



Old Dominion University
Center for Global Health

2018 ANNUAL REPORT

January 1, 2018 – December 31, 2018



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

Table of Contents

Executive Summary	3
Center for Global Health Vision, Mission, and Core Values	4
1.0 Accomplishments _____	5
1.1 Partnerships and Collaborations _____	5
1.2.1 Projects _____	7
1.2.2 Publications _____	12
1.2.3 Presentations _____	14
1.2.4 External Grant Submitted _____	15
2. Teaching _____	16
3. Events and Workshops _____	21
4. Media _____	25
5. Center Operational Updates _____	26
6. Appendixes _____	27

Executive Summary

The Old Dominion University Center for Global Health continues to establish a strong local and international presence in 2018. 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 2018, the Center for Global Health increased its presence in the community with new initiatives such as Western Tidewater Health Department, Suffolk School System, Girl Scouts of America, Homelessness Connect Program, and The Virginia Modeling and Simulation Center (VMASC). 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 (2013-2016)
- **Bon Secours Health System, Inc.** – Memorandum of Understanding (MOU) with Bon Secours Health System, Inc. for workforce development and training (2015-2016)
- **Chesapeake Department of Health** - MOU with Chesapeake Department of Health on students' practicums and internships coordination (2016-Present)
- **City of Virginia Beach** – MOU with the City of Virginia Beach on the Let's Move Project (2014- present)
 - Virginia Beach Department of Health
 - Virginia Beach Park and Recreation
- **Colleagues in Care**- Collaboration on new battery technology development for blood pressure monitor (2013-2015)
- **Eastern Virginia Medical School** - Collaboration with EVMS on M. Foscue *Brock Institute* for Community and Global Health and Masters of Public Health Program (2013-Present)
- **Ghent Montessori School** - Collaboration with Ghent Montessori school to implement the NIDA drug education toolkit (2015-Present)
- **Horizons Hampton Roads** - Collaboration with the Horizons program to implement the global health heroes' educational toolkit (2015-Present)
- **LifeNet** – MOU with LifeNet for internship scholarship opportunities (2016-Present)
- **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 (2016-Present)
- **Operation Smile** - MOU with Operation Smile for research and teaching activities (2015-Present)
- **Physician for Peace** - MOU with Physician for Peace for research and teaching activities (2013-Present)
- **University of Fortaleza, Brazil (UNIFOR)** – Collaboration with UNIFOR for Interprofessional study abroad course in Brazil (2015-2016)
- **University of New Mexico** - Collaboration for Study Abroad in Munich (2016-2017)

- **World Health Organization** - Collaboration for HealthWISE project (2016-2017)
- **Boys and Girls Club of Southeastern Hampton Roads** - Collaboration for Global Health Heroes project (2017-Present)
- **Healthy Chesapeake** - MOU with Healthy Chesapeake for program evaluation activities (2017-Present)
- **Ludwig Maximilian University of Munich** - Collaboration for Study Abroad in Munich program (2017)
- **Norfolk Prevention Coalition** - Collaboration on opioid project (2017-2018)
- **United Nations Foundation** - Collaboration with Officer from Global Health Advocacy for Mosquito Event (2017-2018)
- **United Way** - Greater Hampton Road Dashboard Advisory Board (2017-Present)
- **Virginia Beach Department of Health** - MOU with Virginia Beach Department of Health for internships and practicum coordination (2017-Present)

New Partnerships and Collaborations

- **Western Tidewater Health Department** - Collaboration on Nurse Family Practitioners project (2018-Present)
- **Suffolk Public Schools** - Partnership on Wellness Initiatives for a Happy, Healthy, Productive Staff (2018-Present)
- **Girls Scouts of America** - Collaboration for Global Health Heroes program (2018-Present)
- **Virginia Beach Housing Authority** - Collaboration for Homelessness Connect event (2018-Present)
- **Virginia Modeling and Simulation Center (VMASC)** - Collaboration for Opioid Data (2018-Present)
- **WaggiLabs** - Collaboration with Mr. Chic Thompson for health education (2018-Present)
- **Cacao 360 Ghana** - Partnership for handwashing project (2018-Present)

