

Curriculum Vitae

CDR RACHEL T. IDOWU, MD MPH

Branch Chief, HIV Care and Treatment, CDC Mozambique Country Office

Center for Global Health, US Centers for Disease Control and Prevention

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Previous supervisor: CAPT Jay Varma, Senior Advisor to Africa CDC, CDC Ethiopia *(may contact as needed)*
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Languages: Portuguese (Spoken: intermediate; Written: Intermediate)
French (Spoken: Beginner; Written: Beginner)
Spanish (Spoken: Beginner; Written: Beginner)

UNITED STATES PUBLIC HEALTH SERVICE PROFESSIONAL EXPERIENCE

6/2018 – present
BRANCH CHIEF
O-6 Supervisory Billet

CDC Mozambique Country Office
Maputo, Mozambique

Duties: As a US government senior medical expert, oversee over \$100 million of HIV clinical programs in 7 geographic provinces through the President’s Emergency Plan for AIDS Relief (PEPFAR); partner with the Mozambican Ministry of Health to design, investigate, implement, and evaluate programs that ensure prompt diagnosis, initiation of treatment, and viral suppression in HIV patients; design, establish, and administer response framework for humanitarian crisis in northern Mozambique (Cabo Delgado Province); hire, train, and supervise eight medical doctors and technical program officers; provide epidemiological and disaster management expertise to CDC country office leadership

Accomplishments: Launched a five-pillar Cabo Delgado Response Framework (CDRF) for US government public health response to the Cabo Delgado humanitarian crisis that had displaced over 500,000 people by November 2020; implemented a tuberculosis preventive therapy action plan across 7 CDC-supported provinces to decrease the likelihood of HIV positive patients developing and dying from tuberculosis; transformed implementing partner reporting to improve accountability through introduction of standard indicators and reporting timelines; as Team Lead for CDC Mozambique during

Cyclone Idai and Kenneth response teams, established disease surveillance platform (“EWARS”) for cholera and other communicable diseases and designed rapid response protocol for eighteen district-level public health responders who were responsible for 4 geographic districts; established quarterly “PEPFAR Partner Exchange” in which implementing partners from CDC and US Agency for International Development meet to review common challenges and solutions in core programmatic areas (return of viral load results to patients; tuberculosis preventive therapy; expansion of multi-month pharmaceutical dispensing to stable patients)

Impact: CDRF achieved ambassador-level endorsement and consensus from three other US government departments (State Department; Department of Defense; United States Agency for International Development) which ultimately improved technical and diplomatic coordination CDC and three US government departments (i) **kept health facilities in two CDG districts open and functional despite violent religious insurgency** and (ii) and directly and successfully relinked to HIV/TB care of over 200 people living with HIV after they fled their homes for safety; dramatically **reversed three consecutive years stagnant HIV program growth** (68% average retention among patients with one month in treatment, 2016—19) through a novel facility-based quality improvement platform known as “AJUDA” (86% one-month treatment retention by April 2020); **tuberculosis preventive therapy completion rates improved 23%** during a six-month period in CDC-supported provinces since 2019; EWARS surveillance system established by CDC Cyclone Response Team in 4 cyclone-affected districts ultimately expanded to entire province of Sofala (12 districts) and supported the **detection of 308 outbreak alerts** in both Sofala and Cabo Delgado Province (April—December 2019)

8/2016 –
6/2018

TECHNICAL ADVISOR
O-6 Non-Sup. Billet

Africa Centers for Disease Control and Prevention, African Union Headquarters, Addis Ababa, Ethiopia

Duties: Support the African Union in the implementation and launch of the Africa CDC; provide technical assistance to develop criteria to select and transform five African national public health institutes into Africa CDC Regional Collaborating Centers; oversee and monitor the US CDC 10 million dollar investment in Africa CDC equipment and staff to ensure USG broader objectives in Africa are realized

Accomplishments: (i) Crafted the framework to create five Africa CDC Regional Collaborating Centers; (ii) Advocated for Africa CDC to become a budgetary line item in annual African Union (AU) allocations; (iii) conceived the term “Africa CDC Surveillance and Response Unit” (ASRU) to ensure a continuum between surveillance, emergency preparedness, and response between African nations and the AU; (iv) shaped a proposal for an “African Volunteer Health Corps” (AVOHC) to be the rapid deployment force of the Africa CDC; (v) wrote the historic Africa CDC “Memorandum of Cooperation between the AU and UC CDC”; (vi) successfully represented US CDC and US government in technical partnership and engagement with the China CDC and People’s Republic of China through the development of the Africa CDC concept

Impact: (i) 54 African Heads of State and 54 African Health Ministers gave an **unprecedented unanimous endorsement of the Africa CDC** during a successful launch on 31 January 2016; (ii) (former) **US Secretary of State John Kerry signed the historic “Memorandum of Cooperation”**; (iii) the AVOHC has been invited to become part of the World Health Organization Global Outbreak Alert and Response Network, increasing African participation in this worldwide deployment mechanism; (iv) (former) **President Obama made the Africa CDC the centerpiece of the US National Security Council’s “US—China Development Strategy”**; (v) US CDC credibility and global engagement has been enhanced through at least 22 media reports or journal publications and five interviews (including three which featured LCDR Idowu as the US CDC expert)

7/2014 – **TECHNICAL LEAD**
7/2016 **O-5 Billet**

National Public Health Institute Program, Division of Global Health Protection, Center for Global Health, Centers for Disease Control and Prevention, Atlanta GA

WEST AFRICAN HEALTH ORGANIZATION (WAHO) BURKINA FASO

Duties: Provide technical assistance to WAHO (i) to establish a regional surveillance data repository and (ii) regional mechanism to deploy rapid responders through West Africa during public health events

Accomplishments: (i) recognized link WAHO’s plans to create a regional CDC to address Ebola and the African Union (AU) initiative to create an Africa CDC

Impact: (i) WAHO will be a regional partner for the Africa CDC; (ii) WAHO will use CDC technical assistance to develop protocols for cross-border personnel deployment, information sharing, and specimen transport for use during public health emergencies

MINISTRY OF HEALTH BURKINA FASO

Duties: Represent the National Public Health Institute program in country engagement visits; explain the rationale for creating a NPHI as separate from the Ministry of Health

Accomplishments: (i) Supported Burkinabe Ministry of Health in adapting the Global Health Security Agenda (GHSA) as a mechanism for Burkina Faso to achieve International Health Regulations (2005) compliance; (ii) identified opportunities for collaboration between NPHI and GHSA in Burkina Faso

Impact: Burkinabe Minister of Health invited NPHI to establish a CDC country office to support Burkinabe priorities of strengthening surveillance for influenza, meningitis, Ebola, and other communicable disease priorities; coordinating the national reference laboratory and specimen transport network, and establishing a national public health emergency operations center

DIVISION OF EMERGENCY OPERATIONS US CDC

Duties: Engage the US CDC EOC Ebola International Task Force on the National Public Health Institute program

Accomplishments: Conducted successful briefings of senior Ebola Incident Management staff, as well as Dr. Tom Frieden, former US CDC Agency Director

Impact: Provided rationale for strategic approach to place Ebola preparedness activities within broader public health system strengthening goals of a national public health institute; subsequent to this, all three

MINISTRY OF HEALTH ZAMBIA

heavily Ebola-affected countries are pursuing National Public Health Institutes (**Liberia's NPHI successfully launched in 2016**)

Duties: Design pilot project to enhance public health surveillance at the district level; review the structure of existing Ministry of Health Department

