

Old Dominion University
Center for Global Health

2017 ANNUAL REPORT

January 1, 2017 – December 31, 2017



This report was prepared by the ODU Center for Global Health Team



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Executive Summary

The Old Dominion University Center for Global Health continues to establish a strong local and international presence in 2017. 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 2017, the Center for Global Health increased its presence in the community with new initiatives such as Healthy Chesapeake and a partnership with Boys and Girls Club of Southeastern Hampton Roads. 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
- **Chesapeake Department of Health** - MOU with Chesapeake Department of Health on students' practicums and internships coordination
- **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
- **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
- **LifeNet** – MOU with LifeNet for internship scholarship opportunities
- **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
- **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

- **Healthy Chesapeake** - MOU with Healthy Chesapeake for program evaluation activities
- **Virginia Beach Department of Health** - MOU with Virginia Beach Department of Health for internships and practicum coordination
- **University of New Mexico** - Collaboration for Study Abroad in Munich
- **Boys and Girls Club of Southeastern Hampton Roads** - Collaboration for Global Health Heroes project

1.2 RESEARCH AND SERVICE

1.2.1 Projects

Healthy Chesapeake Program Evaluation

- Center for Global Health Lead Team: **Drs. Michele Kekeh, Muge Akpinar-Elci, and Ms. MyNgoc Nguyen**
- Healthy Chesapeake Partners: Drs. Jenny Fertig, Nancy Welch, Wendy Shofer, and Ms. Beth Reitz

In 2017, the ODU Center for Global Health signed an MOU with Healthy Chesapeake to support the evaluation effort for Health Chesapeake program activities. Healthy Chesapeake was created under the leadership of the Chesapeake Health Department and city leaders to address health issues focusing on the low Healthy Opportunity Index (HOI) communities in Chesapeake. The program uses community-driven approaches to implement nutrition education, promote access to healthy food, encourage an active lifestyle, and improve chronic diseases such as diabetes and high blood pressure. Healthy Chesapeake projects emphasize community empowerment as an integral part of the interventions that include the Hub (diabetes and blood pressure management), family planning services, SPARK (after school program for children), and nutrition education classes, art and healthy brain, Master Garden project, ambassadors training, and active lifestyle projects.

Public Health Service Learning

- ODU Center for Global Health Lead Team: **Drs. Muge Akpinar-Elci, Michele Kekeh and Ms. MyNgoc Nguyen**

The Center for Global Health facilitates, supervise, and provide academic support for students from ODU and other universities in the United States. Students are involved in a variety of projects at the health departments and other local community organizations where they receive practical experiences in the field of public health. Projects for students in Fall and Summer 2017 included:

- Youth employment program planning
- Prescription take back box program awareness

- FAMIS application assistance and outreach
- Chronic diseases programs - Assessment of program activities
- Exploring an evidence-based program activities for youth in low HOI communities in Chesapeake
- Evaluation planning

Physicians for Peace Evaluation Plan

- Center for Global Health Lead: **Drs. Michele Kekeh and Muge Akpinar**

The Center for Global Health has developed a strategic plan for the evaluation of the Physicians for Peace fellowship program. The plan took into account all the questions from stakeholders, the goals, and objectives of the program. It also address the measurement, tools, and the target population for each evaluation question.

Greater Hampton Roads Dashboard Advisory Board

- Center for Global Health Lead: **Drs. Michele Kekeh and Muge Akpinar**

The Center for Global Health is a member of the Greater Hampton Roads Community Dashboard. The board is responsible for developing the data management plan for the Greater Hampton Roads Community Indicators dashboard, providing oversight for community indicators, data sources, quality and use, also making recommendations for continuous improvement of the dashboard.

Norfolk Community Health Improvement Plan

- Center for Global Health Lead Team: **Drs. Muge Akpinar-Elci, Michele Kekeh and Ms. MyNgoc Nguyen**

The Center for Global Health was a member of the Community Health Improvement Plan working team. The plan focuses on improving the health and well-being of Norfolk residents for the next five years. The three priority areas the working group focused on consist of safe communities, chronic disease prevention, and sexual health.

