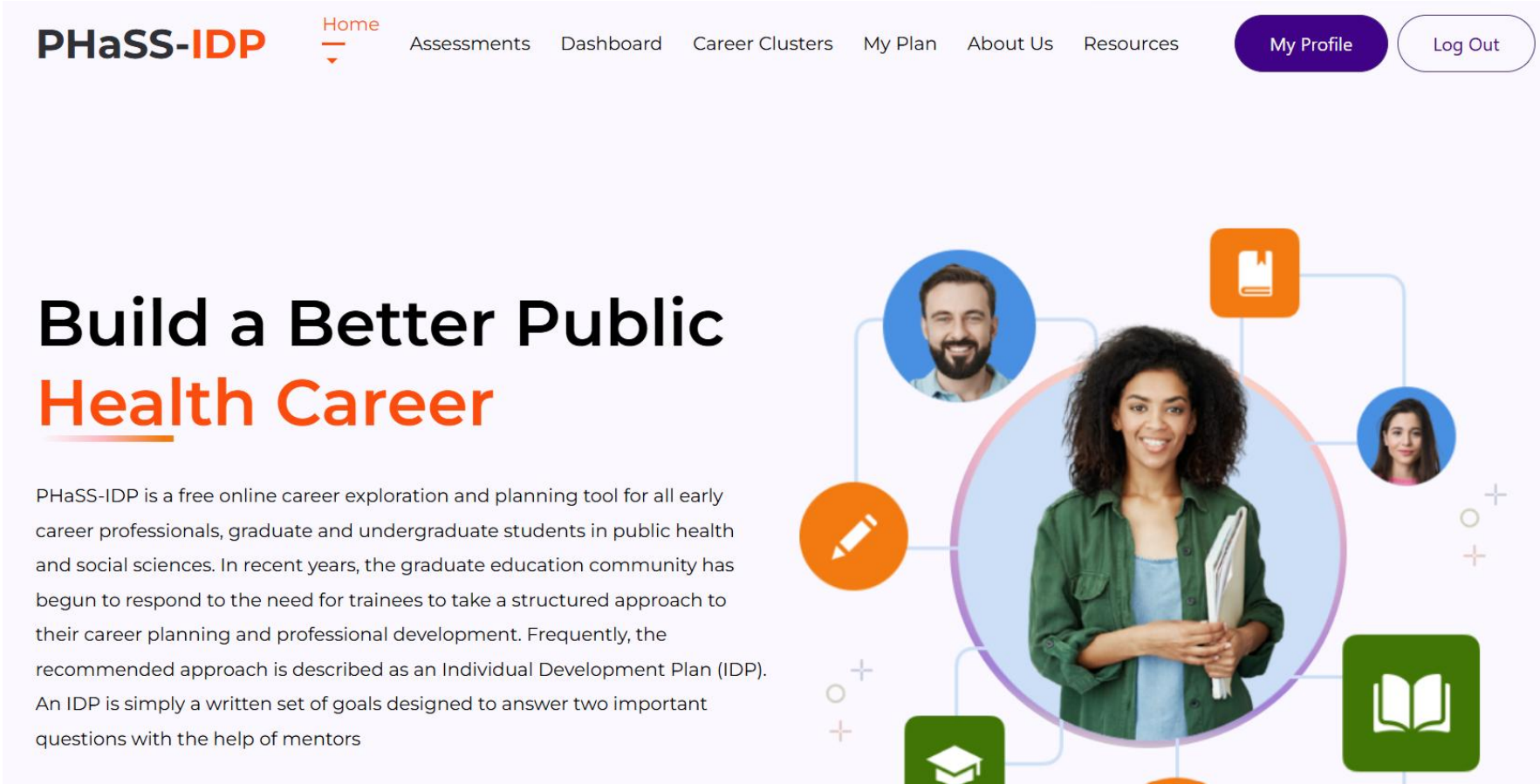
Enhancing Mentoring



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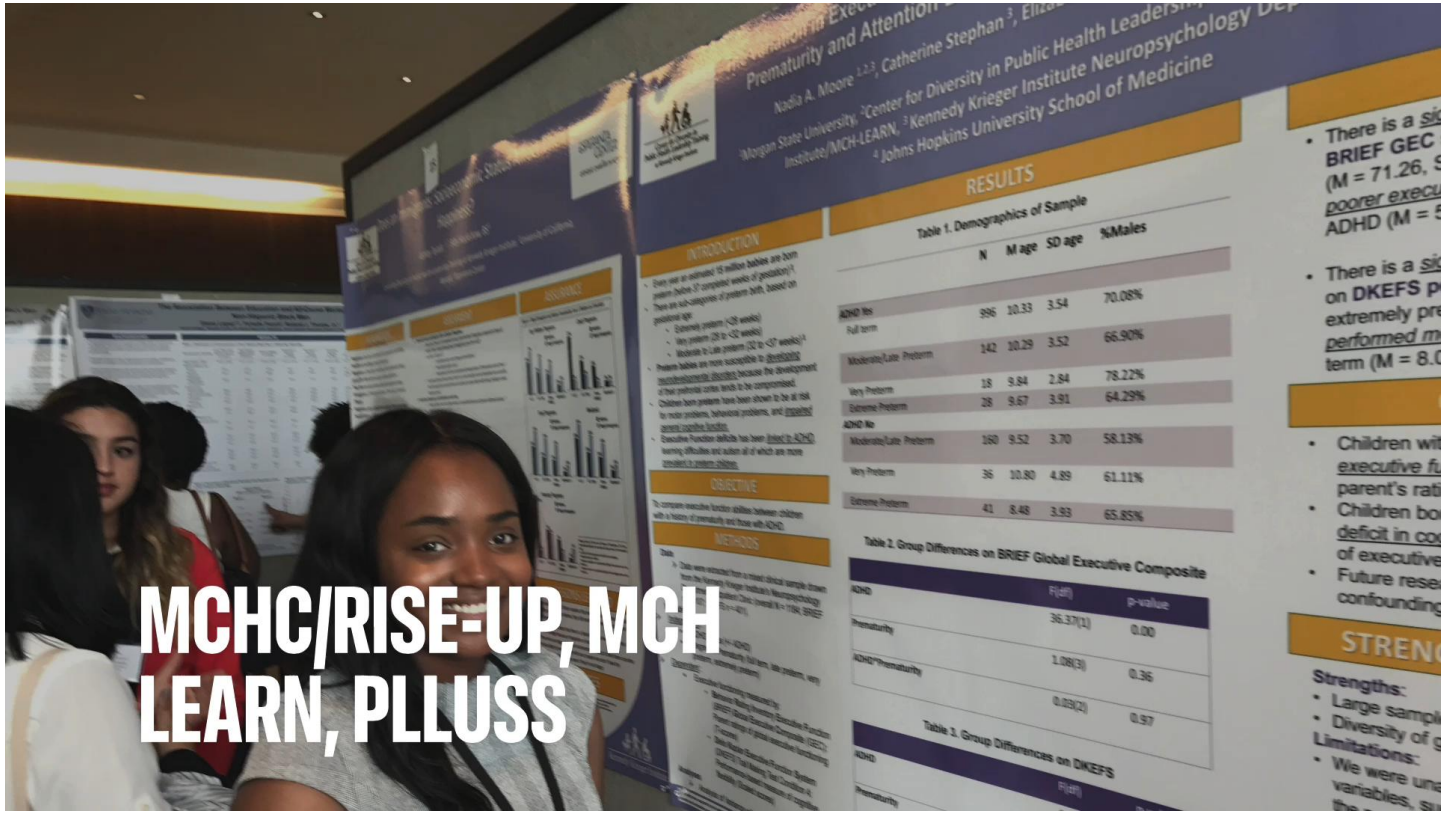
PHaSS-IDP

https://www.careersinpublichealth.org/



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This is what success looks like…





Any Questions?

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Thank you!

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