Accomplishments: (i) initiated strategic mapping conversations with senior leaders from the Zambian Ministry of Health, including the Permanent Secretary and the Ministry of Disease Surveillance, Control and Response to re-align key departments into a single NPHI; (ii) presented merits of establishing a Zambian NPHI as a novel mechanism to oversee newly-proposed HIV Impact Assessments; (iii) following engagement with external partners (e.g. World Health Organization; Zambian civil society), ensured Zambia NPHI would provide complementary not duplicative public health services; (iv) pilot district surveillance strengthening program launched in three districts

Impact: (i) obtained consensus to launch Zambian NPHI in early 2015; (ii) through strategic mapping interviews, identified five Zambian public health priorities which will form the backbone of all future public health activity inside Zambia

MINISTRY OF HEALTH GHANA

Duties: Represent the NPHI program during country engagement visits; review the structure of existing Ministry of Health Department

Accomplishments: (i) strategically linked Ebola preparations to the Ministry of Health's long-term priorities of establishing the Ghana Health Service as a NPHI program; (ii) established partnership with CDC Ghana country office staff; (iii) exercised diplomacy and leverage to engage with Norway Public Health Institute and establish plans to coordinate tri-lateral technical assistance in Ghana

Impact: (i) Potential created for fragmented, vertical surveillance programs to align under a single public health entity in order to improve data-sharing and information for public health action; (ii) encouraged development of legislative instruments that would enable codification of existing public health law

AFRICAN UNION COMMISSION

Duties: Provide technical assistance to the African Union in conceiving a public health agency which would serve the African continent; represent the US government on the Africa CDC Multinational Taskforce

Accomplishments: (i) Crafted a 48 page proposal detailing the process, form, and function of an African Centers for Disease Control and Prevention (African CDC) on behalf of the AU; (ii) Navigated the complex political dynamic of the AU in order to conduct a thorough assessment of AU regulations and procedures relevant to this new public health initiative; (iii) facilitated and guided African Union health ministerial representatives during two separate high-stakes deliberations on the vision, mission, timeline, operational framework, and implementation steps necessary to launch the African CDC; (iv) promoted the mission of the US CDC with American diplomats in the US Mission to the AU; (v) engaged with China CDC leadership to coordinate strategy for technical assistance and funding support; (vi) collaborated with the African Field Epidemiology Network (AFENET) to design an African CDC Fellowship for 10 mid-level epidemiologists to staff the African CDC Surveillance and Response Unit

**MINISTRY OF HEALTH
LIBERIA**

Impact: (i) In January 2015, African Heads of State passed a binding resolution to launch the African CDC by middle of 2015; **institution would be the first-ever public health organization on the African continent enacted by African Heads of State (and not international mandate)**; (ii) USG strategic interests strengthened by health diplomacy and technical assistance from US CDC to African Union

Accomplishments: (i) Proposed reorganization of Montserrado County Health Team Case Investigation teams for more rapid, efficient response to Ebola alerts received in dense urban context of Monrovia; (ii) Redesigned National Dispatch Center daily Ebola case reporting template; (iii) created burial case report form in order to capture case data from deceased Ebola victims

Impact: (i) Highlighted data flow gaps created by current county case investigation team work plan; (ii) 3 months after redesigning National Dispatch Center reporting template, the form is still in use and is producing actionable public health data for management of the Ebola response (tracking alerts that remain uninvestigated, documenting households that need disinfection, etc.)

7/2012 – **EPIDEMIC INTELLIGENCE**
6/2014 **SERVICE OFFICER**
O-4 Billet

National Public Health Institute Program, Division of Global Health Protection, Center for Global Health, Centers for Disease Control and Prevention, Atlanta GA

**DIVISION OF
EMERGENCY
OPERATIONS
US CDC**

Duties: Domestic responder during Middle East Respiratory Syndrome (MERS -CoV) Emergency Operations Center (EOC) activation. Assigned to State Coordination Task Force to assist with contact tracing after first domestic importation of MERS-CoV.

**OFFICE OF FOREIGN
DISASTER ASSISTANCE
WASHINGTON, DC**

Duties: Detail as CDC Syria Polio Response Liaison Officer on the Syria Response Management Team. (i) Provided polio-specific technical guidance for non-medical government officials; (ii) assisted with preparation of technical briefs and fact sheets for Department of Defense and Department of State

Accomplishments: (i) Deepened understanding US government interagency collaboration during humanitarian crises; (ii) Strengthened contextual expertise regarding the Syrian civil war and the international partners (World Health Organization, UN Children’s Fund) tasked with mitigating human suffering during the crisis

Impact: Contributed to 11 polio outbreak status briefs for United States Agency for International Development Director, OFDA Director, and for the Bureau of Democracy, Conflict, and Humanitarian Assistance

**VACCINATION
COVERAGE SURVEY
SHIMELBA, ETHIOPIA**

Duties: Project Lead in northern Ethiopia refugee camp. Designed two evaluation tools and led evaluation (2700 household survey) of children and mothers participation in the Expanded Program on Immunization

Accomplishments: Led team of 3 epidemiologists and trained 27 enumerators to conduct door-to-door interviews

MATERNAL AND NEONATAL SURVEILLANCE ZA'ATARI REFUGEE CAMP JORDAN	<p>Impact: Determined that EPI coverage rates were approximately 94% among children between 12-23 months of age; provided scientific verification that current program could provide “best practice” example to neighboring refugee camps</p>
	<p>Duties: Team Lead in northern Jordan refugee camp to address weak and inconsistent data collection with respect to maternal and neonatal indicators throughout ### person camp.</p>
	<p>Accomplishments: (i) Designed surveillance system (indicators, forms, data collection sites) to monitor access to prenatal and obstetric care for women of child-bearing age; (ii) trained 20 Za’atari providers on mortality surveillance and audit techniques; (iii) consulted Jordanian Ministry of Health officials and hospital providers to determine whether hospital-based maternal and neonatal mortality audit could link with camp surveillance system</p>
	<p>Impact: (i) Determined that 70% of Za’atari neonatal deaths were not correctly reported in weekly surveillance bulletins; (ii) neonatal mortality surveillance tools were used to review 13 deaths then convene Za’atari providers to address preventable risk factors</p>
FARCHANA REFUGEE CAMP, CHAD	<p>Duties: Applied unique research methodology to conduct neonatal mortality study in Farchana Refugee Camp. Estimate the neonatal mortality rate inside camp.</p>
	<p>Accomplishments: (i) Found that Farchana Health Information System only captured one neonatal death during study period though we estimated that at least 13 deaths occurred; (ii) Concluded that most Farchana neonatal deaths do not occur in health facility thus highlighting critical problem of increased mortality risk following discharge from health facility</p>
	<p>Impact: (i) UN Refugee Agency introduced community-based perinatal mortality surveillance into all of its refugee camps worldwide to improve detection of neonatal mortality; (ii) UN also developed perinatal and neonatal management guide for its providers to address risk factors contributing to neonatal mortality</p>
MINISTRY OF HEALTH/WORLD HEALTH ORGANIZATION SOUTH SUDAN	<p>Duties: Perform evaluation of the surveillance platform in the Republic of South Sudan on behalf of the World Health Organization</p>
	<p>Accomplishments: (i) Discovered gaps in district officer knowledge of case definitions and notifiable disease lists; (ii) fulfilled directive from international donor (European Commission) to determine how previous grant had been used to address limited readiness for disease outbreaks and seasonal disasters</p>
	<p>Impact: (i) World Health Organization successfully obtained renewal of surveillance grant from European Commission; (ii) WHO and Ministry of Health developed refresher training program to address gaps in provider knowledge</p>
COMMUNICABLE DISEASE SURVEILLANCE ZA'ATARI REFUGEE CAMP JORDAN	<p>Duties: Establish surveillance program in nascent refugee camp (Za’atari) with nine health partners for over 100,000 Syrian refugees</p>
	<p>Accomplishments: Developed outbreak response protocol for future outbreak investigations</p>

