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Executive Summary

The Old Dominion University Center for Global Health continues to establish a strong local and international presence in 2015. The Center is the academic home for many public health practitioners who serve as core, adjunct or joint faculty members. The faculty body of the center, like the students, represents a great cultural and ethnic diversity from many countries around the world. In 2016, the Center for Global Health increased its presence in the community with new initiatives such as the Zika Mosquito Summer Project, Global Health Heroes Program, and the National Institute of Drug Abuse Educational Event. The center also supports its faculty and students in pursuing interdisciplinary opportunities in scholarly activities, service and workforce development. The center aims to maintain the highest quality of global health experience for its students, and to benefit the local, regional and international communities in meeting the global public health challenges of today and in the future.
Center for Global Health Vision, Mission, and Core Values

VISION
The Center for Global Health’s vision is to improve people’s health and quality of life on a local and global basis by leveraging Hampton Roads’ unique strengths in education, research, and outreach.

MISSION
Our mission is to positively impact health and well-being through collaborations among faculty, students, communities, and other partners.

CORE VALUES

Health Equity
Health equity is the guiding principle for the Global Health Center. We aspire for all persons to have the opportunity to attain optimal health and for no one to be disadvantaged by social, political, economic, and/or cultural limitations.

Inclusiveness
ODU’s Center for Global Health values inclusiveness, thereby promoting an environment for teaching, learning, practice, and research that facilitates the accomplishments of diverse persons. We strive to take into account different needs and strengths of individuals from diverse backgrounds. We seek to advance global health through global collaborations and partnerships that transcend cultural borders.

Interdisciplinary
We espouse an interdisciplinary approach to teaching, learning, practice, research, and service. We cultivate and promote interdisciplinary collaborations across campus, as well as collaborations with other institutions and communities, to improve health both locally and abroad.

Knowledge-driven
ODU’s Center for Global Health only generates end-products that are grounded in the principles of scientific rigor and evidence-based knowledge.
1. Accomplishments

1.1 PARTNERSHIPS AND COLLABORATIONS

Previous Partnerships and Collaborations

- **ABUKLOI** - Collaboration on capacity building and service activities in South Sudan
- **Bon Secours Health System, Inc.** – Memorandum of Understanding (MOU) with Bon Secours Health System, Inc. for workforce development and training
- **City of Virginia Beach** – MOU with the City of Virginia Beach on the Let's Move Project
  - Virginia Beach Department of Health
  - Virginia Beach Park and Recreation
- **Colleagues in Care** - Collaboration on new battery technology development for blood pressure monitor
- **Eastern Virginia Medical School** - Collaboration with EVMS on M. Foscue Brock Institute for Community and Global Health and Masters of Public Health Program
- **LifeNet** – MOU with LifeNet for internship scholarship opportunities
- **Operation Smile** - MOU with Operation Smile for research and teaching activities
- **Physician for Peace** - MOU with Physician for Peace for research and teaching activities
- **University of Fortaleza, Brazil (UNIFOR)** – Collaboration with UNIFOR for Interprofessional study abroad course in Brazil

New Partnerships and Collaborations

- **Chesapeake Department of Health** - MOU with Chesapeake Department of Health on students’ practicums and internships coordination
- **Ghent Montessori School** - Collaboration with Ghent Montessori school to implement the NIDA drug education toolkit
- **Horizons Hampton Roads** - Collaboration with the Horizons program to implement the global health heroes’ educational toolkit
- **Norfolk Department of Public Health** - Norfolk Department of Public Health to provide a service learning opportunity for students and community members to help support mosquito surveillance and source reduction efforts in Norfolk, VA.
1.2 RESEARCH AND SERVICE

1.2.1 Projects

Zika Mosquito Control Summer Project

- ODU’s Lead Team: Ms. MyNgoc Nguyen, Drs. Muge Akpinar-Elci, Janice Hawkins
- EVMS Partner: Dr. Brian Martin, Director of MPH program
- Norfolk Department of Public Health Partners: Dr. Demetria Lindsay, Health Director, Norman Grefe, Environmental Health Manager, George Khan, Vector Control Supervisor.