1.2 RESEARCH AND SERVICE

1.2.1 Projects

Healthy Chesapeake Program Evaluation

- ODU Center for Global Health: **Dr. Michele Kekeh, Dr. Muge Akpinar-Elci, and Ms. MyNgoc Nguyen**
- Healthy Chesapeake Partners: Ms. Jenny Fertig, Dr. Nancy Welch, Dr. 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), SPARK (after school program for children), and nutrition education classes, art and healthy brain, Master Garden project, ambassadors training, and active lifestyle projects. Our role as an evaluation consulting entity for Healthy Chesapeake is to establish the evaluation system in all aspects of the program, research and develop necessary tools, create all forms and submit them for Institutional Review Board (IRB) approval, administer the instruments, conduct data analysis, and provide reports to stakeholders. The tools developed in 2017 include:

- Food Connection questionnaire
- Care program survey questionnaire
- Active lifestyle questionnaire
- Healthy Eating questionnaire
- Art Class questionnaire
- SPARK questionnaire
- Program satisfaction questionnaire

Service-Learning Program on Global Health

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

The Center for Global Health facilitates internship and practicum opportunities for students from ODU and other universities in United States. The staff from the Center also provides the academic support for students throughout their projects. Students are involved in a variety of projects at the local health departments and other community organizations in Hampton Roads where they receive practical experiences in the field of public health. Projects that our students completed in Fall and Summer 2018 included:

- eRations program development
- Farmers' Market Survey Development and Implementation
- Baby care program assessment
- Food "Farmacy"
- Transportation opportunities offered by free clinics in Hampton Roads.
- Functional Food - Literature review
- Care program assessment
- Service-learning framework

Greater Hampton Roads Community Indicators Dashboard

- ODU Center for Global Health Lead Team: **Dr. Michele Kekeh, Dr. Muge Akpinar-Elci**

The Center for Global Health is a member of the Greater Hampton Roads Community Dashboard advisory board. Our role as a board member is to provide support for data management plan, data sources, quality and use, and making recommendations for continuous improvement of the data dashboard.

Norfolk Community Health Improvement Plan

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

The Center for Global Health is a member of the Norfolk Community Health Improvement Plan working teams. In 2018, the Center participated in the review of the plan which focuses on improving the health and well-being of Norfolk residents for the next five years. As a member of three working teams (chronic diseases prevention, sexual transmissible infections and teen pregnancy, and the safe communities), the staff from the Center contributed substantially in the discussions for the development of the strategies and action plans.

Partnership for Success Action Plan

- ODU Center for Global Health Lead Team: **Dr. Michele Kekeh, Dr. Muge Akpinar-Elci**

The Center for Global Health was a member of the Partnership for Success Action Plan working group. The project was led by the Norfolk Prevention Coalition, and as a member of the working group, the Center worked with other partners to develop a strategic plan for opioid prevention in the city of Norfolk. The plan was accepted by the

Substance Abuse and Mental Health Services Administration (SAMHSA) and the Department of Behavioral Health and Developmental Services (DBDHS).

Global Health Heroes Program

- ODU Center for Global Health Lead Team: **Ms. MyNgoc Nguyen, Dr. Michele Kekeh and Mrs. Jamie Edmonds**
- Student participants: Beon Kyoung Sam (intern), Austin Acosta (intern), Jeremy Wilson (intern), Alethea Van Alstyne (volunteer), Cecilia Innis (volunteer), Bailey Spencer (volunteer), Marie Shoen (volunteer), Arya Nair (high school student)
- Community Partners: Boys and Girls Club of Southeastern Virginia and Healthy Chesapeake (SPARK)

In 2018, The Center for Global Health partnered with the Boys and Girls Club of Southeastern Virginia to implement the health education program in the community. 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 illustrative PowerPoint presentation to teach students the fundamentals of global health and fun, and interactive games to reinforce learning. The PowerPoint presentation addressed scenarios for communicable illnesses, nutrition, and prevention strategies. The center also designed educational workstations that taught the students about healthy environmental health behaviors and nutrition. 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 and sugar cube 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. The Center also collaborated with Healthy Chesapeake to implement the Global Health Heroes at Harbour North during Spark Summer Youth program.