Impact: After Health Information System reporting tools were introduced, submission of weekly surveillance reports increased from 22% to 56% of Za’atari health partners between October and December 2012

USPHS AWARDS

Recognition, Honor Awards, and Service Awards

2020	
<p><u>Special Assignment Award</u> <i>PPAC Voting Member</i></p>	Completed thirty consecutive or non-consecutive days of Physician-PAC activity as an elected Voting Member
<p><u>COVID-19 Pandemic Campaign Medal</u></p>	Response efforts in support of the coronavirus disease 2019 (COVID-19) pandemic
<p><u>Unit Commendation</u> <i>2019 USPHS Symposium Planning Committee</i></p>	Successful efforts to plan and execute the 2019 USPHS Scientific and Training Symposium (Minneapolis, MN)
<p>Submitted: Outstanding Unit Citation <i>Cyclones Idai and Kenneth Response Team</i></p>	For establishing early warning surveillance and emergency response platform in Mozambique after two consecutive cyclones (Idai: Category 2; Kenneth: Category 4) devastated Sofala and Cabo Delgado provinces
<p>Submitted: <u>Global Health Campaign Medal</u> <i>President’s Emergency Plan for AIDS Relief</i></p>	Completion of 710 consecutive days for technical leadership and health diplomacy in establishing a platform for live-saving antiretroviral medications to reach people living with HIV
<p>Submitted: <u>Foreign Duty Award</u> <i>Ethiopia</i></p>	Completion of 701 consecutive days of OCONUS tour to provide oversight and technical assistance in the establishment of the Africa Centers for Disease Control and Prevention
2019	
<p><u>Unit Commendation</u> <i>Commissioned Corps Ensemble</i></p>	Outstanding professionalism and dedication to promoting the Commissioned Corps through several musical performances in 2018
<p><u>Unit Commendation</u> <i>PPAC Medical Awards Student Strike Team</i></p>	For improving recruitment efforts through their superior work in increasing the visibility of USPHS Commissioned Corps among U.S. medical students
<p><u>Unit Commendation</u> <i>PPAC Benefits Committee</i></p>	Updating, developing, and disseminating 19 Fact Sheets containing essential information on benefits available to all PHS officers and production of a benefits webinar
<p><u>Unit Commendation</u> <i>USPHS Symposium Planning Committee</i></p>	For successful efforts to plan and execute the 2016 USPHS Scientific and Training Symposium

2018	
<u>Unit Commendation</u> <i>USPHS Symposium Planning Committee</i>	For successful efforts to plan and execute the 2018 USPHS Scientific and Training Symposium (Dallas, TX)
<u>Unit Commendation</u> <i>USPHS Symposium Planning Committee</i>	For successful efforts to plan and execute the 2017 USPHS Scientific and Training Symposium (Chattanooga, TN)
2017	
<u>Ebola Campaign Medal</u> <i>USPHS Ebola Responder</i>	To recognize qualified assignment of 30 consecutive or 60 non-consecutive days in direct support of Ebola response mission in Liberia
<u>Global Response Service Award</u> <i>USPHS Ebola Responder</i>	To recognize qualified OCONUS assignment in direct support of Ebola response mission in countries of West Africa
2016	
<u>Outstanding Unit Citation</u> <i>CDC Ebola Responder</i>	For outstanding leadership, unwavering dedication, and personal sacrifices which saved countless lives and prevented a global catastrophe during the Ebola outbreak
<u>Outstanding Service Medal</u> <i>Africa CDC Technical Advisor</i>	In recognition of innovative leadership, diplomacy, and technical expertise in designing and launching a novel African organization
<u>Achievement Medal</u> <i>Epidemic Intelligence Service</i>	In recognition of exemplary leadership and technical expertise in developing and monitoring surveillance systems and in conducting scientific investigations in austere environments
<u>Presidential Unit Citation</u> <i>Ebola Outbreak Response</i>	For extraordinary courage and the highest level of performance in action to the Ebola Outbreak involving highly specialized skills in epidemiology, laboratory services, and incident management
2015	
<u>Exceptional Proficiency Promotion</u>	Nominated as a candidate for EPP to T-05 during the PY15 cycle
<u>Unit Commendation</u> <i>Ensemble (Vocalist)</i>	For exemplary participation and display of officership in preparing and executing three major performances during the spring, summer, and fall of 2014, including the COF Scientific and Training Symposium, the fourth annual concert at the National World War II Memorial in Washington, DC, and the Military Officers Association of America Annual Meeting-Community Heroes Awards Dinner Concert
<u>Presidential Unit Citation</u> <i>Ebola Outbreak Response</i>	For extraordinary courage and the highest level of performance in action to the Ebola Outbreak involving highly specialized skills in epidemiology, laboratory services, and incident management

<u>PPAC Junior Physician of the Year</u> <i>Finalist</i>	For significant contributions to the Commissioned Corps and the Agency to which officer is assigned; for demonstration of excellence and dedication to the Commissioned Corps
<u>Foreign Duty Award</u> <i>Liberia</i>	Completed over 30 consecutive days of service in a foreign post
2014	
<u>Outstanding Unit Citation</u> <i>Syria Crisis Response Team</i>	In recognition of multi-disciplinary efforts to provide direct, rapid, and significant public health support to Syria in response to a humanitarian emergency
<u>Unit Commendation</u> <i>PPAC Benefits Sub-committee</i>	In recognition of development and dissemination of 15 professional-quality fact sheets
<u>Unit Commendation</u> <i>Visibility Strike Team</i>	In recognition of facilitating the USPHS recruitment effort and significantly increasing the visibility of the Commissioned Corps
<u>Achievement Medal</u> <i>USPHS Music Ensemble</i>	In recognition of contributions as the co-Music Director for the UPHS Music Ensemble, Atlanta
<u>Special Assignment Award</u> <i>USPHS Music Ensemble</i>	In recognition of thirty consecutive or non-consecutive days of USPHS Music Ensemble activity
<u>Unit Commendation</u> <i>USPHS Music Ensemble</i>	In recognition of exemplary participation and display of officership at a variety of venues and performances
<u>Foreign Duty Award</u> <i>Chad, Ethiopia, Jordan, Kenya, South Sudan, Tanzania</i>	In recognition of over 90 non-consecutive days of service in foreign posts
<u>Foreign Duty Award</u> <i>Jordan</i>	In recognition of 30 consecutive days of service in Jordan to assist with surveillance and technical response activities
2013	
<u>Outstanding Unit Citation</u> <i>South Sudan Response Team</i>	In recognition of exceptional multi-disciplinary efforts in support of the international humanitarian response assisting refugees fleeing armed conflict in Sudan
<u>Hazardous Duty Award</u> <i>Jordan</i>	In recognition of qualifying hostile fire/imminent danger assignment in Jordan
<u>Commissioned Corps Training Ribbon</u>	In recognition of successful completion of all requirements for the Basic Officer Training Course
2012	
<u>Regular Corps Ribbon</u>	In recognition of commission into the USPHS Regular Corps