To reduce the risk of human transmission of the virus in the Hampton Roads region, the Old Dominion University Center for Global Health has partnered with the Norfolk Department of Public Health (NDPH) and the Eastern Virginia Medical School (EVMS) Graduate Program in Public Health to create a service learning opportunity in vector control called the Zika Mosquito Control Summer Project. The project was implemented from June 2016 to August 2016. The Center for Global Health recruited a total of 10 students from ODU and EVMS to participate in the project. To cover the height of the mosquito season, the students worked over two five-week sessions. These sessions offered the students an opportunity to work closely with mosquito control specialists from the Norfolk Department of Public Health to learn about the fundamentals of mosquito control and surveillance. Students learned about the Integrated Vector Management (IVM) mosquito program, which places an emphasis on source reduction surrounding potential vectors of Zika virus such as the Aedes albopictus mosquitoes. Another learning activity involved working with a vector control biologist from the public health department in field and lab work. The field work involved setting mosquito traps so that the mosquitoes could later be identified at the species level in the vector control laboratory. The students were also given an opportunity to work with vector control specialists in conducting backyard mosquito inspections. During this activity, students were able to engage in mosquito habitat identification and community education. Other activities involved working with the epidemiology office at the NDPH to learn how reported infectious diseases are handled within the city. The Zika Mosquito Control Summer Project provided an avenue for students to engage in a service learning project that not only furthered their educational goals but also offered them an opportunity to support local mosquito control and surveillance efforts.

Global Health Heroes
Global Health Heroes was a collaboration between the Center for Global Health and Horizons Hampton Roads in Virginia Beach, VA. Horizons offers enriching summer programs to students to inspire them to strive for a well-rounded, successful future. The program was targeted towards low-income, elementary students. The purpose of Global Health Heroes was to teach students about global health and each individual’s responsibility to the earth, which makes each person a global citizen. In late July 2016, the center designed an illustrative Power Point presentation to teach students the fundamentals of global health and fun, interactive games to reinforce learning. The Power Point presentation addressed scenarios for communicable illnesses, nutrition, and prevention strategies. One of the goals of the presentation was to ensure students understood that there are no boarders in health. Health diseases and concerns are all over the globe, including in their own homes and communities. That is why it’s so important to practice and promote good health in hopes to collectively improve health worldwide. Students played a nutritional card matching game to learn more about positive nutritional habits and to practice memory skills. There was also “Catch-A-Sneeze”, a game where students caught balls (sneezes) with their inner elbows instead of their hands. Students also played “Sink-A–Germ”, where they threw balls (germs) into baskets labeled with reasons to wash hands like: after playing outside, interacting with a pet, before eating and after using the bathroom. Lastly, the students ended the program with a poster session and exhibition titled “What It Means to Be a Global Health Hero”. Students were awarded t-shirts and certificates to signify their commitment to themselves, their community and their world.

**HealthWISE**

- ODU’s Lead Team: **Drs. Muge Akpinar-Elci, Olaniyi Olayinka, James Blando**
- WHO/Pan American Health Organization Partner: Dr. Julietta Rodriguez-Guzman
- Bon Secours Health System Partner: Dr. Jeff Doucette, Regional Vice President, Clinical Services & Chief Nurse Executive; Mr. Jim McNamara, Vice President Rehab/Sports Med/Occupational Med

In 2014, a joint team of World Health Organization and the International Labour Organization launched HealthWISE as a low-cost way to improve working conditions in healthcare settings. In 2016, the Old Dominion University Center for Global Health in partnership with Bon Secours Health System, Virginia, piloted the first HealthWISE
training in the United States at Mary Immaculate Hospital in Newport News. The project was funded by the Pan American Health Organization/World Health Organization.

**Transportation and Health**

- ODU’s Lead Team: Dr. Muge Akpinar-Elci, Dr. Olaniyi Olayinka, Ms. MyNgoc Nguyen
- Community Partner: Judy Brown (Hampton Roads Public Transportation Alliance), Michael Robinson (VMASC Center for Innovative Transportation Solutions)

To bring experts in the fields of transportation and health to Old Dominion University (ODU) to discuss key issues from a two-day webinar from the National Academy of Sciences, the ODU Center for Global Health with help from community partners, hosted a discussion forum on the intersection of transportation and health in Hampton Roads. This event led to the creation of a working group where members can discuss potential research or community projects related to transportation and health in Hampton Roads and in the United States.