Public Health and Transportation Working Group

- ODU Center for Global Health Lead Team: **Ms. MyNgoc Nguyen, Dr. Michele Kekeh, Dr. Muge Akpinar-Elci**
- Community Partners: Judy Brown (Hampton Roads Public Transportation Alliance), and Mike Robinson (Virginia Modeling and Simulation Center)

The Center for Global Health team procured a small grant that will help the working group with accomplishing one of the set action items from the last meeting of creating a

consortium with guest speakers, panel discussions, and community engagement to discuss current health and transportation topics/issues in Hampton Roads. This consortium will tentatively launch in Fall 2019.

Gaming Against Drug Abuse Program

- ODU Center for Global Health Lead Team: **Ms. MyNgoc Nguyen, Dr. Michele Kekeh, Dr. Muge Akpinar-Elci,**
- 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. In 2018, a 6-month follow-up was conducted by the center. The center collected survey data on the same cohort of students to determine their retention in knowledge and change in attitudes regarding the adverse effects of substance use.

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

- ODU Center for Global Health Lead Team: **Dr. Muge Akpinar-Elci, Dr. Michele Kekeh, Dr. Maureen Boshier, Ms. MyNgoc Nguyen**
- City of Virginia Beach Partners, VB Health Department, VB Parks and Recreation Out of School Time Program

The ODU Center for Global Health continued to collaborate with VB Health Department and Park & Recreation 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 center trained two student interns that helped the Virginia Beach Department of Public Health collect survey data for the projects. The center also helped the MRC obtain funding for the Let's Move Project.

Homelessness Project

- ODU Center for Global Health Lead Team: **Ms. MyNgoc Nguyen, Dr. Michele Kekeh, Ms. Jamie Edmonds, Dr. Muge Akpinar-Elci**
- Partners: ODU Student National Environmental Health Association (NEHA), National Alliance on Mental Illness, City of Norfolk Office to End Homelessness, Community Service Board, Good Girl Chronicles, LLC., City of Norfolk Office of Emergency Preparedness & Response

In Fall 2018, The ODU Center for Global Health hosted a Homelessness Seminar as well as collaborated with the ODU Student National Environmental Health Association to host a Holiday Drive for the Homeless. The Homelessness Workshop Seminar had a keynote speaker who presented on the state of homelessness in Virginia and a panel discussion composed of key government and community leaders who actively work to fight homelessness in Norfolk, VA. The Holiday Drive for the Homeless gathered needed materials for families in need in the Hampton Roads community. Supplies from this drive was donated to a community organization in Spring 2019.

1.2.2 Publications

Peer Reviewed Journal Article

- Olayinka O, Olayinka OO, Alemu B, **Akpinar-Elci M**, Grossberg G. Toxic Environmental Risk Factors for Alzheimer's Disease: A Systematic Review. Journal of Clinical Gerontology and Geriatrics. (in press)
- Alemu BT, Beydoun H, Hoch M, Van Lunen B, **Akpinar-Elci M**. Predictors of Hospitalization Cost in Infants with Hypoglycemia. Journal of Pediatrics and Neonatal Biology. 2018; 2(1), 1-6
- **Akpinar-Elci M**, Bidaisee S, Durgampudi P, Radix R, Rodriquez-Guzman J, **Nguyen MT**, Elcio C. Needlestick Injury Prevention Training Among Health Care Workers in the Caribbean. Pan American Journal of Public Health. 2018. DOI: 10.26633/RPSP.2018.93

