



Office of the National Coordinator
for Health Information Technology

Public Health Informatics & Technology (PHIT) Workforce Development Program - Update

HITAC Meeting

June 15, 2023

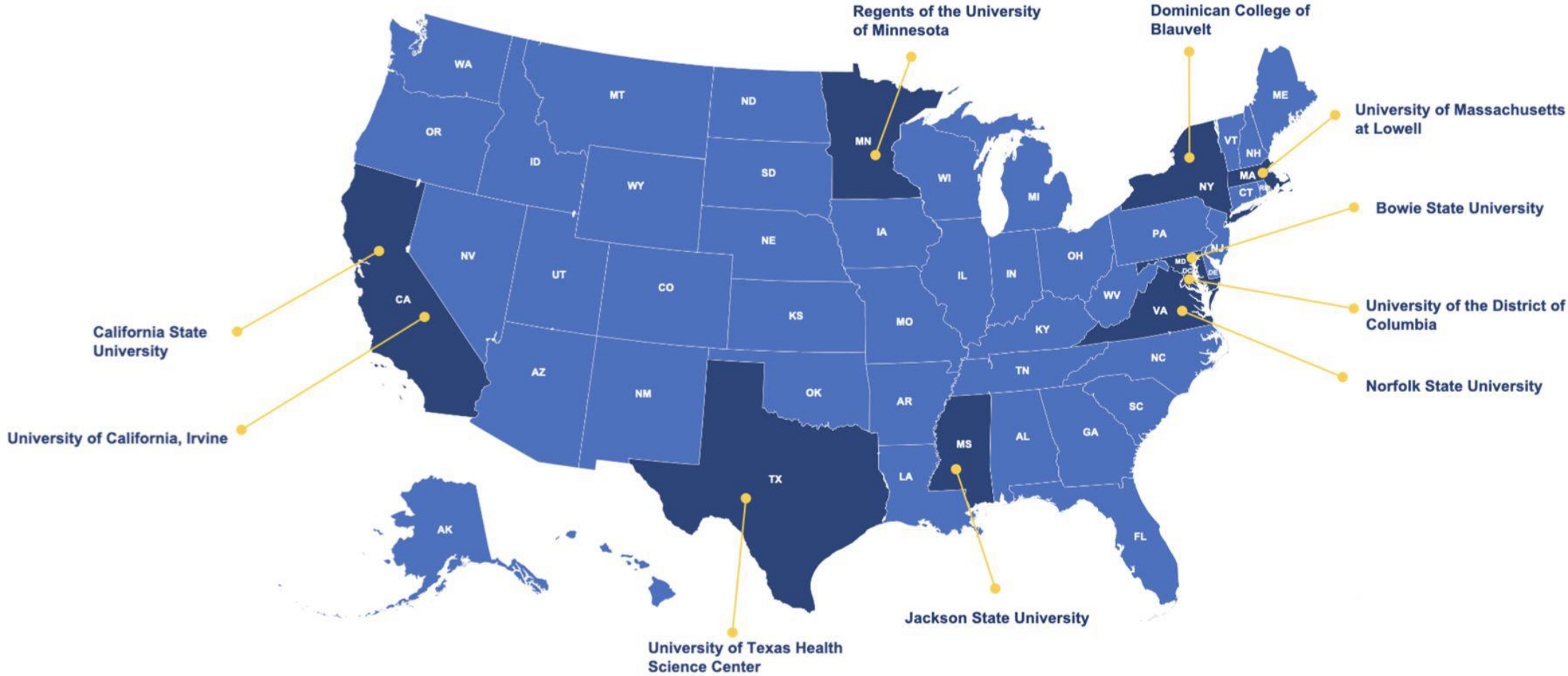


Overview of the PHIT Workforce Development Program

- In 2021, over \$75 million awarded to increase the number of public health professionals trained, with a focus on recruiting from minority serving institutions (MSIs).
- Focused on an interdisciplinary approach to data science and managing public health information.
- Building the capacity of minority serving institutions (MSIs) such as Historically Black Colleges and Universities (HBCUs), Tribal Colleges and Universities (TCUs), and Hispanic Serving Institutions (HSIs), as well as other colleges and universities, to educate and diversify the public health workforce.
- Over four years, the PHIT Program awardees will train at least 5,000 individuals.



Public Health Informatics & Technology Workforce Development Program Recipients



This map includes the 10 PHIT Workforce Development Program award recipients.