NON-USPHS HONORS & AWARDS

Centers for Disease Control and Prevention

<u>Excellence in Frontline Public Health Service</u> (2020) <i>Cyclones Idai and Kenneth Response Team Center for Global Health, US CDC</i>	In recognition of establishing an early warning surveillance and emergency response platform in Mozambique after two consecutive record-breaking cyclones devastated Sofala and Cabo Delgado provinces
<u>Director's Award, Field</u> (2017) <i>Division of Global Health Protection, Center for Global Health, US CDC</i>	In recognition of leadership and service rendered in the conception and formation of the Africa CDC initiative
<u>Director's Recognition Award, Headquarters</u> (2015) <i>Center for Global Health, Division of Global Health Protection, US CDC Finalist</i>	In recognition of leadership and service rendered in the conception and formation of the Africa CDC initiative
<u>CDC & ATSDR Honor Award</u> (2014) <i>Excellence in Emergency Response</i>	In recognition of multi-disciplinary efforts to provide direct, rapid, and significant public health support to Syria in response to a humanitarian emergency

Other Uniformed Services

<u>Female Leadership Award</u> (2015) <i>Military Health Service Finalist</i>	In recognition of successful application of professional and personal skills to the retention and advancement of female physicians
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Other Government Awards

<u>Meritorious Honor Award, Individual</u> (2020) <i>US Mission to Mozambique Department of State</i>	<i>For unusual initiative in support of the USG COVID-19 response in addition to outstanding leadership of the CDC HIV Care and Treatment Portfolio</i>
<u>Eagle Award, Group</u> (2020) <i>US Mission to Mozambique Department of State</i>	<i>For COVID-19 surveillance leadership and coordination between US government agencies</i>
<u>Meritorious Honor Award, Group</u> (2019) <i>US Mission to Mozambique Department of State</i>	For leadership in the Analyzing Joint Underperformance and Determining Assistance (AJUDA) response resulting in dramatic improvement in retention of HIV patients on treatment
<u>Appreciation Award, Group</u> (2019) <i>US Mission to Mozambique Department of State</i>	For excellent teamwork and contribution to develop an exceptional Country Operational Plan to support epidemic control of HIV/AIDS in Mozambique
<u>Meritorious Honor Award, Group</u> (2017) <i>US Mission to Ethiopia Department of State</i>	For advancing U.S. global health security initiatives through interagency collaboration for the Africa Centers for Disease Control and Prevention pilot programs
<u>Meritorious Honor Award, Individual</u> (2017)	For diplomacy and service with distinction on behalf of the United States Government at a foreign post

<i>US Mission to Ethiopia Department of State</i>

Academic Honors and Awards

<u>Minority Scholar</u> (2011) <i>Academy Health/Aetna Foundation</i>	In recognition of her efforts to advance professional career pathways for minority students ultimately increasing the diversity of the health care profession and reducing health inequities among minority populations
<u>David Satcher Public Health Scholarship</u> (2010) <i>Vanderbilt University</i>	Selected to receive a two-year scholarship for the completion of a Masters of Public Health degree program
<u>Levi Watkins, Jr. Award</u> (2008) <i>Vanderbilt University</i>	In recognition of her outstanding contributions to foster a diverse, supportive environment for minorities at Vanderbilt University School of Medicine
<u>National Medical Association Fellowship</u> (2008) <i>National Institutes of Health</i>	Selected to participate in research skills mentorship and professional development program
<u>H. William Scott Research Scholar</u> (2007) <i>Vanderbilt University</i>	Selected to receive scholarship to further the conduct of surgical clinical and basic science research
<u>Diverse Surgeons Resident Initiative</u> (2008) <i>Ethicon Endo-Surgery Institute</i>	Selected to represent Vanderbilt surgery department at competitive endoscopic surgery training program
<u>Medical Student Abstract Award</u> (2003) <i>Global Health Education Consortium</i>	Research conducted among newly arrived refugee populations was recognized as the best abstract during the 2003 GHEC annual meeting
<u>Foundation Scholar</u> (1999) <i>Kappa Gamma</i>	Merit-based academic scholarship for pursuit of university degree
<u>Regents' & Chancellor's Scholar</u> (1994) <i>Univ. of California, Berkeley</i>	Merit-based academic scholarship for pursuit of university degree

PUBLICATIONS & CONTRIBUTIONS TO THE AGENCY'S MISSION

Peer-reviewed journals

5. Gignoux E, **IDOWU R**, Bawo L, Hurum L, Sprecher A, Bastard M, Porten K. Use of capture-recapture to estimate under-reporting of Cases of Ebola Virus Disease in Montserrado County Liberia in the midst of the West African Outbreak. *Emerging Infectious Diseases* [2015 Dec; 21(12):2265-7]
4. Mwinga S, Kulohoma C, Mwaniki P, **IDOWU R**, Masasabi J, English M. Quality of surgical care in hospitals providing internship training in Kenya: a cross-sectional survey. *Trop Med Int Health*. [2015 Feb;20(2):240-9]
3. **IDOWU RT**, Carnahan R, Sathe NA, McPheeters ML. A systematic review of validated methods to capture myopericarditis using administrative or claims data. *Vaccine*. [2013 Dec 20;31 Suppl 10:K34-40]

2. Mchpheeters ML, Kripalani S, Peterson NB, **IDOWU RT**, Jerome RN, Potter SA, Andrews JC. Closing the quality gap: revisiting the state of the science (vol. 3: quality improvement interventions to address health disparities). *Evid Rep Technol Assess (Full Rep)*. [2012 Aug;(208.3):1-475. Review.]
1. Riordan WP Jr, **IDOWU R**, Austin MT, Diaz JJ. Laparoendoscopic evaluation and treatment of massive pneumoperitoneum occurring 1 year after gastrostomy tube removal. *Surg Laparosc Endosc Percutan Tech*. [2008 Dec;18(6):601-3.]

Non-peer-reviewed journals

3. Nkengasong J, **IDOWU RT**, Shawa S, Djoudalbaye B, Harakeye MG, Maiyegun O. "Establishing the Africa Centres for Disease Control and Prevention: the upside of a crisis." *Africa Health*; 2017 May.
2. **IDOWU RT**, Weavind, L. 2009. "Literature Review II." *American Society of Critical Care Anesthesiologists*. 20(3): 8.
1. **IDOWU R**, Phillips S, Guy JS. Trauma providers are not prepared for massive disasters. *Journal of Surgical Research. Abstracts of the Fifth Annual Academic Surgical Congress of the Association for Academic Surgery and Society of University Surgeons*; 2010 Feb 3-5. p. 181-2.

Concept Documents, Reports, & Policy Guidance

8. Zaghoul, A, **IDOWU RT**, Merali S, Balajee A. "Africa CDC Event-based Surveillance Framework." 10/2018.
7. **IDOWU RT** et al. "African Centers for Disease Control and Prevention Implementation Plan." 06/2015.
6. **IDOWU RT**. "African Centers for Disease Control and Prevention Concept Document." 10/2014.
5. **IDOWU RT**, Torre, L, Husain, F, Shiferaw, M, Brennan, M. "Vaccination Coverage Survey in Shimelba Refugee Camp." 11/2013.
4. Dynes, M, **IDOWU RT**. "Reproductive Health Services for Syrians in Za'atari Refugee Camp, Jordan: Strengthening Routine Surveillance and Mortality Audits." 08/2013.
3. Morof D, **IDOWU RT**, Affana, G, Blanton, G, Tomczyk, B, Cornier, N. "Using Capture-recapture Methods and Verbal Autopsy to Estimate the Incidence of Neonatal Mortality, Stillbirths, and Live Births." 02/2013.
2. **IDOWU RT**, Wamala, J, Moffett, D. "Evaluation of South Sudan Early Warning Alert & Response Network." 10/2012
1. **IDOWU RT**. "Emergency Disease Surveillance Inside Za'atari Refugee Camp." 09/2012.