- Welsch LA, Hoch J, Poston RD, Paradi VA, **Akpinar-Elci M**. Interprofessional Education Involving Didactic TeamSTEPPS® and Interactive Healthcare Simulation: A Systematic Review. *J Interprof Care*, 2018. DOI: 10.1080/13561820.2018.1472069
- **Akpinar-Elci M**, Rose S, **Kekeh M**. Well-being and Mental Health Impact of Household Flooding in Guyana, the Caribbean. *Marine Technology Society Journal*. 2018: 52(2), 18-22. DOI: <https://doi.org/10.4031/MTSJ.52.2.3>
- 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: 15(1). DOI: 10.3390/ijerph15010129.

Book Chapter

- **Kekeh M, Akpinar-Elci M**, Michael Allen. Sea Level Rise and Coastal Communities. Springer Publication. (In press)
- Olayinka O, **Akpinar-Elci M**. Impact of Hurricanes on Mental Health, Springer Publication. (In press)

Technical Reports

- **Kekeh M & Akpinar-Elci M**. Care Program Data Findings – Report. Healthy Chesapeake, Inc., Chesapeake, VA; 2018
- **Kekeh M & Akpinar-Elci M**. Senior Program Assessment Report - Healthy Chesapeake, Inc., Chesapeake, VA; 2018
- Newhouse K, **Kekeh M, Akpinar-Elci M**. Recommendations for prescription Take-Back Box Program Promotion. Virginia Beach Health Department, Virginia Beach, VA; 2018
- Orange K, Andruczyk M, **Kekeh M, Akpinar-Elci M**. Growth Project. Video explaining the individual gardening pot construction, Retrieved from https://www.youtube.com/watch?v=NoRpy_EdAWo . Healthy Chesapeake, Chesapeake, VA; 2018

1.2.3 Presentations

- **Nguyen MT**, Blando J, **Kekeh M**, Olayinka O, **Akpinar-Elci**. Predictors of Asthma Attacks and Asthma Health Care Utilization in Asthmatic Adults in New Jersey After

- a Natural Disaster Event. American Public Health Association Annual Meeting and Expo. San Diego, CA, November 2018
- **Kekeh M**, Welch N, **Nguyen MT**, Fertig J, **Akpinar-Elci M**. Innovative Model of Collaboration Between an Academic Institution and a Public Health organization. American Public Health Association Annual Meeting. San Diego CA, November 2018
 - **Nguyen MT**, Blando J, Olayinka O, **Akpinar-Elci**. Predictors of Asthma Attacks and Asthma Health Care Utilization in Asthmatic Adults in New Jersey After Hurricane Sandy. MASS Workshop. Rutgers University, New Brunswick, NJ, October 2018
 - **Akpinar-Elci M**, The Impact of Climate Change on Health. Turkish Association of Occupational Medicine Webinar Series. Turkey, September 2018 (keynote speaker)
 - **Kekeh M**. Review of Healthy Chesapeake Evaluation Plan with Coalition Members. Healthy Chesapeake Inc., Chesapeake, VA, June 2018
 - **Akpinar-Elci M**. Bailey K. Substance Abuse, Including the Opioid Crisis and Its Contribution to the Global Burden of Respiratory Diseases. Meet the Professor Seminars, International American Thoracic Society Meeting. San Diego CA, May 2018
 - **Nguyen MT**. Predictors of Asthma Utilization Among Asthmatic Adults in New Jersey After a Natural Disaster Event. College of Health Science Research Day. Norfolk, VA, April 2018
 - **Nguyen MT**. Global Health Opportunities at ODU. Public Health Expo. Norfolk, VA, April 2018
 - **Nguyen MT**. Asthma Management and Healthcare Utilization in New Jersey after Hurricane Sandy (Guest Lecture – Research Design Course, Dr. Jim Blando). Norfolk, VA, April 2018
 - **Kekeh M**. Current Global Health Issues- EVMS (Guest Lecturer). Norfolk, VA, April 2018
 - Redican K, **Akpinar-Elci M**. One Health and Public Health. Art and Science of Health Promotion Conference. San Diego, CA, March 2018
 - Welch N, **Kekeh M**, Fertig J. Health Equity - Aging population. Population Health Summit. Charlottesville, VA, March 2018
 - **Akpinar-Elci M**, Food and Food Security Global Perspective, Hunger Summit 2018. Norfolk VA, March 2018 (key note speaker)
 - **Kekeh, M**, Fertig J, Welch N. Chronic Diseases - Aging Population. Impacts of Community-based Interventions on Social Inclusion of Older Adults: Case of Healthy Chesapeake Program. Population Health Summit. 2018 March, Charlottesville, VA, March 2018