Awardee Program Breakdown

Awardee	Undergraduate	Graduate	Incumbent Professionals & Certificates
Bowie State University	X	X	
California State University	X	X	
Dominican University	X	X	X
Jackson State University	X	X	X
Norfolk State University		X	
Regents of the University of Minnesota	X	X	X
University of Texas Health Science Center	X	X	X
University of Massachusetts at Lowell	X	X	X
University of California, Irvine	X		X
University of the District of Columbia	X	X	X

PHIT Program Implementation

- Program milestones:
 - Consortia development (completed)
 - Curriculum development and finalization (Year 1-2)
 - Student recruitment (Year 1-3)
 - Student training and placement (Year 2-4)
 - Sustainability (Year 4)
- Program evaluation:
 - Metrics
 - Curriculum developed by degree level
 - Students trained by demographics, degree level, course type
 - Training site/Career placement
 - Qualitative data



Office of the National Coordinator
for Health Information Technology

PHIT Co-Leads

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Health IT Feedback Form:

<https://www.healthit.gov/form/healthit-feedback-form>



Twitter: [@onc_healthIT](https://twitter.com/onc_healthIT)



LinkedIn: [Office of the National Coordinator for Health Information Technology](https://www.linkedin.com/company/office-of-the-national-coordinator-for-health-information-technology)



YouTube:

<https://www.youtube.com/user/HHSONC>

HealthIT.gov

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Up-Skilling District of Columbia Public Health Technology
Workforce

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 PHIT4DC.com



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- 05 Program Pathways
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This project is supported by the Office of the National Coordinator for Health Information Technology (ONC) of the U.S. Department of Health and Human Services (HHS) under grant number ARP-PHIT-21-001 entitled Public Health Informatics & Technology Workforce Development Program grant as part of a four-year project totaling \$8,673,107.00. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by ONC, HHS, or the U.S. Government.

About PHIT4DC

The Public Health Information Technology for DC (PHIT4DC) program optimizes the history and legacy of the District of Columbia's two Historically Black Colleges and Universities, the University of the District of Columbia and Howard University, in collaboration with a Consortium of Subject Matter Experts (SMEs) in the field of public health and informatics.

CRISP DC



PHIT4DC
University of the District of Columbia / Howard University



Educational Institutions



UNIVERSITY OF THE
DISTRICT OF
COLUMBIA
—1851

Founded in 1864
120 areas of Study
13 Schools and Colleges

Founded in 1851
81 Degree Programs
Workforce Development Division
Community College

Goals and Objectives

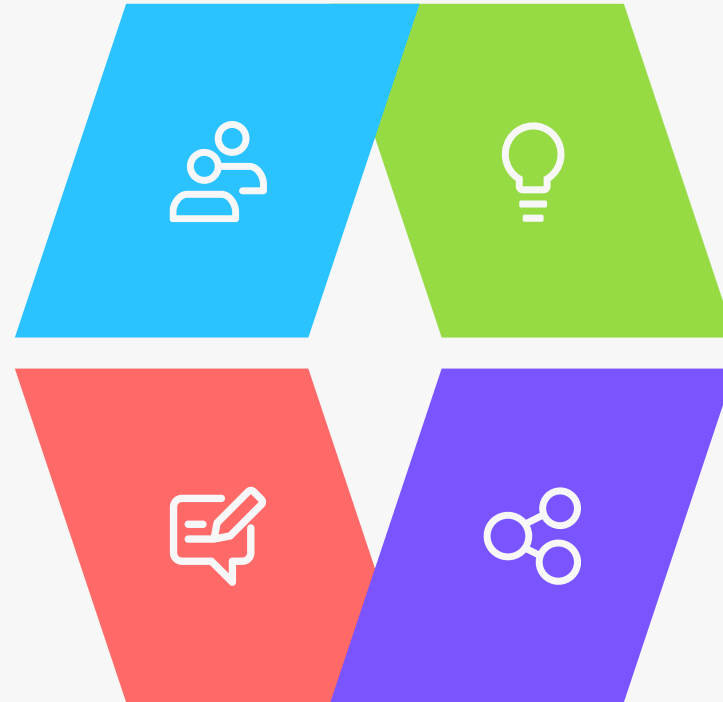
Establish a consortium of instituting and sustaining a PHIT4DC Workforce Development and Career Program with an emphasis on training underserved and underrepresented communities of color.

01

Develop and implement a cross-institutional infrastructure between UDC and HU that will build a consistent recruitment pipeline from underserved populations who live in under-resourced areas of the District of Columbia, especially Wards 7 and 8

02

Develop an Interdisciplinary and culturally responsive curriculum with a special focus on certificate and degree programs in public health informatics, pharmacy Health Information technologies, and data science.