PRESENTATIONS

Keynotes, Invited Lectures, Symposia, Expert Panelist, & Presentations (while in government service)

13. "Testar e Iniciar" (How improving linkage to care can improve retention of HIV patients in clinical services). **Panel speaker**. Palestra Annual em Sau´de Global da Fundo Manhia, Maputo, Mozambique, 06/2019.
12. "A changing landscape: Why Africa needs its own public health institution." **Keynote lecture**. Vanderbilt Institute for Global Health Grand Rounds, Nashville, TN, 10/2018.
11. "Developing National Public Health Institutes." **Keynote lecture**. Preventive Medicine Grand Rounds, Atlanta, GA, 11/2017.
10. "Mitigate Harm from Anti-Microbial Resistance." **Subject matter expert/panel moderator**. Africa CDC Anti-microbial resistance continental-level forum. 04/2018.
9. "Rationale for the Africa Centres for Disease Control and Prevention." **Keynote lecture**. Ghana Physicians and Surgeons Association, Atlanta, GA 04/2017.

8. "Africa CDC: Continental Early Warning System." **Scientific presentation.** Laboratory Medicine in Africa: Combatting Global Health Threats together. Africa Society for Laboratory Medicine, Cape Town, South Africa, 12/2016.
7. **Invited speaker.** African Epidemiology Network Scientific Conference. Abuja, Nigeria. 08/2016.
6. "A Career in Public Health." **Panel speaker.** Public Health Leader Spotlight in the Masters of Public Health Professional Development Series. Vanderbilt University School of Medicine, Nashville, TN, 02/2016.
5. "Expert Panel Discussion: Health Systems Strengthening Post-Ebola." **Panel speaker.** Global Health Case Competition. Vanderbilt University School of Medicine, Nashville, TN, 02/2016.
4. "A Global Health Career in the United States Public Health Service." **Keynote lecture.** Introduction to Global Public Health Course. Furman University Health Sciences Department, Greenville, SC, 10/2015.
3. "Public Health Engagement Across the Emergency Response Continuum." **Scientific presentation.** Medical Category Day. Commissioned Officers' Association/Fellowship Scientific and Training Symposium, Raleigh, NC, 06/2014.
2. "Use of Capture-recapture Methodology to Characterize the Neonatal Mortality, Stillbirth, and Live birth Rates in Farchana Refugee Camp—Chad, 2013." **Scientific presentation.** *Epidemic Intelligence Service Conference*, Atlanta, GA, 04/2014.
1. "Use of Capture-recapture Methodology to Characterize the Neonatal Mortality, Stillbirth, and Live birth Rates in Farchana Refugee Camp—Chad, 2013." **Scientific presentation. Tuesday Morning Seminar.** Epidemic Intelligence Service, Atlanta, GA, 03/2014.

Keynotes, Invited Lectures, Symposia, Expert Panelist, & Presentations (prior to government service)

8. "Disparities in access to care over three years: Patient portal usage versus outpatient care." NIH Summit on the Science of Eliminating Health Disparities Meeting. National Harbor, MD, 10/2012. (Presentation given by co-author: Osborn, CY, **Idowu RT**, Han X, Chen Q, Rosenbloom ST, Jackson GP).
7. "Healthcare Workforce Shortages: Evaluating Surgical Task-Shifting to Non-physicians in Kenya." Annual National Research Service Award Trainees Conference. Seattle, WA, 06/2011.
6. "The Fogarty International Clinical Research Program at Vanderbilt University." Keynote lecture. Teaching Skills in International Research Ethics Annual Meeting. Indiana University Center for Bioethics, Indianapolis, IN, 04/2011.
5. "Trauma providers are not prepared for massive disasters." Scientific presentation. Academic Surgical Congress. San Antonio, TX, 02/2010.
4. "Deep disparities exist in use of pediatric patient portal." Scientific presentation. American Academy of Pediatrics National Conference & Exhibition, Washington, D.C., 10/2009.
3. "Proxy surgical conditions as a surrogate measure of the global burden of surgical disease." Scientific presentation. Burden of Surgical Disease Working Group, Chicago, IL, 05/2009.
2. "The CDC diagnostic criteria do not identify burn patients at risk for ventilator-acquired pneumonia." Scientific presentation. American Burn Association, Chicago, IL, 04/2008.
1. "US refugee health policy & the self-identified needs of recently resettled refugees: A comparison study." Poster presentation. International Health Medical Education Consortium, New York City, NY, 2003.

Contributor to or featured in other media

1. "Global Outbreak Alert and Response Scenario Training Video." Subject matter expert/invited faculty of World Health Organization emergency responder course. 10/2018.
2. "U.S. will help African Union build continent-wide CDC." Subject matter expert. Modern Healthcare, 04/2015.
3. "Highway to health." Nature Magazine (04/22/2015)

4. "Vanderbilt trainee on the front line of Ebola outbreak." Vanderbilt Reporter (01/08/2015)
5. "Fogarty Fellow Dr Rachel T Idowu learns skills useful for global health career." Global Health Matters (Volume 13, Issue, 01-02/2014)
6. "She's Killing Me." Provided subject matter expertise to writers and producers for "Grey's Anatomy" episode on how to treat war-related surgical conditions in the context of the Syrian humanitarian crisis. (04/04/2013)
7. Equal Employment Opportunity Interview to encourage underrepresented minorities to pursue public health career. US CDC Community Relations Team, 08/2012.

EDUCATION, TRAINING & PROFESSIONAL DEVELOPMENT

EDUCATION

2016	American Board of Preventive Medicine	Diplomate
2010—2014	Vanderbilt University, TN, United States	M.P.H.
2000—2004	University of California, San Francisco, CA	M.D.
1994—1999	University of California, Berkeley, CA	B.Sc. Molecular Environmental Biology

RESIDENCY & FELLOWSHIP TRAINING

2015—2016	Preventive Medicine Residency/Population Health Training in Place <i>Centers for Disease Control and Prevention, Atlanta, GA</i>
2012—2014	Epidemic Intelligence Service Fellowship in Applied Public Health <i>Emergency Response & Recovery Branch, Centers for Disease Control and Prevention, Atlanta GA</i> Expertise and direct field experience in applied epidemiology (surveillance, maternal and neonatal health, vaccine-preventable diseases) in the setting of humanitarian disaster and population displacement
2011—2012	Fogarty Fellowship , National Institutes of Health <i>Kenyatta National Hospital, Nairobi, Kenya</i> Received training in design, conduct, and analysis of a surgery and anesthesia clinical investigation in a low-resource hospital setting
2009—2011	General Surgery Residency <i>Vanderbilt University Medical Center, Nashville, TN</i> Direct patient care in outpatient and inpatient general surgery for adult and pediatric populations (cardiac, thoracic, oncology, trauma, vascular, and endocrinology)
2008—2009	Anesthesia & Critical Care Medicine Fellowship <i>Vanderbilt University Medical Center, Nashville, TN</i> Direct patient care in intensive care medicine for the adult population
2009—2008	General Surgery Residency <i>Vanderbilt University Medical Center, Nashville, TN</i> Direct patient care in outpatient and inpatient general surgery for adult and pediatric populations (cardiac, thoracic, oncology, trauma, vascular, and endocrinology)

LICENSES & CERTIFICATIONS

Board Certification in General Preventive Medicine & Public Health

Diplomate of the American Board of Preventive Medicine (Specialist)
Expiration: January 2027

State of Tennessee Medical License

License # 42914
Expiration: Nov 2022

Basic Life Support for Healthcare Providers

American Heart Association
Expiration: October 2022

Advanced Cardiac Life Support for Healthcare Providers

American Heart Association
Expiration: October 2022

Department of State Security Clearance

Secret

CONTINUING MEDICAL EDUCATION

(complete CME list available upon request)

Completed 103.75 cumulative hours CME for 2017—2020. Acquired Board Certification in General Preventive Medicine and Public Health in 2016. Active and unrestricted State (TN) Medical License. BLS and ACLS certified.

