
VANDERBILT INSTITUTE FOR GLOBAL HEALTH ENGAGEMENTS

Founded in 2005, VIGH (www.globalhealth.vanderbilt.edu) has grown substantially with engagements and extramural funding encompassing the tripartite academic mission.

STRUCTURE AND SCOPE

- University-wide, with 14 core faculty plus 81 affiliated faculty members in all schools
 - Three new core faculty members in 2016: Were, Ahonkhai, Martin
 - Three faculty members with NIH career development awards: Audet, Clouse, Ahonkhai
- 14 staff members and 10 graduate assistants
- Friends in Global Health, Mozambique. In Nigeria, it evolved into FGH Nigeria.
- >\$160 M in grant funding in the past 11 years, and >\$100 M in current grants (including all years); current projects represent research (NIH) and integrated programs (PEPFAR; CDC)
- >500 publications in the past 5 years
- Strategic engagements in multiple regions and 13 countries with active projects of core faculty:
 - Africa – Mozambique, Nigeria, Zambia, Ghana, Kenya, South Africa, Tanzania
 - Latin America – Honduras, Nicaragua, Guatemala, Brazil, Peru
 - Asia – Vietnam
- Providing leadership in expanding the global health agenda to address infectious and non-communicable diseases worldwide

CORE FACULTY RESEARCH AND GRANT-FUNDED INTEGRATED PROGRAMS

Infectious Diseases

- HIV
 - Implementation science (multiple investigators)
 - Continuum of care (Ahonkhai, Aliyu, Audet, Clouse, Kipp, Moon, Wester)
 - Prevention of mother-to-child transmission (Aliyu, Audet, Clouse, Moon, Wester)
 - Informatics (Were)
 - Stigma (Kipp, Audet)
 - Co-infections and non-communicable complications (Wester, Aliyu)
 - Social and behavioral sciences (Audet, Clouse)
 - Pediatric and Adult causes of bacteremia in HIV positive patients (Moon)
- Tuberculosis (Sterling, Clouse, Moon, Vanderbilt TB Center)
- Malaria: Vanderbilt-Zambia Network for Innovation in Global Health Technologies (Heimbürger, Moon)
- Viral Hemorrhagic Fevers: Program for Research on Emerging Viral Infections-Sierra Leone (Moon)

Non-communicable diseases

- Sickle cell disease – preventing strokes in Nigerian children and acute chest syndrome in pregnant Ghanaian women (Aliyu)
- Cancer
 - Gastric carcinogenesis and prevention in Central America (Morgan)
 - Burkitt's lymphoma in Nigeria (Aliyu)
 - Vanderbilt Training Program in Molecular and Genetic Epidemiology of Cancer (Heimbürger)
- Chronic nutrition/metabolism-related consequences of HIV (Heimbürger)
- Research Ethics in LMICs (Moon)

Friends in Global Health

- Major PEPFAR-funded engagements in Mozambique (current) and Nigeria (now independently managed in-country). Overarching objectives include HIV prevention; adult care, support and treatment; HIV/TB co-infection; and pediatric care, support, and treatment.
 - *Avante Zambézia 1* in 14 Zambézia Province districts (112 Health Facilities). Adult & pediatric ART, PMTCT, HCT, Gender Based Violence evaluation, Test & Start ART.
 - *Avante Zambézia 2* in Quelimane, the provincial capital of Zambézia Province (16 Health Facilities). DREAMS Initiative to prevent new HIV infections among adolescent girls and young women, and Test & Start ART.

EDUCATION AND TRAINING

- Directorship of the NIH-funded Vanderbilt-Emory-Cornell-Duke Consortium for Global Health Fellows, 2012-2022 (Fogarty R25/D43), and its predecessor the Fogarty International Clinical Research Scholars and Fellows Program (R24, 2007-2012)
- Multiple NIH/FIC training grants building research capacity
 - University of Zambia (50 Zambians have received advanced training over 20 years; one current Fogarty D43)
 - Universidade Eduardo Mondlane (UEM) in Mozambique (2 current grants)
 - College of Medicine and Allied Health Sciences in Sierra Leone (1 current grant)
- Vanderbilt Institute for Research Development and Ethics (annual month-long grant writing workshop at VUMC for international partners)
- VUMC-based global health training
 - Directorship of the Vanderbilt MPH Program Global Health Track
 - Multiple courses offered, including VUSM global rotations
 - University-wide Graduate Certificate in Global Health

SELECTED AFFILIATED FACULTY AND COLLABORATORS

- The Vanderbilt Epidemiology Center (Zheng, Shu, and colleagues, <https://medicineandpublichealth.vanderbilt.edu/vec/>) is a major collaborative partner
- The Vanderbilt Center for Latin American Studies (<https://as.vanderbilt.edu/clas/>) is a major collaborative partner
- The US administrative offices of Lwala Community Alliance (www.lwalacommunityalliance.org) are hosted by VIGH/VUMC
- CCASAnet (McGowan)
- Surgery/anesthesia capacity building – nurse anesthetist training in Kenya (several VIGH faculty and staff members and students leading the impact evaluation and capacity building initiatives)
- Emergency medicine and MPH capacity building – Guyana
- Lethal and disabling viral diseases – vaccines and treatments for Ebola, Zika, dengue, chikungunya, Marburg, others (Crowe and colleagues, Vanderbilt Vaccine Center)
- Malaria
 - Entomology and parasitology (Zwiebel, Hillyer)
- Mental health – Vietnam (Bahr Weiss, Peabody, plus Shu P20)

PRIOR ENGAGEMENTS

- HIV prevention
 - HIV Prevention Trials Network (Vermund, PI ~2006-12)
 - Method for Prevention Packages Program – China (Vermund, Qian)
- International epidemiologic Databases to Evaluate AIDS (IeDEA) network coordinating center (Wester, Lindegren)
- Education/training
 - NIH Medical Education Partnership Initiative (MEPI) with the University of Zambia (S. Vermund, co-PI)
 - Developed MPH Program at/with the University of Guyana (CDC, Heimburger, Martin)
- WHO multi-country assessment of progress in child survival in the Africa Region (Kipp, Vermund, 2012-2014)