**Gaming Against Drug Abuse Program**

- ODU’s Lead Team: Drs. Muge Akpinar-Elci, Olaniyi Olayinka; Ms. MyNgoc Nguyen, Ms. Savannah Hall
- Community Partner: Ghent Montessori Middle School

In observance of the National Drug and Alcohol Facts Week, the Center for Global Health staff visited Ghent Montessori Middle School to educate middle-schoolers on how drugs and alcohol can adversely affect the human body and the benefits of making smart decisions about drugs. The event focused on the use of prescription drugs, New Psychoactive substances (NPS) and alcohol. A fun and interactive jeopardy game was used to test the knowledge of the students while shattering the myths of drug use. Students were given a brief presentation regarding key points about prescription drugs and NPS prior to the trivia game to further emphasize the objective of the game. Next, students were broken down into teams and asked questions regarding prescription drugs and NPS. The center gave students factsheets, provided by NIDA, which had answers to the jeopardy questions. This helped facilitate teamwork/collaborative environment where students were able to discuss among themselves and work through the trivia questions before providing a team response. Additionally, the fact sheet reinforced the student’s learning and helped increase their understanding of the different types of drugs. The educational event was overwhelmingly popular among the young students and teachers.

**Drug-related Distribution of Non-Violent and Violent crimes around Old Dominion University**
ODU’s Lead Team: **Drs. Olaniyi Olayinka, Michele Kekeh; Ms. MyNgoc Nguyen, Ms. Angelica Walker**

Community Partner: ODU Police Department

To assess the relationship between crime rates and drug distribution around the ODU campus, the Center for Global Health has worked with the ODU university police department to collect and analyze crime recent crime data.

**Let’s Move: A Program Evaluation for the Virginia Beach Department of Public Health and the Virginia Beach Department of Parks and Recreation.**

- ODU’s Lead Team: **Drs. Muge Akpinar-Elci**, Maureen Boshier
- City of Virginia Beach Partners: Dr. Heidi Kulberg, Health Director, and B. Lito, CPRP, Recreation Supervisor, City of Virginia Beach Parks and Recreation Out of School Time Program

The ODU Center for Global Health continued to collaborate with VB Heath Department and Park & Rec for the Let’s Move Project. The Let’s Move Virginia Beach (LMVB) healthy eating and physical activity intervention was developed by the Virginia Beach Public Health and Parks and Recreation Departments to combat childhood obesity. To counteract the apparent decline in healthy behaviors in adulthood, children ages 5 to 11 in the after-school program were targeted for an intervention. The desired behavior changes for the LMVB intervention included 1) reduced sugared beverage consumption, 2) choosing correct portions and foods from the myPlate.gov food groups, and 3) increased physical activity. Each LMVB lesson included a short lecture, a relay race to reinforce the lesson concepts, and physical activity in the form of dancing. Every child received an item to take home (e.g., a water bottle to reinforce drinking water instead of sugared beverages) and a letter for parents with the lesson concepts and recommendations for behavior motivation and change.

**Abukloi and South Sudan**

- Lead Team: **Drs. Muge Akpinar-Elci**, Gail Grisetti

To assist Abukloi with strengthening their health education systems, the ODU Center for Global Health prepared a health education tool kit for secondary school teachers in South Sudan. It was recommended that the most effective method to implement health education within the Abukloi School would be to integrate a health education course into the required curriculum beginning at the 9th grade level. Depending on the current teaching model used, the health education course was included as a regularly scheduled class or an elective. Students were taught by their current teachers. A public health professional trained educators and gave them the necessary information to make a lesson plan for the students. This education tool has been implemented last year and we received good comments from the teachers and students about the modules.

**College of Health Sciences Interprofessional Education**
The ODU Center for Global Health participated in the evaluation of the 2016 College of Health Sciences’ Interprofessional Education Activities. The center also developed a study abroad course on IPE focus.

1.2.2 Publications

*Peer reviewed journal article*


**Book Chapter**


**Technical Reports**

- Olayinka O, Akpinar-Elcı M. Healthcare: Diabetes, Hypertension, & Obesity with special focus on First-Level Outreach Program for African Americans in Hampton Roads - Collaborative work between The Center for Global Diplomacy and Center for Global Health. Norfolk, VA: Old Dominion University; 2016.


- Kekehr M. Center for Global Health Strategic Plan Evaluation. Norfolk, VA: Old Dominion University; 2016.

**1.2.3 Presentations**

(* Our students are the presenter

- Nguyen MT, Hall S. Prescription Drug Abuse in the US. National Drug Education Week; 2016 Jan; Ghent Montessori, Norfolk, VA.

- Olayinka O, Hall S. Synthetic Drugs and Marijuana. National Drug Education Week; 2016 Jan; Ghent Montessori; Norfolk, VA.