- **Kekeh M.** Indicators and Framework for Monitoring and Evaluation of Food Security Programs. Hunger Summit. Old Dominion University. Norfolk, VA, March 2018
- **Akpinar-Elci M,** Climate Change, Sea Level Rise, Flooding and Health. Health in a Changing Climate Conference. Richmond VA, February 2018
- **Akpinar-Elci M.** Global Health, old and new challenges. Great Decisions 2018 speaker series, World Affairs Council of Great Hampton Roads. Norfolk VA, February 2018
- **Kekeh M.** Healthy Chesapeake Evaluation Plan. Healthy Chesapeake Organization. Chesapeake, VA, January 2018

1.2.4 Funding

- **Kekeh M (PI), Nguyen MT (Co-PI), Akpinar-Elci (Co-PI).** Community Capacity Building Workshops in Hampton Roads. Hanson Foundation (2018) - \$10,000 USD (Funded)
- **Kekeh M (PI), Akpinar-Elci M (Co-PI).** Chesapeake Health Department/Family Planning \$10,000.00
- **Kekeh M (PI), Akpinar-Elci M (Co-PI).** Healthy Chesapeake Community Awareness Recourses \$15,000.00
- **Kekeh M (PI), Akpinar-Elci M (Co-PI).** Healthy Chesapeake Evacuation/ IRB Submission \$6,000.00
- **Nguyen MT (PI), Kekeh M (Co-PI), Akpinar-Elci (Co-PI).** Graduate Recruitment Grant. Old Dominion University (2018) - \$1,500 (Funded)
- **Kekeh M (PI), Akpinar-Elci M (Co-PI).** Chesapeake Health Department (2018) - \$5,000 (Funded)
- **Kekeh M (PI), Akpinar-Elci M (Co-PI).** Virginia Beach Health Department (2018) - \$5,000 (Funded)
- **ODU Center for Global Health.** Crowdfunding for Global Health Heroes Program (2018) - \$2,170 (Funded)

2 Teaching

Global Health Certification Program

The Center for Global Health launched the Graduate Certificate in Global Health in 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. Students can complete this online certificate program in one year.

In 2018, six students enrolled in the Global Health Certificate program in the College of Health Sciences at ODU. Four students completed the certificate program in 2018.

2.1 COURSES: GLOBAL HEALTH COURSES DEVELOPED AND OFFERED (FALL 2018, SPRING 2018, SUMMER 2018)

- HLSC 746. Epidemiology (16 students)– Dorothy Faulker, PhD, MPH
- HLSC 776. Global Health (33 students) – Shelley Mishoe, PhD, M.Ed.; MyNgoc Nguyen, MS
- HLSC 702. Health Management (12 students) – Shelley Mishoe, PhD, M.Ed
- HLSC 785. Issues and Opportunities in Global Health Research (8 students)– Olawaseyi Olayinka, MBChB, MPH; Michele Kekeh, PhD
- HLSC 778. Global Environmental Health (12 students) – Muge Akpinar-Elci, MD, MPH; MyNgoc Nguyen, MS
- HLSC 798. Supervised Research (1 student)– Michele Kekeh, PhD
- HLSC 768. Practicum in Global Health course (2 students) - Muge Akpinar-Elci, MD, MPH