03

Develop equity transfer initiatives to accelerate PHIT training pathways from high school; Workforce Development and Lifelong Learning (WDLL); associate degrees to bachelor's degrees; and health professional/ MPH/Graduate degrees in PHIT.

04

Develop a sustainable training, internship/job placement infrastructure across Consortium partners that will orchestrate a natural pipeline for employment from vested stakeholders in the Washington Metropolitan Area.


Community

Statistics

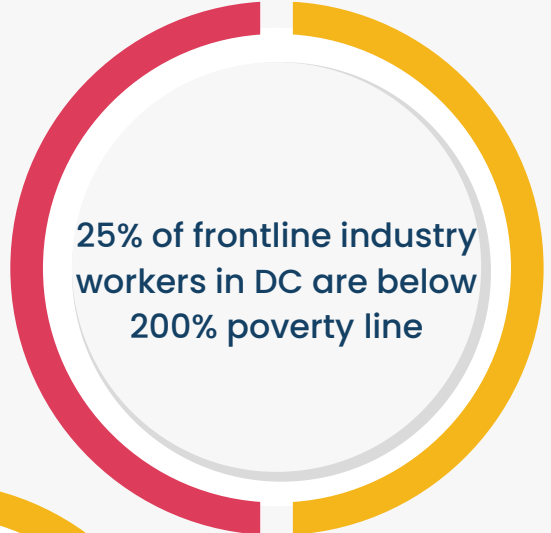
Focusing on the underserved and underrepresented communities of color.



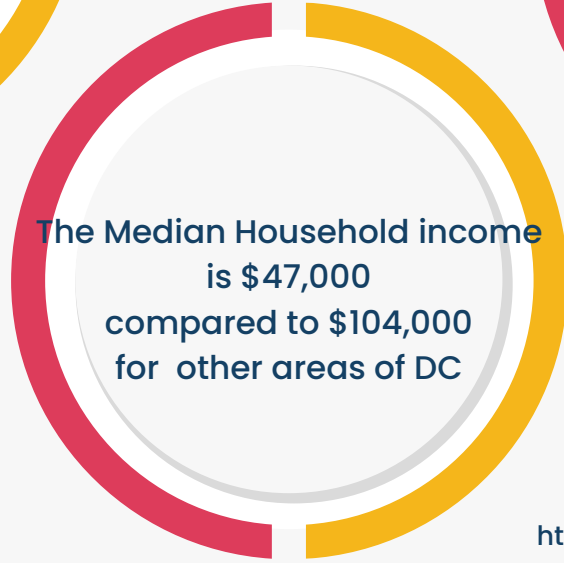
17% of the population is unemployed



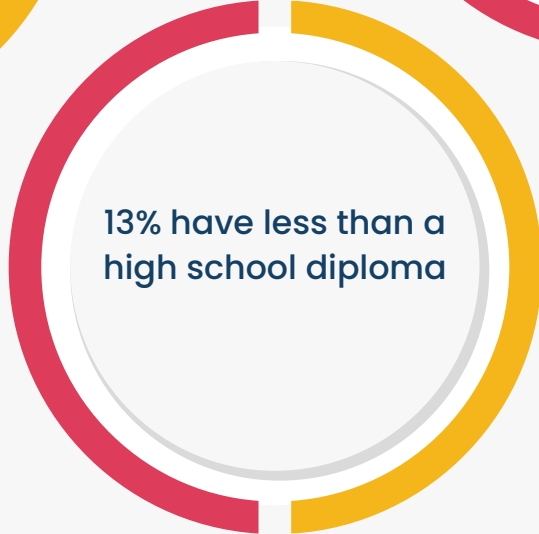
21% of Families live below the poverty line



25% of frontline industry workers in DC are below 200% poverty line



The Median Household income is \$47,000 compared to \$104,000 for other areas of DC



13% have less than a high school diploma

Source:

<https://www.dchealthmatters.org/>

Student Body



Healthcare Career Starter

Interest in pursuing a career in the healthcare industry

Community Members
Veterans
High School Students

Healthcare Career Advancers and Scholars

Two or more years of healthcare experience

Enrolled in post-secondary programs (e.g., technology, life sciences, and healthcare professions)

Professional

Five or more years of experience

Possesses a post-secondary degree or greater in technology, life sciences, or healthcare profession

Program Pathways

PHIT4DC Core Program Offering

PHIT4DC Experiential Course

(Co-developed & conducted by both participating institutions)

Certificate/Credit Course Elective

(15+2 Weeks)