- Akpinar-Elcı M. Drug, Alcohol and Global Health. National Drug Education Week; 2016 Jan; Ghent Montessori; Norfolk, VA.


Blando J, Nguyen MT, Sheth-Chandra M, Akpinar-Elci M. Virginia Air Quality: Trends, Exposure, and Respiratory Health Impacts. 27th Annual VMI Environment Virginia Symposium; 2016 Apr; Lexington, VA.

Nguyen MT, Akpinar-Elci M. Framework for Understanding Factors that Impact Asthma Control in Adults. Virginia Public Health Association Annual Career Fair and Research Expo; 2016 Apr; Norfolk, VA.

Nguyen MT, Akpinar-Elci M, Blando J, Olayinka O. Access to Care for Children in Post Disaster Recovery. Old Dominion University Graduate Research Achievement Day; 2016 Apr; Norfolk, VA.

Akpinar-Elci M. Air Pollution Doesn’t Recognize the Border: Global Perspective of air pollution. Meet the Professor seminars, International American Thoracic Society Meeting, 2016 May; San Francisco, CA.

Nguyen MT. Global Health at ODU. Moldovan Delegation at Old Dominion University; 2016 May; Norfolk, VA.

Nguyen MT. Eportfolios for Global Health. EP3 Professional Development Workshop; 2016 May; Norfolk, VA.

Olayinka O. Introduction to Global Health. Chesapeake Bay Academy; 2016 Jul; Virginia Beach, VA.

Nguyen MT. Educational Activities to Promote Global Health in Children. Chesapeake Bay Academy; 2016 Jul; Virginia Beach, VA.

(*) Walker A, Nguyen MT. Global Health Heroes Program. Chesapeake Bay Academy; 2016 Jul; Virginia Beach, VA.

Olayinka O. Healthcare: Diabetes, Hypertension, & Obesity with Special Focus on First-Level Outreach Program for African Americans in Hampton Roads. Center for Global Diplomacy and ODU; 2016 Jul; Norfolk, VA.

Olayinka O. Global Health and Non-Communicable Diseases. Lecture Series for Undergraduate Students, Community and Environmental Health Program; 2016 Oct; Old Dominion University; Norfolk, VA.

Akpinar-Elci M, Boshier M, Lito B. A Let’s Move Virginia Beach: A VA Beach Parks and Recreation collaborative project to impact obesity in school age children. Virginia Recreation and Park Society Annual Conference; 2016 Nov; Roanoke, VA.

American Public Health Association (APHA) Annual Meeting & Expo; 2016 Nov; Denver, Colorado.


### 1.2.4 Funding (Submitted or Funded)

- Karen Karlowicz (PI). Christianne Fowler, Juan Du, **Manasi Sheth-Chandra** (Co-PI). An Examination of Policy Application and Education Needs of Working Dementia Caregivers. Alzheimer’s and Related Diseases Research Award Fund; 7/1/2015 – 6/30/2016. $25,500 USD (Funded)

- **Akpinar-Elci M** (PI), **Olayinka O** (Co-PI). HealthWISE: Improving Working Conditions for Health workers in Virginia. WHO/PAHO Special Program of Sustainable Development and Health Equity SDE; 2016. $4,000 USD (Funded)

- **ODU Center for Global Health.** LifeNet Health Internship scholarship. Virginia Beach, VA: LifeNet; 2016 - $1,000 USD (Funded)

- **Nguyen MT, Akpinar-Elci M.** Graduate Program Recruitment Grant. Norfolk, VA: Old Dominion University; 2016. $500 USD (Funded)

- **Nguyen MT.** EP3 Professional Development Workshop. Norfolk, VA: Old Dominion University Center for High Impact Research; 2016. $500 USD (Funded)

- **Nguyen MT.** Beyond EP3 Professional Development Workshop. Norfolk, VA: Old Dominion University Center for High Impact Research; 2016. $400 USD (Funded)

- **Olayinka O (PI), Kekeh M (Co-PI).** Open Educational Resources Mini-Grant. Norfolk, VA: Old Dominion University Center for learning and Teaching (CLT); 2016. (Not funded)

- **Akpinar-Elci M (PI), Olayinka O (Co-PI), Nguyen MT (Co-PI), Kekeh M (Co-PI).** Climate and health. New York, NY: Fulbright Scholar Program. Bureau of Educational and Cultural Affairs, US. Department and the Institute of International Education; 2016. (Not funded)