2.2 INTERNSHIPS

Student	Degree Program	Semester	Supervisor
Ene Obeya	MPH in Public Health (George Washington State University)	Fall 2018	MyNgoc Nguyen, Michele Kekeh
Hector Pinzon	MPH (Liberty University)	Summer 2018	Michele Kekeh
Josiah Hilerio	MPH (George Washington State University)	Summer 2018	Michele Kekeh
Alethea Van Alstyne	BS in Health Sciences (Stratford University)	Spring 2018, Summer 2018	MyNgoc Nguyen
Beon Kyoung Sam	BS in Health Sciences (Old Dominion University)	Summer 2018	MyNgoc Nguyen, Michele Kekeh
Jeremy Wilson	BS in Health Sciences (Old Dominion University)	Summer 2018	Michele Kekeh MyNgoc Nguyen
Austin Acosta	BS in Health Sciences (Old Dominion University)	Summer 2018	MyNgoc Nguyen, Michele Kekeh
Marie Shoen	BS in Psychology and Medicine & Society (Virginia Polytechnic Institute and State University)	Summer 2018	MyNgoc Nguyen, Michele Kekeh
Bailey Holmes Spencer	BS in Health Sciences (Spelman College)	Summer 2018	MyNgoc Nguyen
Cecilia Innis	Norfolk Collegiate School	Summer 2018	MyNgoc Nguyen
Heideh Sirjani	PhD in Health Services Research (Old Dominion University)	Summer 2018	Michele Kekeh
Kim Orange	Old Dominion University	Spring 2018	Michele Kekeh
Ashyna Robinson	Old Dominion University	Spring 2018	Michele Kekeh
Erica Pasquier	Old Dominion University	Spring 2018	Michele Kekeh
Mohammed Alsuiman	PhD in Health Services Research (Old Dominion University)	Spring 2018	Michele Kekeh
Kiara Newhouse	MPH (National University)	Spring 2018	Michele Kekeh

2.3 ADVISING OF STUDENTS

- Rupe L. (ODU, Global Health Certificate Program), re: Service Learning Project - The Leprosy Project in China (Fall 2018). Adviser: **MyNgoc Nguyen**
- Silva C. (ODU, Global Health Certificate Program), re: Service Learning Project - ForKids - Good Mojo Project (Fall 2018). Adviser: **MyNgoc Nguyen**
- Parades S. (ODU, Global Health Certificate Program), re: Service Learning Project - Hurricane Florence Relief, Healthy Chesapeake Food Bank, Physical Education (Fall 2018). Adviser: **MyNgoc Nguyen**
- Wilson I. (ODU, Global Health Certificate Program), re: Service Learning Project - Walk for Breast Cancer Awareness (Fall 2018). Adviser: **MyNgoc Nguyen**
- Hendrick L. (ODU, MS in Dental Hygiene Program), re: Service Learning Project - Dental Care in Rural Communities (Fall 2018). Adviser: **MyNgoc Nguyen**
- Idris S. (ODU/EVMS, MPH Program), re: Service Learning Project - Senior Services: Groceries to Go (Fall 2018). Adviser: **MyNgoc Nguyen**
- Garcia M. (ODU, MS in Athletic Training), re: Service Learning Project - ForKids & Hurricane Relief Drive (Fall 2018). Adviser: **MyNgoc Nguyen**
- Eyob M. (ODU, MA in International Studies, Global Health Certificate Program), re: Service Learning Project - Women's Center (Fall 2018). Adviser: **MyNgoc Nguyen**
- Augustine C. (ODU), re: Service Learning Project - Buffalow Family and Friends Volunteer (Fall 2018). Adviser: **MyNgoc Nguyen**
- Satterwhite Megan. (ODU/EVMS, MPH Program), re: Service Learning Project - Data Management Tools/Systems for Healthcare Organizations (Fall 2018). Adviser: **MyNgoc Nguyen**
- Illinik L. (ODU/EVMS, MPH Program), re: Service Learning Project - Infectious Disease Clinic Pre-Exposure Prophylaxis (PrEP) Program (Fall 2018). Adviser: **MyNgoc Nguyen**
- Johnson K. (ODU, MS in Athletic Training), re: Service Learning Project - Medical Point of Contact for Conference (Fall 2018). Adviser: **MyNgoc Nguyen**
- Day K. (ODU/EVMS, MPH Program), re: Service Learning Project - Girl Scouts: A Brighter Tomorrow (Fall 2018). Adviser: **MyNgoc Nguyen**
- Smith R. (ODU/EVMS, MPH Program), re: Service Learning Project - Feeding the DMV (Fall 2018). Adviser: **MyNgoc Nguyen**
- Clemons B. (ODU/EVMS, MPH Program), re: Service Learning Project - Buffalow Family & Friends Community Day (Fall 2018). Adviser: **MyNgoc Nguyen**
- Hernandez A. (ODU/EVMS, MPH Program), re: Service Learning Project - Food Insecurity and Homelessness (Fall 2018). Adviser: **MyNgoc Nguyen**