*CAHIMS (Note: 2-week bootcamp certification prep offered)

Student Eligibility Categories

Incumbent
Healthcare Worker

Career Starters; Advancers;
Scholars; Professionals

UDC/Howard University
Degree Seeking Students

Program Pathways

PHIT4DC Experiential Course Feeder Courses/Programs

UDC Workforce Development & Lifelong Learning
Healthcare Pathway/Industry Certification
Pre-Course Work Completion Provided

UDC Community College
Associate Degree Programs
(2 Years)

Howard University
Applied Data Science Program
(Certificate Courses)
(6 weeks)

Howard University
PCMH Content Expert
(Certificate Course)
(6 weeks)

Medical Office
Administrative
Program
(UDC-WDLL)

Intro to Health
Information
Technology
(UDC-WDLL)

PHIT Bootcamp
(Career
Starter/High
Schoolers)

Applicable Student Category:
Career Starters

Associates Degree in Public
Health Informatics

(PHIT4DC Course Offered as Elective)

Applicable Student Categories:
Career Starters; Advancers

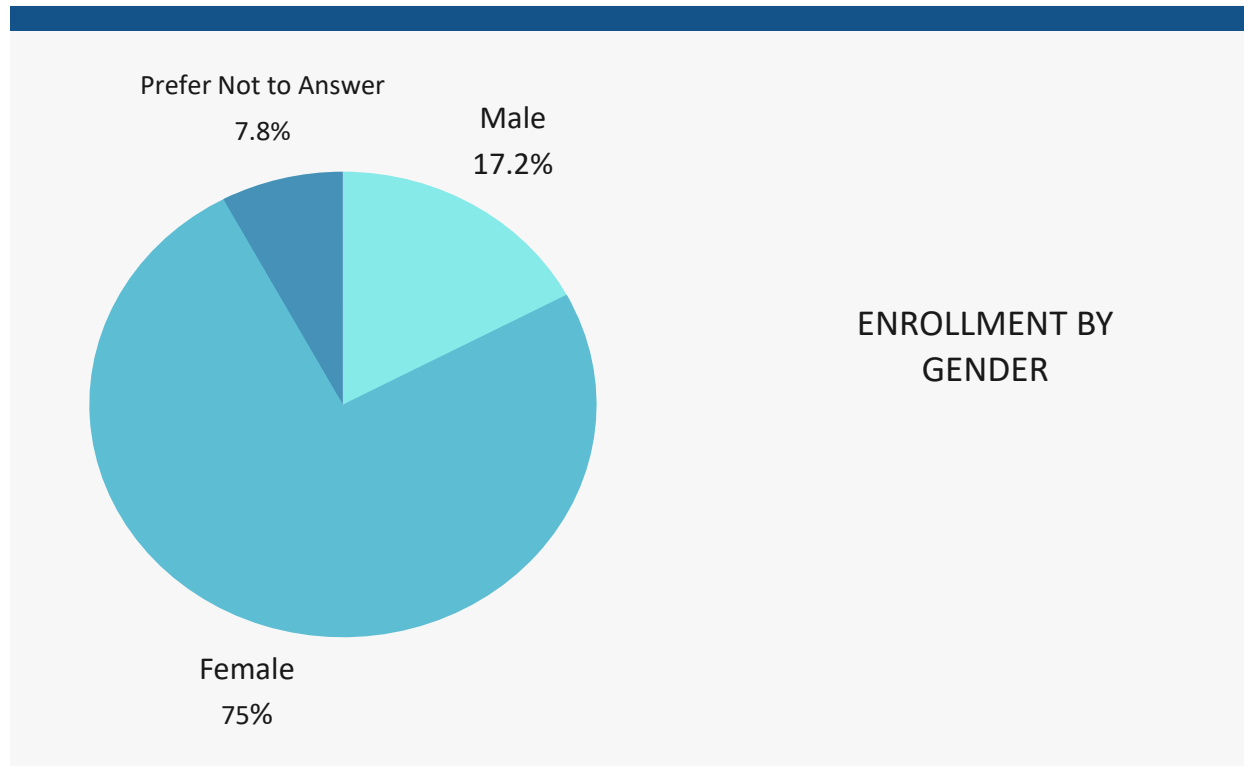
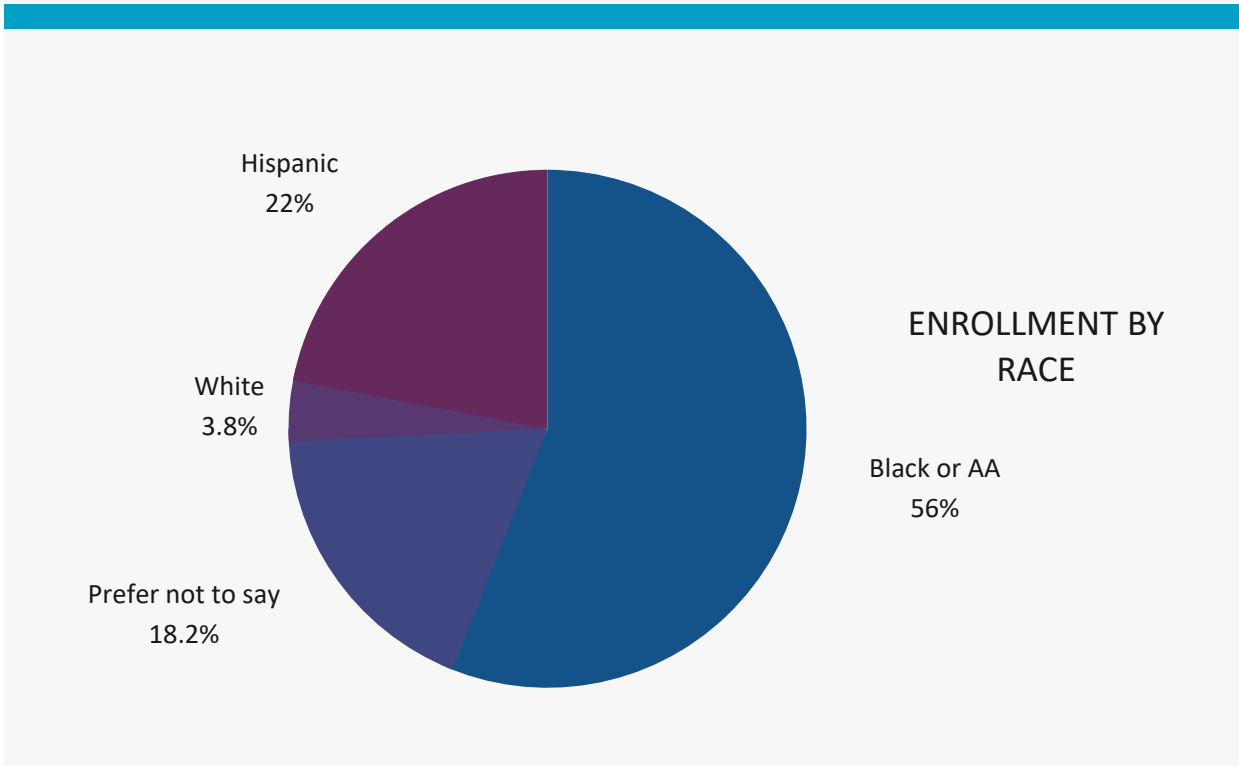
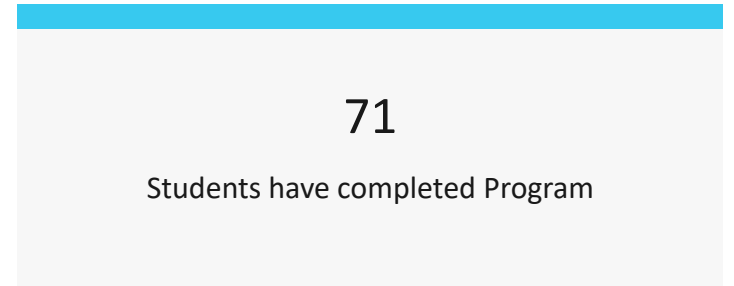
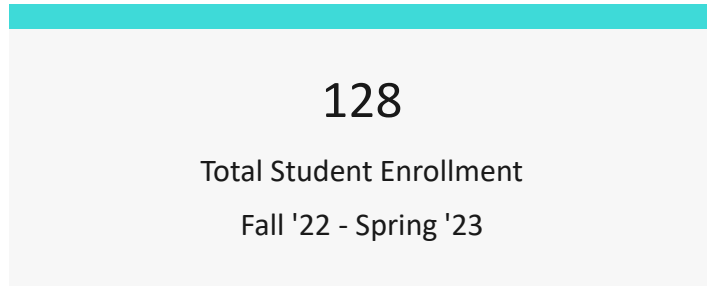
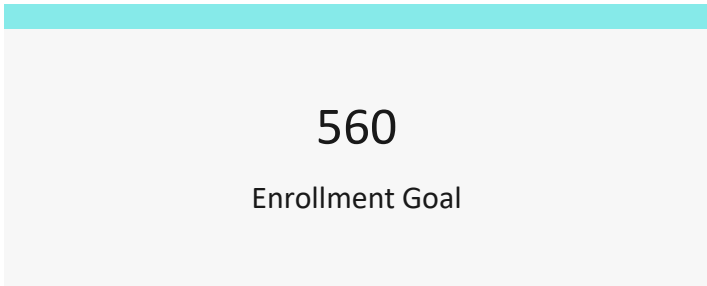
Virtual Applied Data Science
Clinical Informatics