Zika Mosquito Control Summer Project

- ODU's Lead Team: **Ms. MyNgoc Nguyen, Dr. Muge Akpinar-Elci**
- 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, Tiffany Wiggins, 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 July 2017 to August 2017. The Center for Global Health recruited a total of 5 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

- ODU's Lead Team: **Dr. Muge Akpınar-Elci, Dr. Michele Kekeh, Ms. MyNgoc Nguyen, and Ms. Jamie Edmonds**
- Community Partner (Horizons Hampton Roads, Inc):
- Other participants: Faith Williams (ODU undergraduate student), Arya Nair (high school student)

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 2017, 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 borders 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. In workstation 1, students played a climate change board game that teaches them negative and positive outcomes of each of their environmental choices and a recycling sorting game which teaches them the various household items that are recyclable. In workstation 2, students were taught about the different food groups and types of health foods through a nutrition bingo game. Lastly, the students ended the program with a poster session themed "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.

Public Health and Transportation Working Group

- ODU's Lead Team: **Dr. Muge Akpinar-Elci, Ms. MyNgoc Nguyen, and Dr. Michele Kekeh**
- Community Partners: **Judy Brown (Hampton Roads Public Transportation Alliance), and Mike Robinson (Center for Innovative Transportation Solutions)**

The impact of transportation on public health has continued to be an important issue to address in the United States (US) and Hampton Roads area. The National Center for Environmental Health and Agency for Toxic Substances and Disease Registry believes that in order to build and maintain healthy communities, it is necessary to understand the impact of transportation choices on health. There are six main ways the transportation environment affects health in the US according to the Centers for Disease Control and Prevention: Safety, Active transportation, Air quality, Connectivity to destinations, and Equity (National Center for Environmental Health, 2015). The Hampton Roads Transportation Planning Organization also

identifies many of these factors as the major areas to focus for the Hampton Roads region in order to achieve long-term sustainability (Hampton Roads Transportation Planning Organization, 2012). After meeting with key stakeholders in transportation in 2016, the Old Dominion University Center for Global Health (ODUCFGH) made addressing transportation and public health issues in the Hampton Roads region a key priority for the center. The ODUCFGH launched the Public Health and Transportation Working Group and a Public Health and Transportation Data Archive site in 2016 after hosting an initial workshop which brought experts in the fields of transportation and health together to discuss key issues from a two-day webinar from the National Academy of Sciences.

On September 11, 2017, the Center for Global Health hosted another Public Health and Transportation workshop at the School of Community and Environmental Health from 2:30 PM to 4 PM. In attendance were 17 participants from organizations, such as the Hampton Roads Transportation Planning Organization (HRTPO), Virginia Department of Transportation (VDOT), Hampton Roads Transportation, Inc (HRTI), Virginia Modeling, Analysis and Simulation Center (VMASK), Strafford University, and the Center for Global Health. The goal of the workshop was to review the results of the needs assessment survey distributed through Qualtrics to all members of the transportation group from May 2017 to August 2017. The Director of the Center for Global Health, Dr. Muge Akpınar-Elci, opened the session by welcoming participants and presenting the agenda of the workshop. After the introductory remarks, Ms. MyNgoc Nguyen, program manager at the Center for Global Health who was responsible for the survey design, administration, and analysis, reported the findings. Participants asked questions related to the survey results and what these mean for the focus of the working group. They were also given the chance to provide their input on a grant opportunity that addresses the desired focus of the working group. This part was followed by a general discussion on the next steps to be taken by the group. The participants agreed on the following recommendations as the next steps of the working group:

- Creation of a consortium with guest speakers, panel discussions, and community engagement to discuss current health and transportation topics/issues in Hampton Roads
- Compare data on bike path usage with health data (health per bike mile) and analyze the economic benefits of bike paths (show evidence that bike paths can affect health and, therefore, lead to economic benefits)
- Examine accessibility to the Emergency Room to promote healthy transportation
- The group also identified the need to extend some of the projects to graduate students as a part of their practicum work and, potentially, their PhD projects.

Gaming Against Drug Abuse Program

- ODU's Lead Team: **Dr. Muge Akpinar-Elci, Dr. Olaniyi Olayina, Ms. MyNgoc Nguyen, and Dr. Michele Kekeh**
- Community Partner: Ghent Montessori Middle School

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 pretest and posttest survey was used to test the knowledge and attitudes of the students. First, students were given a brief presentation regarding key points about prescription drugs and NPS to emphasize the importance of healthy preventative drug behavior. Next, students were broken down into teams and asked questions regarding prescription drugs and NPS through a fun and interactive trivia game. The trivia game helped the team shatter the myths of drug use. The center gave students factsheets, developed using toolkits provided by the National Institute of Drug Abuse, 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.