- Antibiotics Stewardship
- Advanced HIV Disease and COVID-19: Intersecting Epidemics
- Advancing Patient Safety in the Outpatient Setting
- Uniformed Services University: Outreach in Tropical Medicine
- Annual Preventive Medicine Board Review Course: Epidemiology
- Annual Preventive Medicine Board Review Course: Environmental and Fundamentals of Occupational Medicine
- Annual Preventive Medicine Board Review Course: Behavior and Mental Health
- Annual Preventive Medicine Board Review Course: Clinical Preventive Medicine/Application of USPSTF Recommendations
- Preventive Medicine Grand Rounds: Population Health Systems Approaches
- USPHS Scientific and Training Symposium 2014, 2015, 2016
- Epidemiologic Methods in Complex Humanitarian Emergencies

ADDITIONAL PROFESSIONAL TRAINING

International Preceptorship in HIV and Infectious Diseases (2018)	CIAL Centro de Linguas A1 and A2 Portuguese Courses (2018)
Federal Appropriations Law (2018)	Overseas Supervisor Training (2018)
International Cooperative Administrative Support Services Executive Summary (2016)	Performance Management Appraisal System (PMAS): Performance Plan Employee and Rater Training (2016, 2018)

PMAS Appraisals Employee and Rater Training (2016, 2018)	Defensive Driving for Government Employees (2016)
Analysing Disrupted Health Systems (2015)	*Emergency Support Function #8 (IS-00808; 2015)
Foreign Affairs Counter Threat (2015)	*Hurricane Response Awareness (HUR-2012-ESF; 2015)
High-Threat Security Overseas Seminar (2015)	*Disaster Medical Information Suite (NC3080 EMR; 2015)*
Humanitarian Emergencies in Large Populations (2013)	*Psychological First Aid (2015)
110-Disaster Response (2013)	140-Preventive Medicine for Field Operations (2013)
141-Health Consequence and Response (2013)	142-Disaster Triage (2013)
180-Infectious Disease Management (2013)	182-Terrorism (2013)
183-ABCs of Bioterrorism (2013)	217-Safety & Security Awareness (2013)
Epidemiologic Methods in Complex Humanitarian Emergencies, Emory University (2013)	*FEMA Training: National Incident Management System series 100, 200, 700, 800 (2012)
Joint Humanitarian Operations Course, Office of Foreign Disaster Assistance (2013)	

**Denotes professional training or certification completed as part of Rapid Deployment Tier 1 (Team 3) responsibilities*

CAREER PROGRESSION & POTENTIAL

PHS CAREER PROGRESSION

- 2018 Geographic and programmatic transfer to **O-6 supervisory billet** (01CC232)
- 2017 Successful promotion to rank of Commander (Temp O-5; Perm O-3)
- 2016 Geographic and programmatic transfer to O-6 non-supervisory billet (01CC204)
- 2015 Selected as a candidate for Exceptional Proficiency Promotion to T-O5
- 2015 Official CC long-term training [General Preventive Medicine & Public Health residency (01CC035)]
- 2014 Programmatic transfer to O-5 Billet (01HC101)
- 2013 Change of Billet (Epidemiologist)
- 2012 Call to Active Duty as Regular Corps Epidemiologist/Public Health Science Officer (Temp O-4; Perm O-3)

PROFESSIONAL CONTRIBUTIONS & SERVICE TO USPHS

USPHS SUPPORT ACTIVITIES

Physicians Professional Association	<ul style="list-style-type: none"> • Co-Chair, Promotions Subcommittee (2019—<i>present</i>) • Member, Promotions Subcommittee (2017—<i>present</i>)
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	<ul style="list-style-type: none"> • Member, Membership Subcommittee (2014—<i>present</i>) • Member, Benefits Subcommittee (2015—<i>present</i>) • Recruiter and visibility ambassador, PPAC Excellence in Public Health Awards to honor students who have furthered public health ideals; presented award to chosen medical students during school graduation ceremonies, while in uniform (2013—<i>present</i>) • Co-Chair, Benefits Subcommittee (2015—2018) • Voting Member, (2014—2016) • Contributing editor, PPAC Quarterly Newsletter (2015—2016)
USPHS Ensemble	<ul style="list-style-type: none"> • Co-Director and Appointed Member, USPHS Ensemble Atlanta Branch (2012—<i>present</i>); performed at multiple events at CDC, Atlanta Federal Penitentiary, annual Atlanta Anchor & Caduceus Dinners, Officer Basic Training Course (to teach incoming officers the USPHS March), USPHS Scientific and Training Symposium, and local retirement/long-term care facility in Atlanta • Reviewer, USPHS Ensemble Awards Committee serving two one-year terms (2014—2015)
Response Readiness	<ul style="list-style-type: none"> • Member, Rapid Deployment Force Tier I/Team III (2015—2016; RDF <i>team service concluded due to permanent relocation to Ethiopia</i>) • Member, Tier III/Roster B and Roster E (2014—2015)
Black Commissioned Officers' Advisory Group	<ul style="list-style-type: none"> • Member, Career and Professional Development Subcommittee (Aug 2017—<i>present</i>))
Junior Officers' Advisory Group	<ul style="list-style-type: none"> • Co-Lead, Junior Officers' Advisory Group merchandise booth and Uniform Inspection Booth at COA/COF symposiums (2014—2015) • Contributing author, JOAG Winter Journal 2013, "What Happened at AMSUS 2013"
Officership	<ul style="list-style-type: none"> • Participant (prior to commissioning) at 2012 COA/COF Scientific & Training Symposium • Presenter, organizer, or moderator at several COA/COF Scientific & Training Symposiums (2013: Moderator of Epidemiology Interest Group Panel; Presenter "Humanitarian Emergency Response Across the Continuum" during Category Day; 2014: Moderator of Epidemiology Interest Group Panel; 2015: Moderator, Ebola responders panel during Category Day; 2016: Presenter "Africa CDC: Rationale for a Continental Public Health Agency" during Category Day; 2018: Committee Member, Physician Category Day) • USPHS Surgeon General's Own Vocal Ensemble member at multiple COA/COF symposiums • Completed Basic Officer Training Course (Training Ribbon awarded in 2012)
Service	<ul style="list-style-type: none"> • Service in Mission Critical Billet at US Centers for Disease Control and Prevention
Visibility	<ul style="list-style-type: none"> • Two consecutive appointments by Surgeon General to CC Music Ensemble of the USPHS (2012—<i>present</i>) • Represented USPHS in uniform during National Honor Flight Ceremony recognizing World War II Veterans (2017) • Wear uniform daily, appropriately, with pride and distinction at domestic duty station and while in attendance at national meetings, keeping decorations current and advising others on same through leading the Junior

	<p>Officers’ Advisory Group Uniform Inspection Booth in three consecutive years (2012—2015) at USPHS Scientific & Training Symposium</p> <ul style="list-style-type: none"> USPHS Ensemble as described above
Recruitment	<ul style="list-style-type: none"> Recruiter and visibility ambassador, PPAC Excellence in Public Health Awards, as described above (2013—<i>present</i>)