Applicable Student Categories:
Career Advancers; Scholars;
Professionals

NCQA Program Certificate

Applicable Student Categories:
Career Advancers; Scholars;
Professionals

PROGRAM STATISTICS



PHIT4DC

University of the District of Columbia / Howard University

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PHIT4DC.com


UTHealth Houston


GETPHIT

Gaining Equity in Training for Public Health Informatics and Technology

Kimberly Baker, Assistant Dean of Practice, School of Public Health,
University of Texas Health Science Center

<https://www.uth.edu/get-phit/>

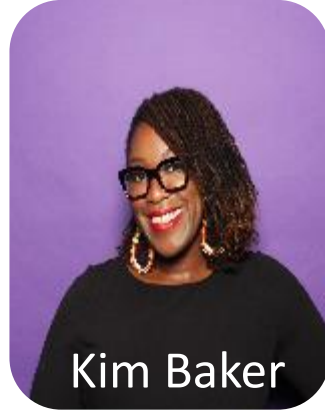
UTHealth Houston

School of Biomedical Informatics &
School of Public Health



Susan Fenton

ASSOC. PROFESSOR; ASSOC. DEAN FOR
ACADEMIC AND CURRICULAR AFFAIRS
UTHEALTH HOUSTON | SCHOOL OF
BIOMEDICAL INFORMATICS



Kim Baker

ASSIST. PROFESSOR; ASSIST. DEAN OF
PRACTICE
UTHEALTH HOUSTON | SCHOOL OF
PUBLIC HEALTH



ACADEMIC PARTNERSHIPS WITH MINORITY-SERVING INSTITUTIONS

- *PROGRAM/CURRICULUM
- *PROFESSIONAL DEVELOPMENT
- *INTERNSHIP PLACEMENT &
CAREER PREP

GET PHIT Consortium Partners



GET PHIT Internship Overview

Program Goals by Fall 2025:

- Train **1,200** students through new curriculum & boot camps
- Provide **400** students with paid internships within health departments, non-profits, hospitals, health systems, private industry, etc.
- Provide **500** professionals with workforce development training

Curriculum Delivery/Integration & Bootcamps

Incorporating the newly developed course content into local courses at each institution each semester

Hosting summer boot camps for immersive learning experiences



GET PHIT
Gaining Equity in Training for Public Health Informatics and Technology

GET PHIT SUMMER BOOTCAMP IN PERSON

BOOTCAMP

CURRICULUM

- Introduction to Public Health Informatics (PHI)
- Data Standards
- Public Health Analytics
- Privacy and Security
- Emerging Trends in PHI
- Public Health Surveillance
- Epidemiology
- Bias and Equity in data use

When: May 15th - May 26th
Where: Prairie View A&M Univ.
Register by April 7th

Scan QR Code to Register



uth.edu/get-phit
GETPHITBootcamp@uth.tmc.edu

The Gaining Equity in Training for Public Health Informatics and Technology (GET PHIT) Consortium would like to formally invite you to a Summer Bootcamp hosted at Prairie View A&M University.

The in-person summer bootcamp is for undergraduates who may be interested in public health informatics.

- Open to all currently enrolled undergraduate students
- Week 1 includes informational lectures and hands-on, practice exercises.
- Week 2 students work on a group research project with faculty mentors. Project ideas come from faculty and students.

Examples of potential projects include:

- Building a decision-making dashboard for a rural public health department
- Collecting public health data via a variety of methods
- Developing an algorithm to identify specific risk factors

Students who successfully complete the bootcamp will be eligible for fall paid internships.

Internship Placement

Incorporating the newly developed course content into local courses at each institution each semester

Hosting summer boot camps for immersive learning experiences



Gaining Equity in Training for Public Health Informatics and Technology

APPLICATION AND INFORMATION:
WWW.UTH.EDU/GET-PHIT/

GET PHIT WILL PROVIDE ELIGIBLE STUDENTS WITH PAID INTERNSHIPS WITHIN HEALTH DEPARTMENTS, NON-PROFITS, AND HEALTH SYSTEMS EVERY SEMESTER.