- Calderon-Guthe A. (ODU/EVMS, MPH Program), re: Service Learning Project - Homelessness in Virginia (Fall 2018). Adviser: **MyNgoc Nguyen, Michele Kekeh**
- Ongkeko R. (ODU), re: Service Learning Project - Community Engagement in the Midst of Catastrophe (Fall 2018). Adviser: **MyNgoc Nguyen**
- Lee J. (ODU/EVMS, MPH Program), re: Service Learning Project - Navy Occupational Health (Fall 2018). Adviser: **MyNgoc Nguyen**
- Bjerring J. (ODU, Molecular Diagnostics Certification Program), re: Service Learning Project - Goose Landing Farm Volunteer Experience (Fall 2018). Adviser: **MyNgoc Nguyen**
- Talty L. (ODU/EVMS, MPH Program), re: Service Learning Project - Rise Against Hunger (Fall 2018). Adviser: **MyNgoc Nguyen**
- Lawrence N. (ODU/EVMS, MPH Program), re: Service Learning Project - CINCH Asthma and Allergy School Nurse Expert Program (Fall 2018). Adviser: **MyNgoc Nguyen**
- Ramirez J. (ODU/EVMS, MPH Program), re: Service Learning Project - Emergency Contraception Research Study (Fall 2018). Adviser: **MyNgoc Nguyen**
- Smith K. (ODU/EVMS, MPH Program), re: Service Learning Project - Hunger Action Day at South Baptist Church (Fall 2018). Adviser: **MyNgoc Nguyen**
- Sturgis Rachel. (ODU/EVMS, MPH Program), re: Service Learning Project - Poverty & Food Insecurity (Fall 2018). Adviser: **MyNgoc Nguyen, Michele Kekeh**
- Eslinger K. (ODU/EVMS, MPH Program), re: Service Learning Project - Buffalow Family & Friends Community Day (Fall 2018). Adviser: **MyNgoc Nguyen**
- Nilsson A. (ODU/EVMS, MPH Program), re: Service Learning Project - Hunger Action Day - Healthy Chesapeake Program (Fall 2018). Adviser: **MyNgoc Nguyen**
- Fitzgerald K. (ODU/EVMS, MPH Program), re: Service Learning Project - ForKids and Good Mojo (Fall 2018). Adviser: **MyNgoc Nguyen**
- Chinaka C. (ODU/EVMS, MPH Program), re: Service Learning Project - Hunger Action Day (Fall 2018). Adviser: **MyNgoc Nguyen, Michele Kekeh**
- Wright M. (ODU, PhD in Health Services Research), re: Service Learning Project - High School Health Clinic (Fall 2018). Adviser: **MyNgoc Nguyen**
- Sirjani H. (ODU, PhD in Health Services Research), re: Service Learning Project - Hunger Action Day at Health Chesapeake Program (Fall 2018). Adviser: **MyNgoc Nguyen, Michele Kekeh**
- 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, Michele Kekeh**