PROFESSIONAL ASSOCIATIONS

- Black Commissioned Officers Advisory Group of the USPHS
- Physician Professional Advisory Committee
- Commissioned Officers’ Association/Foundation (Atlanta and Overseas Officers’ Branches)
- American College of Preventive Medicine
- Kappa Gamma

TEMPORARY DUTY, INTERNATIONAL ASSIGNMENTS, & DEPLOYMENTS

Duty Station	Role, Purpose, and Dates
2018—present	
Maputo, Mozambique	Acting CDC Mozambique Country Director, 01/2021
Maputo, Mozambique	Acting CDC Mozambique Country Director, 01/2020
Maputo, Mozambique	Acting CDC Mozambique Country Director, 06/2018
Maputo, Mozambique	Branch Chief for HIV Care and Treatment, 05/2018 – present
Brazzaville, Congo Republic	Faculty, Global Outbreak Alert & Response, Full-Scale Outbreak Simulation Exercise, 04/2018
2017	
Geneva, Switzerland	Africa CDC Focal Point to the Global Outbreak Alert & Response Network, Annual Meeting of Partners, 12/2017
Kampala, Uganda	Project officer, Monitoring and evaluation visit to review cooperative agreement with African Field Epidemiology Network staff, 12/2017
Lusaka, Zambia	US CDC Technical Advisor to the Africa CDC, Consultation on formation of Africa CDC Regional Collaborating Center for southern Africa, 11/2017
Kampala, Uganda	US CDC Technical Advisor to the Africa CDC, Participant in “Science Tool Kit Training,” 08/2017
Dakar, Senegal	US CDC Technical Advisor to the Africa CDC, Presenter and Moderator for Health Information Systems Integration Workshop, 07/2017
Geneva, Switzerland	Africa CDC representative during the WHO Global Outbreak Alert and Response Network Steering Committee meeting, 06/2017

Abuja, Nigeria	External evaluator during Nigeria's Joint External Evaluation to assess its compliance with International Health Regulations, 06/2017
Abidjan, Cote de Ivoire	US CDC Technical Advisor to the Africa CDC, Pilot program consultation (Outbreak and Epidemic African Risk Insurance Facility, 03/2017
Nairobi, Kenya	US CDC Technical Advisor to the Africa CDC, Creation of African Public Health Corps, 02/2017
London, United Kingdom	Invited expert, Global Outbreak and Response Network planning committee, 02/2017

2016

Zanzibar, Tanzania	US CDC Technical Advisor to the Africa CDC, Develop Africa CDC EOC Operations Manual, 12/2016
Cape Town, South Africa	Invited speaker, Early warning and response at the continental level, 12/2016
Aberdeen, Hong Kong	US CDC representative, Engage World Health Organization leaders, 11/2016
Nairobi, Kenya	US CDC Technical Advisor to Africa CDC, Africa CDC strategic planning, 11/2016
Shanghai, China	Invited speaker, International Association of National Public Health Institutes Africa Day, 10/2016
Addis Ababa, Ethiopia	US CDC Technical Advisor to the Africa CDC, Permanent Change of Station, 08/2016
Abuja, Nigeria	Team Supervisor, Africa CDC Knowledge Attitudes and Practice Data Collection, 08/2016
Addis Ababa, Ethiopia	US CDC Technical Advisor to Africa CDC, Creation of an Emergency Operations Center, 06/2016
Oklahoma City, OK	Invited speaker at Category Day, USPHS Scientific & Training Symposium, 05/2016
Addis Ababa, Ethiopia	Project Lead, US CDC representative, Launch of the Africa CDC Fellowship, 02/2016-05/2016
Monrovia, Liberia	Project Lead, US CDC representative, Liberia NPHI Development, 01/2016
Lusaka, Zambia	NPHI Program representative, Zambia Ministry of Health NPHI Development, 01/2016
Monrovia, Liberia	NPHI Country Lead, Liberia Ministry of Health NPHI Development, 01/2016

2015

Addis Ababa, Ethiopia	Project Lead, US CDC representative, Africa CDC implementation, 12/2015
Addis Ababa, Ethiopia	Project Lead, US CDC representative, Africa CDC implementation, 11/2015
Abuja, Nigeria	NPHI Program representative, West African Health Organization, 08/2015
Atlanta, GA	Category Day Presenter and Coordinator, JOAG Uniform Inspection Booth Coordinator, USPHS Scientific & Training Symposium 05/2015
Accra, Ghana	NPHI Country Lead, Ghana Ministry of Health NPHI Development, 05/2015
Addis Ababa, Ethiopia	Project Lead, US CDC representative, Africa CDC implementation, 05/2015
Addis Ababa, Ethiopia	Project Lead, US CDC representative, Africa CDC implementation, 04/2015
Addis Ababa, Ethiopia	Project Lead, US CDC representative, Africa CDC implementation, 03/2015
Lusaka, Zambia	NPHI Program representative, Zambia Ministry of Health NPHI Development, 02/2015
Accra, Ghana	NPHI Country Lead, Ghana Ministry of Health NPHI Development, 02/2015
Bobo Diolassou, Burkina Faso	NPHI Program representative, West African Health Organization, 02/2015
Ouagadougou, Burkina Faso	NPHI Program representative, Burkinabe Ministry of Health, 02/2015
Addis Ababa, Ethiopia	Project Lead, US CDC representative, African Union Permanent Representatives Council, 01/2015

2014

Lusaka, Zambia	NPHI Program representative, Zambia Ministry of Health NPHI Development, 12/2014
Accra, Ghana	NPHI Country Lead, Ghana Ministry of Health Ebola Preparedness, 11/2014
Addis Ababa, Ethiopia	Project Lead, US CDC representative, African CDC Taskforce Meeting, 10/2014
Addis Ababa, Ethiopia	Project Lead, Crafted vision for an African Centers for Disease Control and Prevention, 09/2014
Monrovia, Liberia	Epidemiologist, Ebola Epidemic Response, 08—09/2014
Raleigh, NC	JOAG Uniform Inspection Booth Coordinator, USPHS Choral Member, USPHS Scientific and Training Symposium 06/2014
Washington, DC	Polio Liaison, Office of Foreign Disaster Assistance, US Agency for Int'l Development, 01/2014

2013

Shimelba, Ethiopia	Project Lead, Vaccination Coverage Survey, Shimelba Refugee Camp, 11/2013
Mafraq, Jordan	Project Lead, Maternal and Neonatal Mortality Surveillance, Za'atari Refugee Camp, 8—9/2013
Kasulu, Tanzania	Project Developer, Neonatal Mortality Survey and Verbal Autopsies, 07/2013
Glendale, AZ	JOAG Uniform Inspection Booth Coordinator, Epidemiology Interest Group Moderator, USPHS Choral Member, USPHS Scientific & Training Symposium, 05/2013
Farchana, Chad	Team Member, Neonatal Mortality Survey and Verbal Autopsies, 03/2013

2012

South Sudan	Project Lead, Evaluation of South Sudan Early Warning Alert & Response, 11—12/2012
Mafraq, Jordan	Project Lead, Emergency Disease Surveillance, Za'atari Refugee Camp, 9—10/2012
Washington, DC	Category Day Participant, USPHS Scientific & Training Symposium, 05/2012 (<i>attended before officially receiving commission because of my passion for USPHS</i>)

PRIOR PROFESSIONAL EXPERIENCE (prior to joining USPHS)

07/2011-06/2012 **Fellow, National Institutes of Health**

Fogarty/Ellison Overseas Fellowship in Global Health and Clinical Research Training