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: **Dr. Muge Akpinar-Elci, Dr. Maureen Boshier, Ms. MyNgoc Nguyen**
- 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 Health 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.

College of Health Sciences Interprofessional Education

- Lead Team: Drs. K. Adams-Tufts, **Muge Akpinar-Elci**, J. Blando, R. Poston,
- Other participants: Leigh Ann Diggs (ODU graduate Student)

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

- McManus MC, Cramer R, Boshier M, **Akpinar-Elci M**, Van Lunen B. Mental Health and Drivers of Need in Emergent and Non-Emergent Emergency Department Use: Do Living Location and Non-Emergent Care Sources Matter? *International Journal of Environmental Research and Public Health*, 2018 13;15 (1). DOI: 10.3390/ijerph15010129.
- Olayinka, O., Olayinka, O.O., Alemu, B., **Akpinar-Elci, M.**, Grossberg, G.. Toxic Environmental Risk Factors for Alzheimer's Disease: A Systematic Review. *Journal of Clinical Gerontology and Geriatrics*. 2018 (in press).
- Olyinka O, **Kekeh M**, Manasi S. C., **Akpinar-Elci M.** (2017). Big Data in Global Health. Available at <https://doi.org/10.1016/j.aogh.2017.09.005>
- (f) Alemu, BT, Cramer, RJ, Carlisle KR, **Akpinar-Elci, M.** A Theoretical Analysis of Health Beliefs of Physical Activity among Women with Previous Gestational Diabetes. *Social Theory & Health*. *American Journal of Health Education*, 2017 DOI: 10.1080/19325037.2017.1335627
- **Akpinar-Elci M**, Randall M, **Nguyen M**, Bidaisee S, Rodriquez-Guzman J, Elci OC. Assessment and Evaluation of Occupational Health and Safety Legislations in the Caribbean. *PAHO Rev Panam Salud Publica*. 2017; 41:e26
- **Akpinar-Elci M**, Bidaisee S, Nguyen MT, Elci OC. Occupational exposure and respiratory health problems among nutmeg production workers in Grenada, the Caribbean. *Int J Occup Environ Health*, 2017. DOI: 10.1080/10773525.2017.1280948

- **Akpinar-Elci M**, Demir C, Olayinka O, Simsek C, Cimrin A. Global Perspective of Occupational Medicine Training in Turkey. American Public Health Association Annual Meeting, Atlanta, GA, November 2017
- **Akpinar-Elci M**, Redica K. Importance of One Health Approach to Educating and Training Public Health Professionals. One Health, One Global Environment Conference JAPHI and IFEH. Jamaica, WI, October 2017
- **Akpinar-Elci M**, Bayram H. Rethink what you know about air pollution: Multi – Pollutant approach. *Meet the Professor seminars*, International American Thoracic Society Meeting, Washington DC, May 2017

Book Chapter

- EX: Hester P, **Akpinar-Elci M**, Shaeffer J. On Complementarity and the need for a transdisciplinary perspective in addressing infectious diseases. Trans-disciplinary perspectives on systems complexity, edited by Kahlen F, Springer publication. 2016 (in press)

Technical Reports

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

1.2.3 Presentation

- **Kekeh M, Nguyen MT**. Current Projects. Advisory Board Meeting. Center for Global Health. ODU; 2017 Dec; Norfolk, VA.
- **Akpinar-Elci**, Sea Level Rise, Flooding and Health in Hampton Roads. Chesapeake Physicians for Social Responsibility Meeting. Norfolk, December 2017
- Kekeh M. Overview of the Evaluation requirement for IRB submission. Healthy Chesapeake Strategic Plan Workshop; 2017 April; Chesapeake, VA
- **Kekeh M**. Introduction to Global Health Heroes. Horizons Hampton Roads; 2017 Jul; Portsmouth, VA.
- **Nguyen MT, Kekeh M, Edmonds, J**. Educational Activities to Promote Global Health in Children. Horizons Hampton Roads; 2017 Jul; Portsmouth, VA.
- **Kekeh M**. Center for Global Health. Students' Club; 2017 June; Portsmouth, VA
- **Kekeh M**. Civil Responsibilities in the Workplace. Case of the Center for Global Health. Christopher Newport University; 2017 May; Newport News, VA.