The Gaining Equity in Training for Public Health Informatics and Technology (GET PHIT) Consortium, led by UTH-Health School of Public Health and School of Biomedical Informatics in partnership with HBCLs, HSLs, and other university partners, and state and local public health agencies across Texas is focused on reducing the nation's health inequities by expanding the number of public health professionals from underrepresented groups trained in public health informatics and technology.



The GET PHIT internship is a 160-hour part-time paid internship relevant to public health informatics. Students will receive a stipend ranging from \$2,440 - \$3,000 based on education and skill.

Eligibility:

- Must be a student from a GET PHIT participating institution
- Must participate in a GET PHIT boot camp, approved program, and/or course
- Have a strong interest in public health informatics and data science

Students from underrepresented minorities are **STRONGLY ENCOURAGED** to apply. Additional information about the GET PHIT program can be found on the website. Scan the QR code below.



Semester*	Internship Dates**	Application Deadline
Summer 2023	Early June to Mid August	April 1, 2023
Fall 2023	Early September to Early December	July 1, 2023

*GET PHIT internships will be available every semester through 2025. Check back for updates to the schedule for future semesters.

**Specific start dates may vary and will depend on internship sites and processing.

HAVE A QUESTION?
SEND US AN EMAIL!

GETPHITINTERNSHIPS@UTH.TMC.EDU

THE GET PHIT INTERN EXPERIENCE



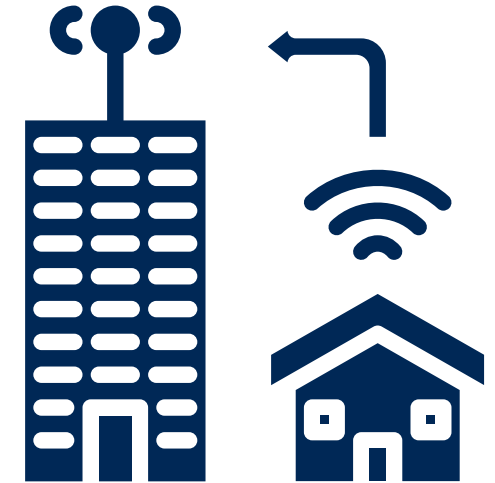
74%

State this is their first
public health-related internship



78%

Received mentors
from those representing
underrepresented groups



77%

Internships were remote

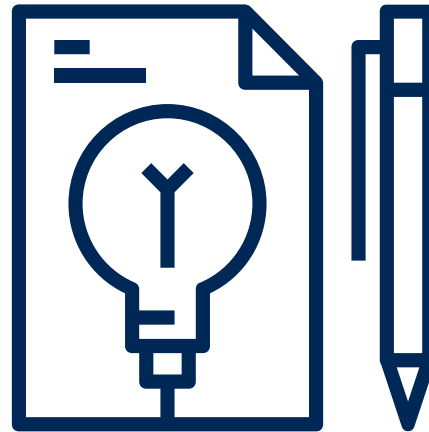
THE GET PHIT INTERN EXPERIENCE



Top 3 Skills Gained



Data Visualization & Analysis



Project Management



Communication

GET PHIT HOST SITES



89%

Rated students' competency level in public health informatics to be good to high



89%

Would likely hire student interns if positions were available



99%

Stated that students were prepared to go into the workforce following the internship

EXAMPLE PROJECTS

- Development of maps depicting COVID incidence in multiple counties
- Geospatial analysis and mapping of census tract data
- Development of locator tool for immunizations as part of host site's website
- Updating and editing host site's data dictionary and statistical processes
- Data analysis on COVID-19 data to identify correlation of co-morbidities with severe disease
- Research on ways to improve the data infrastructure for people with intellectual and developmental disabilities
- Synthesizing cancer incidence/mortality rates from multiple databases into one location and preparing Texas specific maps
- Cleaning data from Texas Education agency related to school health advisory councils
- Development of GIS map of mental health/substance use access points and researching existing stigma reduction trainings

Accredible – Digital Certificates and Badges



Students receive digital certificates and badges upon completion of the bootcamp and internship.

GET PHIT Internship Success Stories



Christina van Hal

A graduate student at UTHealth Houston School of Public Health was matched to and hired by RTI, International during summer 2022. Christina worked on RTI Rarity Local Social Inequity Score (LSI) and area-level indicators of Social Determinants of Health. She's worked on COVID-19 data curation, pulling in data from the Census and other sources, and is now helping with a project focused on social determinants of sexual and reproductive health.