- **Akpinar-Elci M (PI), Nguyen MT (Co-PI), Olayinka O (Co-PI).** A Community Participatory Approach to Zika-Related Mosquito Control Program and Outreach in Norfolk, VA. Norfolk, VA: Dominion Higher Educational Partnership Grant; 2016. $50,000 USD (Not funded)

- **Akpinar-Elci M (PI), Maureen Boshier, Matthew Hoch, Heidi Kulberg, Barbara Lito, Olayinka O (Co-PI).** Virginia Beach Let’s Move Afterschool Program to
Prevent Childhood Obesity. National Institutes of Health; 2016. $300,000 USD (Not funded)
2 Teaching

Global Health Certification Program

The Center for Global Health launched the first classes for the Graduate Certificate in Global Health on August 20, 2014. This competency-based certificate program aims to provide comprehensive training in Global Health. The online Graduate Certificate in Global Health offers major benefits to many professionals within healthcare, engineering, life sciences, education, business and the liberal arts. The certificate program was designed as an online program for graduate students and professionals who are practicing or plan to practice in a worldwide setting. Graduates of the Global Health Certificate can expect to find employment in a variety of fields including health-related governmental/non-governmental organizations, university research programs, international healthcare consultancies, and multinational corporations. Students can complete this online certificate program in one year.

In 2016, 10 students enrolled in the Global Health Certificate program in the College of Health Sciences at ODU. Seven students completed the global health certificate entry survey. The survey provided general demographics, interests and goals, to name a few about the cohort of students. Five students completed the certificate program in 2016.

2.1 COURSES: GLOBAL HEALTH COURSES DEVELOPED AND OFFERED (FALL 2016, SPRING 2016, SUMMER 2016)

- HLSC 746. Epidemiology – Olaniyi Olayinka, MBChB (MD), MPH
- HLSC 776. Global Health – Muge Akpinar-Elci, MD, MPH; MyNgoc Nguyen, MS
- HLSC 702. Health Management – Maureen Boshier, PhD
- HLSC 785. Issues and Opportunities in Global Health Research – Manasi Sheth-Chandra, PhD/ Olaniyi Olayinka, MBChB (MD), MPH
- HLSC 778. Global Environmental Health – Muge Akpinar-Elci, MD, MPH
- HLSC 798. Supervised Research – Olaniyi Olayinka, MBChB (MD), MPH
- HLSC 768. Practicum in Global Health course - Olaniyi Olayinka, MBChB (MD), MPH; Muge Akpinar-Elci, MD, MPH
- HLSC 705/805. Interprofessional Study Abroad on Global Health – Muge Akpinar-Elci, MD, MPH
2.2 INTERNSHIPS

<table>
<thead>
<tr>
<th>Student</th>
<th>Degree Program</th>
<th>Semester</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frezette Ackah</td>
<td>BS (ODU)</td>
<td>Spring 2016</td>
<td>MyNgoc Nguyen</td>
</tr>
<tr>
<td>Rudy Heill</td>
<td>BS (ODU)</td>
<td>Spring 2016</td>
<td>Olaniyi Olayinka</td>
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<tr>
<td>Angelica Walker</td>
<td>BS (ODU)</td>
<td>Summer 2016</td>
<td>MyNgoc Nguyen</td>
</tr>
<tr>
<td>Lorenza West</td>
<td>BS (ODU)</td>
<td>Summer 2016</td>
<td>MyNgoc Nguyen</td>
</tr>
<tr>
<td>Donna Clark</td>
<td>BS (ODU)</td>
<td>Fall 2016</td>
<td>MyNgoc Nguyen</td>
</tr>
</tbody>
</table>