- **Nguyen MT.** Public Health and Transportation: 2017 Needs Assessment Survey; Old Dominion University; 2017 Sept; Norfolk, VA.
- **Olasewum A, Kekeh M, Mansyur, C.** Obesity in Virginia. Virginia Public Health Association; 2017 April; Richmond, VA
- **Nguyen MT, Edmonds J.** Opportunities in Global Health in Hampton Roads; Stratford University; 2017 Aug; Virginia Beach, VA.
- **Nguyen MT.** Gaming Against Drug Abuse. Ghent Montessori; 2017 Jan; Norfolk, VA.
- **Olayinka O.** Synthetic Drugs and Marijuana. Ghent Montessori; 2017 Jan; Norfolk, VA.

1.2.4 Funding (Submitted or Funded)

- **Kekeh M. (PI), Akpinar-Elci Muge (Co-PI), Nguyen MT (Co-PI).** Community Awareness of Resources Survey project; Chesapeake Health Department; 2017 - \$15,000 (funded)
- **Kekeh M (PI), Akpinar-Elci Muge (Co-PI), Nguyen MT (Co-PI).** Healthy Chesapeake Program Evaluation. IRB Submission; 2017 - \$6,000 (funded)
- **ODU Center for Global Health.** Lifenet Health Internship scholarship. Virginia Beach, VA: LifeNet; 2016 - \$1,000 USD (Funded)
- **Nguyen MT (Co-PI), Kekeh M (Co-PI), Akpinar-Elci M (PI).** Graduate Program Recruitment Grant. Norfolk, VA: Old Dominion University; 2017. \$950 USD (Funded)
- **Nguyen MT (Co-PI), Kekeh M (Co-PI), Akpinar-Elci M (PI).** Graduate Program Recruitment Grant. Norfolk, VA: Old Dominion University; 2017. \$950 USD (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 2017, 10 students enrolled in the Global Health Certificate program in the College of Health Sciences at ODU. Six students completed the certificate program in 2017.

2.1 COURSES: GLOBAL HEALTH COURSES DEVELOPED AND OFFERED (FALL 2017, SPRING 2017, SUMMER 2017)

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

2.2 INTERNSHIPS

Student	Degree Program	Semester	Supervisor
Greg Ostrander	Doctor of Public Health	Spring 2017, Summer 2017	MyNgoc Nguyen
Faith Williams	BS in Health Sciences	Summer 2017	MyNgoc Nguyen
Chalsie Paul	BS in Environmental Health	Summer 2017	Michele Kekeh

Arya Nair	Cox High School	Summer 2017	MyNgoc Nguyen, Michele Kekeh
Naysha Clemons	BS in Health Sciences	Fall 2017	Michele Kekeh
Danielle Porzig	MPH- Capella University	Fall 2017	Michele Kekeh
Silvia Cureses	Public Health Administration - ODU	Summer 2017	Michele Kekeh
Robert Navaro	BS in Health Sciences	Summer 2017	Michele Kekeh
Oluwaseun Adesina	BS in Health Sciences	Summer 2017	Michele Kekeh
Shelby Nnadi	BS in Health Sciences	Summer 2017	Michele Kekeh
Patel Mik	BS in Environmental Health	Summer 2017	Michele kekeh
David	BS in Public Health -Liberty University	Summer 2017	Michele Kekeh

2.3 ADVISING OF STUDENTS

- Outram M. (CNU, BS in Biology), re: MS/MPH program (Summer 2016-present). Adviser: MyNgoc Nguyen
- 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 Members: Drs. Muge Akpinar-Elci, Jim Blando, Olaniyi Olayinka
- Alemu B. (ODU, PhD in Health Services Research), re: Program curriculum (Spring 2015 – present). Advisers: Drs. Muge Akpinar-Elci, Matthew Hoch, Olaniyi Olayinka