Nairobi, Kenya

Major Responsibilities

- Identified research study sites (district hospitals) to conduct comprehensive facility and human resource assessment of surgical and anesthesia services
- Enrolled >280 surgical patients in cross-sectional study to follow immediate postoperative course prior to discharge
- Developed collaborative partnership with Kenya Medical Research Institute (KEMRI) researchers
- Engaged with senior Ministry of Medical Services officials to determine ideal process for building trust with district hospital superintendents
- Trained two Kenya research nurses to use mobile electronic data capture platform

Accomplishments and Impact

- Identified infrastructure limitations as primary reason for operative delays at study hospitals

- Observed that provision of emergency obstetric services frequently extended hospital length of stay for general surgery patients waiting for their elective operations to take place
- Successfully introduced novel web-based research design software and mobile electronic data capture platform to KEMRI researchers
- Planned and managed a \$25,000 research grant from the National Institutes of Health

12/2010-09/2011 ***Intern, Masters of Public Health Practicum***

Vanderbilt Institute for Medicine & Public Health, Nashville, Tennessee

Major Responsibilities

- Conducted two systematic reviews on critical topics relevant to health care delivery in the United States of America
 - Quality improvement strategies to as a mechanism to reduce healthcare disparities
 - Administrative claims data review to capture myopericarditis events following vaccination

Accomplishments and Impact

- Systematic review findings were presented to the Agency for Healthcare Research and Quality
- Findings will be incorporated into broader US Food and Drug Administration initiative to determine best mechanism for identification of adverse post-vaccine drug events using administrative and claims health records throughout the United States

02/2011-06/2012 ***Student Representative, Public Health Diversity Committee***

Vanderbilt University School of Public Health, Nashville, Tennessee

Major Responsibilities

- Invited to be sole student representative on an academic standards committee focused on improving the content and tone of Vanderbilt School of Public Health curriculum
- Reviewed and selected from national pool of faculty candidates who be the invited speaker at the annual David Satcher lecture at Vanderbilt University School of Medicine and School of Public Health in 2011 and 2012

Accomplishments and Impact

- Provided concrete suggestions on formats that could be offered in subsequent academic year that would strengthen coverage of public health topics affecting under-represented minorities

07/2009-06/2010 ***President, Minority House staff for Academic & Medical Advancement at Vanderbilt*** (MHAMA)

Vanderbilt University School of Medicine, Nashville, Tennessee

Major Responsibilities

- Set strategic vision to promote professional development, mentorship, and enhanced recruitment of minority residents into the >90 VUSM residency and fellowship programs
- Designed and launched the inaugural "Second-Look Weekend" (SLW) for minority candidates contemplating matriculation into a Vanderbilt training program, 02/2010
- Planned and managed an ~\$30,000 annual budget

Accomplishments and Impact

- Following the inaugural SLW, during the next academic year, VUSM professional community increased under-represented minority presence in Vanderbilt training programs from approximately 5 to 18 new residents and fellows, 07/2010

07/2008-06/2009 Vice-President, Minority House staff for Academic and Medical Advancement at Vanderbilt

Vanderbilt University School of Medicine, Nashville, Tennessee

Major Responsibilities

- Provided leadership in gathering under-represented minorities in the VUSM professional community to become active in the MHAMA organization
- Promoted importance and raised awareness of the mentorship gap that existed between Vanderbilt faculty from under-represented minorities and the minority residents/fellows

Accomplishments and Impact

- Developed and established a formal mentorship program for Vanderbilt minority house staff
- Recruited 21 VUSM faculty members to mentor VUSM minority residents and fellows

07/2007-06/2009 Member, Human Resource Issues in a Pandemic Committee

Vanderbilt University Medical Center (VUMC), Nashville, Tennessee

Major Responsibilities

- Served as the sole house staff representation for committee tasked with preparing hospital staffing contingency plans in event of significant epidemic or pandemic (e.g. influenza) that would impact Middle Tennessee
- Developed expertise in assessing and adjudicating ethical issues during periods of health care rationing
- Developed expertise in creating triage guidelines for use after mass casualty event

Accomplishments

- Assisted with survey development to assess hospital staff pandemic awareness and readiness

07/2007-06/2009 Member, Disaster Preparedness Committee

Vanderbilt University Medical Center, Nashville, Tennessee

Major Responsibilities

- Evaluated VUMC staff performance during disaster drill exercises
- Participated in Incident Command planning sessions and drills for VUMC
- Reviewed VUMC Emergency Operations protocols for mass casualty incidents

Accomplishments and Impact

- Invited to meet with paramedics and first responders at Nashville Fire Department stations to evaluate their readiness for mass casualty incidents
- Successful execution of two hospital-wide mass casualty exercises

TEACHING EXPERIENCE (prior to and within USPHS service)

04/2020	Faculty Lecture “The Role of the US CDC as a National Public Health Institute During COVID-19” Vanderbilt School of Medicine Nashville, Tennessee
02/2020	Faculty Lecture “The Case for National Public Health Institutes” Vanderbilt School of Medicine Nashville, Tennessee
11/2018	Faculty Instructor “Global Alert and Outbreak Response Network Orientation to International Outbreak Response ” Maputo, Mozambique
10/2018	Faculty Lecture “The Case for National Public Health Institutes” Vanderbilt School of Medicine Nashville, Tennessee
04/2018	Faculty Instructor “Global Alert and Outbreak Response Network Full-Scale Outbreak Simulation Exercise ” World Health Organization Congo-Brazzaville
01/2018	Instructor and Small Group Facilitator “Surveillance overview: Key indicators tracked during emergencies to monitor effectiveness of response” Africa CDC Mobile Responder Training Addis Ababa, Ethiopia
11/2015	Invited Lecturer Furman University Greenville, South Carolina
03/2014	Instructor and Small Group Facilitator “Epidemiology in Complex Humanitarian Emergencies” Emory Rollins School of Public Health Atlanta, Georgia
04/2013	Small Group Facilitator “Epi in Action” Course Emory University Rollins School of Public Health Atlanta, Georgia
03/2013	Small Group Facilitator “Epidemiology Methods in Complex Humanitarian Emergencies” Emory University School of Public Health

Atlanta, Georgia

07/2008— **Instructor, Fundamentals of Critical Care**

06/2009 Vanderbilt University School of Medicine

Nashville, TN

CIVIC AND COMMUNITY ACTIVITIES

07/2020—present **Diversity Council** (US Mission Mozambique; volunteer position to promote inclusion and address issues of racial and ethnic discrimination among American expatriates living in Mozambique)

01/2015—6/2016 **Covenant House** (Support for homeless youth through shelter and job mentoring, Atlanta, GA)

10/2015 **Atlanta Commissioned Officers' Association** (Project Med Share to distribute surplus domestic medical supplies to low-resource countries around the world, Atlanta GA)

RESEARCH GRANTS

1. Principal Investigator, Fogarty International Clinical Research Fellowship, National Institutes of Health Fogarty International Center, (Amount Awarded: \$25,000), Date Awarded: 07/2011

RELATED SKILLS

1. Advanced user (StataCorp statistical software)
2. Intermediate Portuguese (Completed over 300 hours of Portuguese language instruction since 10/2018)
3. Beginning Kiswahili
4. Beginning Spanish
5. Beginning French

REFERENCES

Please notify me before contacting any of these individuals

1. Dr. Jay Varma, Former US CDC Senior Technical Advisor to Africa CDC, US CDC, Center for Global Health; jcv9@cdc.gov
2. Ms. Shelly Bratton, NPHI Program Lead, US CDC, Center for Global Health; bwp8@cdc.gov
3. Ms. Suzanne Theroux, Deputy Director, US CDC country office in Nigeria; hba6@cdc.gov