2.3 ADVISING OF STUDENTS

- Bartholmae M. (ODU, PhD in Health Services Research), re: PhD dissertation - Addressing a global issue: Childhood Obesity (Spring 2015 – Spring 2016). Dissertation Committee Chair: Dr. Muge Akpinar-Elci; Committee members: Drs. Matthew Hoch, Maureen Boshier.
- Claiborne D. (ODU, PhD in Health Services Research), re: PhD dissertation - Application of a Theory-based Educational Intervention to Increase Frequency in Performing Oral Health Assessments on Children among Pediatric Nurse Practitioners and Nurses (Fall 2015 - Fall 2016). Dissertation Committee Members: Drs. Susan Daniels, Muge Akpinar-Elci, Linda K. Bennington
- Crosby M. (ODU, PhD in Health Services Research), re: PhD dissertation – Using Rural Location as a Predictor for Health Care Utilization (Fall 2015 – Fall 2016). Dissertation Committee Members: Drs. Robert Cramer, Bonnie Van Lunen, Maureen Boshier, Muge Akpinar Elci
- Nguyen MT. (ODU, PhD in Health Services Research), re: PhD dissertation – A Predictive Model for Asthma Control in Adults in New Jersey Pre and Post Disaster (Fall 2015 – present). Dissertation Committee Chair: Dr. Muge Akpinar-Elci; Committee members: Drs. Jim Blando, Olaniyi Olayinka
- Alemu B. (ODU, PhD in Health Services Research), re: Program curriculum (Spring 2015 – present). Adviser: Dr. Muge Akpinar-Elci
- Vazifedan T. (ODU, PhD in Health Services Research), re: Program curriculum (Fall 2016 – present). Adviser: Dr. Olaniyi Olayinka
- Chopp B. (ODU, PhD in Health Services Research), re: Program curriculum (Fall 2016-present). Adviser: Dr. Muge Akpinar-Elci
## 2.4 GRADUATES OF GLOBAL HEALTH CERTIFICATE PROGRAM

<table>
<thead>
<tr>
<th>Student</th>
<th>Background</th>
<th>Degree Program</th>
<th>Semester</th>
</tr>
</thead>
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<tr>
<td>Caleb Holland</td>
<td>Biology</td>
<td>BS (ODU)</td>
<td>Fall 2016</td>
</tr>
<tr>
<td>Brook Alemu</td>
<td>Health Services Research</td>
<td>PhD (ODU)</td>
<td>Fall 2016</td>
</tr>
<tr>
<td>Ashley Poole</td>
<td>Lifespan &amp; Digital Communication</td>
<td>MA (ODU)</td>
<td>Fall 2016</td>
</tr>
<tr>
<td>Doris McNeil</td>
<td>Psychology</td>
<td>BS (ODU)</td>
<td>Spring 2016</td>
</tr>
<tr>
<td>Charles Rominiyi</td>
<td>Kinesiology &amp; Exercise Science</td>
<td>MS (Western Carolina University)</td>
<td>Spring 2016</td>
</tr>
</tbody>
</table>
3 Events and Workshops

**National Drug Education Week Educational Event** – In observance of the National Drug and Alcohol Facts Week, the Old Dominion University Center for Global Health staff visited Ghent Montessori Middle School to educate middle-schoolers on how drugs and alcohol can adversely affect the human body and the benefits of making smart decisions about drug use. Norfolk, VA; January 2016.

**HealthWISE Training Workshop** – The ODU Center for Global Health in partnership with Bon Secours Health System, Virginia, piloted the first HealthWISE training in the United States at Mary Immaculate Hospital in Newport News, Virginia. The project was funded by the Pan American Health Organization/World Health Organization. The training was broken up into two days and consisted of eight modules, group discussions and group exercises. Participants included Bon Secours nurses and faculty and staff from ODU. Newport News, VA; January 2016.

**The Virginia Association of Public Health (VAPHA) 7th Annual Career and Student Research Day** – The ODU Center for Global Health in collaboration with Eastern Virginia Medical School co-hosted the 7th Annual Career and Student Research Day at Old Dominion University. The center had an active role in the poster presentation, networking sessions and roundtable discussions which provided student participants with an opportunity to learn more about a variety of career opportunities in public health. Norfolk, VA; April 2016.

**Burden & Challenges of Diabetes in Africa with Emphasis on Ethiopia** – The ODU Center for Global Health, The EVMS M. Foscue Brock Institute for Community and Global Health and The Office of Diversity and Inclusion hosted a lecture by guest speaker, Dr. Ahmed Rega. Dr. Rega is a renowned chronic disease researcher who gave an informative presentation on the recent challenges of addressing Diabetes in Africa. Norfolk, VA; April 2016.

**The Intersection of Transportation and Health in Hampton Roads Forum** - The Center for Global Health in collaboration with community partners hosted a forum to discuss the intersection of transportation and health in Hampton Roads and to create a professional multidisciplinary health and transportation hub for networking and research opportunities for faculty and students at Old Dominion University and in the community. Norfolk, VA; June 2016.