2.4 GRADUATES OF GLOBAL HEALTH CERTIFICATE PROGRAM

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Student	Background	Degree Program	Semester
Julianne Osborne	Biology	BS (ODU)	Spring 2017
Stephanie Daniels	International Studies	PhD (ODU)	Summer 2017
Ashley Poole	Lifespan & Digital Communication	MA (ODU)	Spring 2017
Narketta Sparkma-Key	Human Services	GHC (ODU)	Summer 2017
Rachel Dorn	Dental Hygiene	MS (ODU)	Spring 2017
Johanna Hoch	Athletic Training	GHC (ODU)	Spring 2017

** GHC = Global Health Certificate Program only

3 Events and Workshops

Global Shapers Norfolk Networking Meeting - January 26, 2017

Network opportunity to discuss issues impacting Hampton Roads such as health, transportation, policy, and finance.

Public Health Festival - January 28, 2017

This event provided the opportunity for the Center to interact with local organizations to learn about local resources that are available to protect communities from the impact of climate change.

ODU Graduate and Professional Development Fair, Virginia Beach Higher Education Center - March 20, 2017

The Graduate and Professional Development Fair was a networking event for graduate students. Representatives from Old Dominion University were on hand to offer assistance and advice for non-credit professional development opportunities, unofficial transcript reviews, financial aid advising (including military benefits), and onsite registration.

ODU Graduate and Professional Development Fair, Perry Library - March 15, 2017

The Graduate and Professional Development Fair was a networking event for graduate students. Representatives from Old Dominion University were on hand to offer assistance and advice for non-credit professional development opportunities, unofficial transcript reviews, financial aid advising (including military benefits), and onsite registration.

Gaming Against Drug Abuse, Ghent Montessori School - March 21, 2017

This event was held in conjunction with the National Drug and Alcohol Facts Week. The staff from the Center of Global Health visited Ghent Montessori Middle School to educate middle-schoolers on the dangers of drugs and alcohol.

The Public Health Impact of Climate Change - March 2, 2017

Dr. Olaniyi Olayinka facilitated this event with Dr. George Lumber, CDC. Dr. Lumber manages the Climate and Health Program at the CDC. He is also co-chair of the Climate Change and Human Health Interagency Workgroup at the US Global Change Research Program. Dr. Lumber discussed the impact that climate change has on public health.

WHRO's Emerging Leaders Board and Global Shapers Norfolk in a *Wait Wait...Don't tell Me!* style interactive conversation about sea level rise! - April 2, 2017

The Center for Global Health participated in this event to participate in discussion and bring awareness to Hampton Roads residents on how sea level rise impacts our area, what the future holds, and opportunities for involvement.

Richard Summerville Leadership Conference: Corporate Responsibility in the Professional World, Christopher Newport University - April 4, 2017

The Virginia Peninsula Rotary Club invited the Center for Global Health to participate in this event. This event consisted of open panel discussions on corporate responsibility in the professional world to teach college students how they can engage in their communities after college life.

Virginia Public Health Association (VAPHA) Conference - April 21, 2017

This event was open to all Public Health Students and recent graduates who were interested in presenting their research and projects. They also submitted abstracts which consisted of rationale, methodology (if applicable), and findings/outcomes. Students could choose to have their submissions for display only or be included in the judging. Prizes were awarded for those submissions that were judged.

Air Pollutants Induce Cardiopulmonary Mortality and Morbidity; But how? - May 18, 2017

Dr. Hasan Bayram lead a discussion about how inhaled irritants play an important role in the pathogenesis of airway diseases. There was also discussion of epidemiological studies that have demonstrated a close association between increases in levels of air pollution and cardiopulmonary mortality and morbidity.

Building University-Community Partnerships for Resilience Networking Event - June 2, 2017

This was a networking/conversation event that explored ways that university faculty, staff and students can collaborate through service learning projects to improve our communities, neighborhoods, and residents.

Greater Hampton Roads Population Health Summit - June 20, 2017

The focus of this summit was how to improve our communities' resilience and readiness through the lens of the opioid crisis.

Global Health Heroes - July 25, 2017

Global Health Heroes began as a collaboration between the Center for Global Health and Horizons Hampton Roads in Virginia Beach. 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.