Abhi Parmar

A graduate student at UTHealth Houston School of Public Health was matched to and hired by the City of Houston Health Department. Abhi was assigned to the reporting team and works to enhance or upgrade the scripts that are used for routine reporting. Some of these include making changes for automation and removing any redundancy or improving technical debt that has been incurred.



Anastasia Jones

A graduate student at UTHealth Houston School of Public Health was hired at DSHS in Public Health Region 8 as an Epidemiologist this spring. In her role, Anastasia conducts investigations of notifiable conditions and submits data into the National Disease Surveillance System and to the CDC. Future projects will involve her using SAS, ArcGIS, and PowerBI



Professional Development

Courses Offered & Total Enrollment

- Introduction to Public Health Informatics - 109
- Public Health Analytics – 63
- Health Equity – 20
- Epidemiology – 22
- Health Data Science – 24

- TOTAL – 238 registrations

FIRST ANNUAL GET PHIT SUMMIT

ABOUT

The Gaining Equity in Training for Public Health Informatics and Technology (GET PHIT) Consortium led by the UTHealth Houston School of Public Health and School of Biomedical Informatics is pleased to announce the First Annual GET PHIT Summit. This summit will bring together GET PHIT students, academic institutions, and internship sites to learn about the ongoing work and impact of this state-wide initiative.

WHEN

8am - 4pm
Thursday
September 14th, 2023

WHERE

UTHealth Houston
Cooley Center

7440 Cambridge St
Houston, TX 77054

REGISTER @

go.uth.edu/getphitsummit

KEYNOTE



Imelda Garcia, MPH

Associate Commissioner of
Laboratory and Infectious
Disease Services at the
Department of State Health
Services (DSHS)

Call for Student Poster

scan QR code
to submit



deadline July 14



GET PHIT Website

Contains information on overall program, on bootcamps, internship and professional development. Internship and host site application links are also available on the website.

UTHealth Houston

ABOUT CAREERS NEWS EVENTS A-Z WEBMAIL INSIDE THE UNIVERSITY

Overview Bootcamp Internships Professional Development

GET PHIT

Gaining Equity in Training for Public Health Informatics and Technology

GRANT AND PROGRAM OVERVIEW

The Gaining Equity in Training for Public Health Informatics and Technology (GET PHIT) Consortium plans to train 1,400 students predominantly (greater than 75%) from underrepresented groups and 500 public health, clinic, and academic professionals, while placing 100 students in Internships. Led by The University of Texas at Health Science Center at Houston (UTHealth) School of Public Health (SPH) and School of Biomedical Informatics (SBMI), the GET PHIT Consortium is collaborating with Houston-Tillotson University (HBCU); Prairie View A&M University (HBCU); Texas A&M International University (HSI); Texas Tech University Health Science Center; The University of Texas at Arlington (HSI); The University of Texas at El Paso (HSI); The University of Texas Permian Basin (HSI); and The University of Texas Rio Grande Valley (HSI).

Students will participate in:

- Summer Bootcamps, delivered both Face-to-Face and Online
- Modules Integrated into existing undergraduate curriculum
- Post-baccalaureate certificates
- Master's degrees

Professionals will have access to freely available, online, asynchronous public health informatics and technology curriculum throughout the life of the grant. GET PHIT will leverage its many public health, community, and other partners to ensure the student internships are meaningful.



Efforts to Sustainability



UTHealth SPH: Host Sites

- Lead by Office of Public Health Practice & Engagement
- Established 40 new institutional agreements for student placements
- Facilitating access to GET PHIT professional development workshops for host site staff
- Types of Sites:
 - Health Systems
 - Large & Small Non-Profits
 - State & Local Health Departments
 - Collaborative
 - Health Information Exchanges

For questions or additional information, please contact Michele Stanton michele.l.Stanton@uth.tmc.edu or Dr. Kim Baker at kimberly.baker@uth.tmc.edu

UTHealth SBMI: Texas Health Informatics & Technology Consortium



- Sponsored by Chairman Bryan Daniel, Texas Workforce Commission
- Workforce Needs: Providers, Businesses, Public Health
- Workforce Education: K-12, Community College, Universities, Professional Reskilling
- Collaboration:
 - Texas Workforce Commission
 - Texas Higher Education Coordinating Board
 - Texas Education Agency
 - Educational Institutions
 - Employers
 - Others

For questions or additional information, please contact Nora Belcher at nora@txeha.org or Dr. Susan Fenton at susan.h.fenton@uth.tmc.edu.



Discussion