**Center for Global Diplomacy Forum** – The Center for Global Diplomacy partnered with ODU to offer a three-day forum addressing the economic, education and health issues impacting African Americans in Hampton Roads. The forum is the start of a project that will include a Block Grant and Mayor's Roundtable. The Center for Global Health was invited to discuss First-Level Outreach Program for African Americans with Diabetes, Hypertension & Obesity in Hampton Roads. Norfolk, VA; July 2016.

**Global Health Heroes Educational Program** - Global Health Heroes was a collaboration between the Center for Global Health and Horizons Hampton Roads in Virginia Beach, VA. Horizons offers enriching summer programs to students to inspire them to strive for a well-rounded, successful future. The program was targeted towards low-income, elementary students. The purpose of Global Health Heroes was to teach students about global health and each individual’s responsibility to the earth, which makes each person a global citizen. The center
designed an animated Power Point presentation to teach students the fundamentals of global health and fun, interactive games to reinforce learning. Virginia Beach, VA; July 2016.

**Graduate and Professional Development Fair** - The Center for Global health participated in the Grad Fair at ODU Virginia Beach Campus. During this Fair, the staff exhibited the certificate program in global health offered by the Center. Virginia Beach, VA; July 2016.

**ODU Health Professions Career Fair** – The Center for Global Health participated in the ODU Health Professions Fair to promote the Graduate Global Health Certificate Program. Norfolk, VA; July 2016

**National Institutes of Health Professions Career Fair** – The Center for Global Health participated in the ODU Health Professions Fair to promote the Graduate Global Health Certificate Program. Norfolk, VA; July 2016

**The United for Children Health Workgroup** - The Center for Global Health is part of a group of public health experts, including the Portsmouth Department of Health and Eastern Virginia Medical School, which was established to address adolescent mental health problems in Hampton Roads. The group meets periodically to develop public health interventions targeted to this issue. Inaugural meeting was in Portsmouth, VA; August 2016.

**Fall 2016 Career Fair** - During the Career Fair, the Center for Global Health had the opportunity to speak to students, recent graduates and aspiring healthcare professionals about some of the exciting careers that are available in global health. Additionally, students interested in pursuing the Global Health graduate certificate learned more about the program. Norfolk, VA; October 2016.

**Inter-Relationships and Institutions in implementing the Right to health** - The Center for Global Health co-sponsored a lecture with the Institute for Ethics and Public Affairs (IEPS). The lecture was led by Adjunct Associate Professor Maria Stuttaford. During the lecture, Stuttaford spoke about some of the criticisms and shortcomings of the right to health approach and how cultural relativism, such as a western based set of laws and standards are not shared in all parts of the world and how that is both beneficial and disadvantageous. Norfolk, VA; October 2016.

**Study Abroad Fair** – The Center for Global Health participated in the ODU Study Abroad Fair to promote the Germany Migration Crisis study abroad opportunity for Summer 2017 semester. Norfolk, VA; October 2016.

**International Education Week Country Fair** - The Center for Global Health participated in the International Education Week Country Fair which was organized by the Office of Intercultural Relations. International Education Week is an opportunity to celebrate the benefits of international education and exchange worldwide. The center represented the United States of America. The center’s poster highlighted various aspects of the economy from a global health perspective. Furthermore, the poster displayed the impact that the U.S. has had on global health worldwide. Norfolk, VA; November 2016.
Chinese Acupuncture and Cupping - The Center for Global Health in collaboration with The Confucius Institute hosted a Chinese Acupuncture and Cupping workshop in the Perry Library at Old Dominion University. Dr. Zhou, the guest speaker, gave the history and evolution of acupuncture needles and gave an overview of the benefits of acupuncture and cupping to control pain. Norfolk, VA; November 2016.

Zika Virus a Global Health Emergency: Mosquito Control Service Learning Project - Over the summer 2016 term, the Old Dominion University (ODU) Center for Global Health collaborated with the Norfolk Department of Public Health (NDPH) and the Eastern Virginia Medical School (EVMS)/ODU Master of Public Health (MPH) graduate program to design a service learning project that would give students practical skills in vector control. Students from ODU, the EVMS/ODU MPH program and Christopher Newport University participated in the Mosquito Control and Surveillance Summer Project. Students specifically worked alongside the NDPH’s Vector Control Division to perform backyard inspections, community outreach, mosquito collection and surveillance and laboratory work. Overall, students were able to learn more in depth about the control and prevention efforts that were taking place in their local community. During the presentation of their findings, students gave their take on of the program and why the sustainability efforts for the project is beneficial to both students and the community. Norfolk, VA; November 2016.