Healthy Hampton Roads/Healthy Communities Summit Series - August 24, 2017

This was an opportunity for community leaders to collaborate on a regional agenda for health and discuss healthy city campaign priorities across Hampton Roads

European Migration Crisis: Student Service Learning Experiences - September 28, 2017

This inter-disciplinary, service-learning study-abroad trip examined the current migration crisis in Europe, which put Germany at the political core of the crisis. This interdisciplinary study-abroad trip to Munich engaged students with the immediate social complexity of the integration of migrants in Germany.

Feed Virginia Day of Action - September 29, 2017

Virginia's First Lady, Dorothy McAuliffe, has designated September 29th as Virginia Food Access Network's first ever *Feed Virginia Day of Action*. In every part of Virginia, local organizations hosted events that supported our food system and promote access to healthy foods and communities.

Chasing the Dragon/Opioid & Haroin Community Forum - October 19, 2017

This FBI and DEA documentary film is intended to help educate citizens about the dangers of prescription drug abuse and the heroin epidemic.

Strength in Numbers Biannual Grant Selection - November 16, 2017

The mission of Strength in Numbers is to support 501 © 3 organizations in South Hampton Roads that improve the quality of life for women and families in education, health and welfare, and prevention of/treatment for violence and abuse.

The Impact of Unpaid Public Work on Health and Well-Being: Partners of Senior Military Officers - November 17, 2017

This lecture was done in conjunction with International Education Week. The discussion was geared toward the unrecognized unpaid work by public service spouses and partners is a contemporary social issue, relevant to military, religious, diplomat and political lives. The aim of this ongoing research is to explore the unpaid public work undertaken by women who are married to senior military officers.

AIEA Thematic Forum - December 5-6, 2017

This event focused on the current state of short-term global health activities; overview of research done and information needed, development of guidelines for best practices.

City of Chesapeake Strategic Planning - July 17, 2017

Over the course of two days, stakeholders came together to 1) engage in decision-making regarding the role of Healthy Chesapeake in addressing the social determinant challenges of Chesapeake so as to meet the approved vision of being the healthiest community in VA 2) develop common agreement for the roles of the coalition and the board resulting in an effective operating structure and 3) build effective short and long range plans.

Applied Suicide intervention Skills Training (ASIST)- November 16-17, 2017

ASIST is the most widely used suicide prevention training in the world. This evidenced-based training was a two-day intensive, interactive and practiced-dominated course designed to help caregivers recognize and review risk, and intervene to prevent the immediate risk of suicide.

Mid-Atlantic Center for Children's Health & Environment (macche) - July 11, 2017

The Mid-Atlantic Center for Children's Health & Environment hosted this event to discuss children's environmental health in Norfolk. Following was a focus group to hear other ideas about children's environmental health priorities and how to best address these health issues.

Tackling Big Data Challenges - September 27, 2017

This event was sponsored by ODU Information Technology Services. They discussed the different opportunities that are available in terms of big data.

The Planning Council - June 19, 2017

Met with the team from the Planning Council to discuss their projects and also the possibility for a collaboration with the Center for Global Health and the School for Community and Environmental Health.

Norfolk Prevention Coalition Community Benefits Partnership Meeting - October 19, 2017

This event was held to discuss community strategy prevention to tackle the opioid crisis in Norfolk.

4 Media

4.1 NEWS ARTICLES ONLINE

- **Nguyen MT.** Center Sponsors Public Health, Transportation Workshop. College of Health Sciences Newsletter [Internet]. 2017 Dec. Available from: [http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs dec 2017 newsletter.pdf](http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs%20dec%202017%20newsletter.pdf)
- **Akpinar-Elci M.** Crises Persist in Hurricane's Aftermath. College of Health Sciences Newsletter [Internet]. 2017 Oct. Available from: [http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs october newsletter.pdf](http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs%20october%20newsletter.pdf)
- **Collaboration is Key to Center's Mission.** College of Health Sciences Newsletter [Internet]. 2017 May. Available from: [http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/may 2017 newsletter.pdf](http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/may%202017%20newsletter.pdf)
- **Walker A.** Walker Lands Job at APHA in Washington, D.C. College of Health Sciences Newsletter [Internet]. 2017 April. Available from: [http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs%20april%202017%20news letter.pdf](http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs%20april%202017%20newsletter.pdf)