2016 Inaugural Meeting of the Secretary's Advisory Committee on National Health Promotion and Disease Prevention Objectives for 2030 - The Center for Global Health participated in this inaugural meeting which aimed at identifying national health objectives for HealthyPeople 2030. Washington, DC; December 2016.
4 Media

4.1 NEWS ARTICLES ONLINE


- Harrell I. Students, Faculty Make D.C. Trip to Learn about Zika, Infectious Diseases. News@ODU [Internet]. 2016 April 19 [cited 2017 Mar 8]; Available from: https://www.odu.edu/news/2016/5/zika_trip#.WL-1wn_y0qE


- Saunders N. ODU’s Center for Global Health Tackling Drug Addiction with Intervention Programs in Schools. News@ODU [Internet]. 2016 Nov 13 [cited 2017 Mar 8]; Available from: https://www.odu.edu/news/2016/12/opiods#.WL-00H_y0qE


5 Center Operational Updates

5.1 INTERNAL PROJECTS

- Conducted an evaluation of the strategic plan
- Introduction of the fourth priority area of the Center for Global Health: program evaluation services for community health programs
- Developed an assessment plan for the graduate global health certificate
- Implement a new tracking system for workshops and events
- Implement monthly activities log
- Updated official Center for Global Health website
- Updated brochures to showcase most recent initiatives and the global health certificate program
- Updated Facebook page to reach a broader audience
- Created an E-newsletter/bulletin to display concurrent work and upcoming events

5.2 EXTERNAL PROJECTS

- Created the Health and Transportation Group of Hampton Roads
- Connected with the Library of Alexandria to become one of the few regional Supercourse collaborative sites in the United States
6 Appendixes

6.1 APPENDIX A

Center of Global Health Personnel

- **Director, Professor**: Muge Akpinar-Elci, MD, MPH, FRSPH
- **Program Manager**: MyNgoc Nguyen, MS, BSEH
- **Assistant Professor**: Olaniyi Olayinka, MD, MPH
- **Research Coordinator**: Michele Kekeh, PhD
- **Social Media Assistant**: Angelica Walker, BS
- **Administrative Assistant**: Jamie R. Edmonds, AS

**JOINT APPOINTMENTS**

- **Gail Grisetti, PT, EdD**
  Associate Professor - The School of Physical Therapy and Athletic Training
- **Gayle B. McCombs, RDH, MS**
  Professor - The School of Dental Hygiene
- **Kimberly Adams Tufts, DNP, WHNP-BC, FAAN**
  Associate Professor and Assistant Dean for Interprofessional Education – The School of Nursing
- **James Blando, PhD**
  Assistant Professor - The School of Community & Environmental Health
- **Johanna Hoch, PhD**
  Assistant Professor – The School of Physical Therapy and Athletic Training
- **Jamel Martin, PhD, RN, CPNP**
  Assistant Professor – The School of Nursing

**ADJUNCT FACULTY**

- **Hasan Bayram, MD, PhD,**
  Professor, University of Gaziantep, Turkey
- **Satesh Bidaisee, DVM, MSPH**
  Associate Professor, St. George’s University, Grenada, WI
- **Enrico Wensing, PhD,**
  Assistant Professor, Plymouth University, UK and University of Virgin Islands, Virgin Islands
- **Maria Stuttaford, PhD**
  Associate Professor, London South Bank University
6.2 APPENDIX B

Advisory Board Members

Chair:
Ron Sconyers, Brigadier General (USAF, Ret.)
Ron5930@gmail.com

Members (Alphabetic order)

Edwin Burkett, MD, MBA
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6.3 APPENDIX C

Summary of Research Activities last 3 years

Figure 1. Research Activities in 2014-2016

![Research Activities 2014-2016](chart.png)

Table 1. Summary of Research Activities, 2014-2016

<table>
<thead>
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<th>Year</th>
<th>Presentation</th>
<th>Publications</th>
<th>Total</th>
</tr>
</thead>
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<tr>
<td></td>
<td>Professional Conferences, Workshops, Meetings</td>
<td>Peer-Reviewed Journals</td>
<td>Technical Reports, Book Chapters</td>
</tr>
<tr>
<td>2014</td>
<td>12</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>2015</td>
<td>20</td>
<td>14</td>
<td>7</td>
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<tr>
<td>2016</td>
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<td>14</td>
<td>5</td>
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