- Elci A. Spring Break Offers Young Intern Golden Opportunity. College of Health Sciences Newsletter [Internet]. 2017 March. Available from: http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/march_2017_newsletter.pdf
- **Walker A.** Certificate Provides Exciting Opportunities. College of Health Sciences Newsletter [Internet]. 2017 Feb. Available from: http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/feb_2017_newsletter.pdf
- Saunders N. Center Tackles Drug Addiction. College of Health Sciences Newsletter [Internet]. 2017 Jan. Available from: http://odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2017%20newsletters/cohs_jan_newsletter_2017.pdf

5 Center Operational Updates

5.1 INTERNAL PROJECTS

- Developed assessment plan for the graduate global health certificate
- Updated official Center for Global Health website
- Updated brochures to showcase most recent initiatives and the global health certificate program
- Re-launched Facebook page to reach a broader audience
- Launched an Instagram page
- Created an E-newsletter/bulletin to display concurrent work and upcoming events
- Created an internship guide for the Mosquito Control Program

5.2 EXTERNAL PROJECTS

- Created the Health and Transportation Group of Hampton Roads
- Helped create Healthy Chesapeake

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- Dental Hygiene Research Center
- **Kimberly Adams Tufts, DNP, WHNP-BC, FAAN**
Associate Professor and Assistant Dean for Interprofessional Education - School of Nursing
- **James Blando, PhD**
Assistant Professor- School of Community & Environmental Health
- **Johanna Hoch, PhD**
Assistant Professor – The School of Physical Therapy and Athletic Training
- **Jamela Martin, PhD, RN, CPNP**
- Assistant Professor – 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*)

Nancy Jallo, Ph.D

Associate Professor

Virginia Commonwealth University, School of Nursing

njallo@vcu.edu

Mike Jakubowski

Senior Vice President

TowneBank

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Jennifer Krzewinski

Student Programs Associate Vice President

Operation Smile Global Headquarters

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Shelley Mishoe, Ph.D

Professor

ODU School of Community and Environmental Health

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Cynthia C. Romero, MD, FAAFP

Director, M. Foscue Brock Institute for Community & Global Health

Eastern Virginia Medical School

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Nancy Welch, MD, MHA, MBA
 Director
 Chesapeake Health Department
Nancy.welch@vdh.virginia.gov

Clair Winiarek
 Vice President at Megellan Health
cwulfwiniarek@megellanhealth.com

6.3 APPENDIX C

Revenue Generated 2015-2016

Figure 1. Annual revenue generated by the center

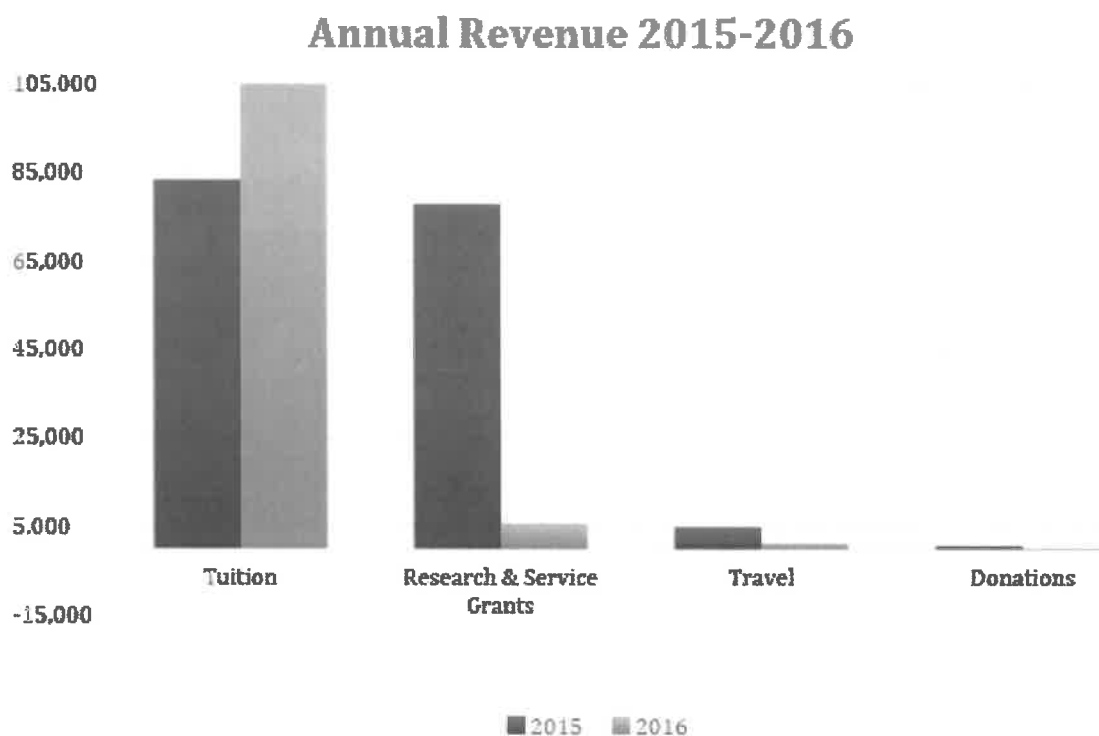


Table 1. 2016 Itemized Revenue Generate

Year	Tuition	Research & Service Grants	Travel	Donations	Total
2017	50,656	17,500		1,711.90	69,867.90

ODU Center for Global Health
 4608 Hampton Blvd, Room 3133 * Norfolk, VA 23529
 Phone 757.683.6160 * Fax 757.683.5336

* Tuition rates take into consideration variation between MPH and ODU in-state tuition rates

6.4 APPENDIX D

Summary of Research Activities last 3 years

Figure 2. Research Activities in 2014-2016

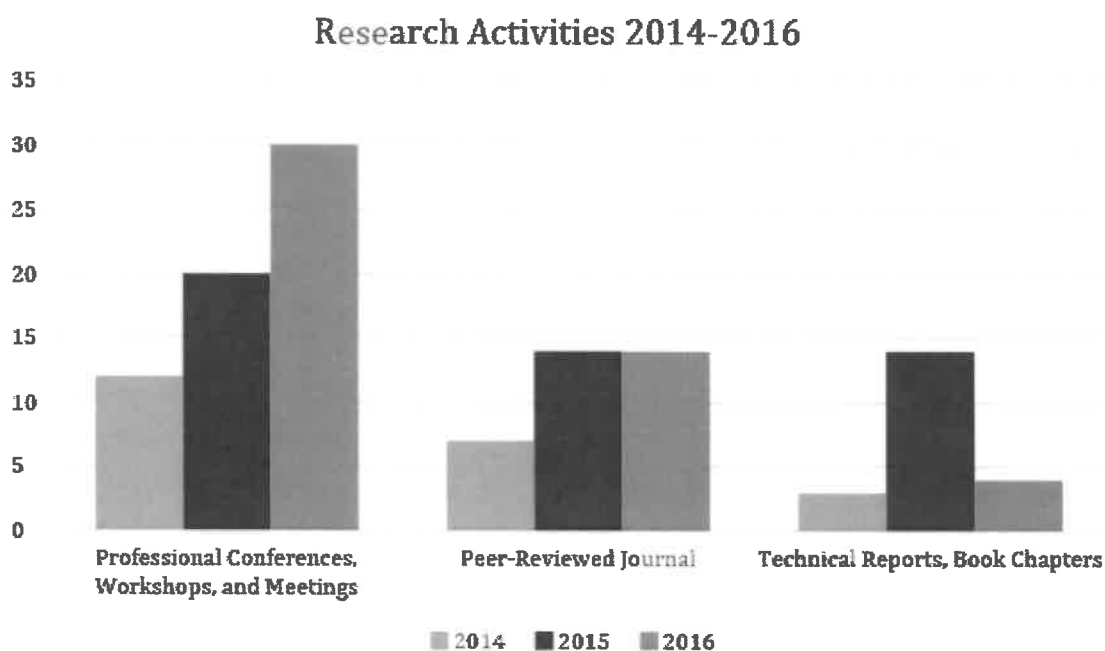


Table 2. Summary of Research Activities, 2014-2016

Year	Presentation	Publications		Total
	Professional Conferences, Workshops, Meetings	Peer-Reviewed Journals	Technical Reports, Book Chapters	
2014	12	7	3	22
2015	20	14	7	41

2016	30	14	4	48
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