2.4 GRADUATES OF GLOBAL HEALTH CERTIFICATE PROGRAM

Student	Background	Degree Program	Semester
Pamela Raminez Graves	International Studies	MA (ODU)	Spring 2018
Deborah Gray	Nursing Practice	Global Health Certificate Program (ODU)	Spring 2018
Amanda Newbold	Biology, Public Health	MS, MPH (ODU)	Spring 2018
Johanna M Hoch	Athletic Training	Global Health Certificate Program (ODU)	Spring 2018

3 Events and Workshops

3.1. Center Hosted Events

Center for Global Health. Global Health Heroes Educational Event in Chesapeake, VA – June 4, 2018

The center hosted an educational event at a Boys and Girls Club of Southeastern Virginia community site in Chesapeake, VA.

Center for Global Health. SPARK educational event – July 26-27, 2018

The center hosted an educational event at a low-income apartment community in Chesapeake, VA.

Center for Global Health. PhotoVoice Training – August 2, 2018

The center actively participated in PhotoVoice Training in Portsmouth, VA. Faculty, staff and students from the center went into the community to take images that had a strong health message and shared their findings with the research team.

Center for Global Health. Global Health Heroes Educational Event in Suffolk, VA – August 2, 2018

The center hosted an educational event at a Boys and Girls Club of Southeastern Virginia community site in Suffolk, VA.

Center for Global Health. Homelessness Awareness Seminar – December 5, 2018

The Center hosted the homelessness seminar, sponsored by the Hansen Family Foundation at the Murray Center in Norfolk, Virginia. The event brought community members and a panel of leaders working on homelessness issues to increase awareness on the subject.

3.2. Event and Workshop Attendance

Nguyen MT, Kekeh M. NJSHAD Webinar – January 23, 2018

Faculty at the center participated in the NJSHAD training webinar by providing a case study for the presenter to review in order to demonstrate the features of the NJSHAD software.

Kekeh M, Charter M. HealthDoers Community Activation Series - 2018

From 2017 to 2018, Dr. Michele Kekeh participated in the community engagement training offered by HealthDoers. The training is part of the mentoring offered by the Robert Wood Johnson Foundation. The focus was on trust, leadership, shared power, cultural sensitivity, and ethical considerations.

Kekeh M, Nguyen MT. Dr. Aletha Maybank: A Commitment to Advance Racial Equity and Social Justice in Health - February 15, 2018

Aletha Maybank, MD, MPH, Deputy Commissioner in the New York City Department of Health and the Founding Director of the Center for Health Equity. The Center's mission is to bring an explicit focus to health equality in all of the Department's work by tackling structural barriers, such as racism, ensuring meaningful community engagement, and fostering interagency coordination in neighborhoods with the highest disease burden.

Kekeh M, Welch N, Akpinar-Elci M. Hunger Summit – March 2, 2018

Dr. Michele Kekeh and Dr. Welch presented the current status of food security in Chesapeake, VA using GIS mapping and evaluation strategies for food programs. Dr. Akpinar-Elci gave the keynote presentation.

Nguyen MT, Edmonds J. Public Health Expo - April 17, 2018

The College of Health Sciences along with several other agencies, were invited by Sentara Healthcare to participate in this community event. The attendees of this event included high school students, college students, as well as local residents. Students and residents were able to collect information from the many vendors on-site and have one on one conversation with the vendor about the many opportunities that were being offered

Kekeh M. SPARK Youth Program Meet and Greet - April 25, 2018

Parents and children in the SPARK program were invited to this meet and greet where they met with the program leaders and volunteers. Program leaders spoke with parents about their expectations and they also discussed policies, and behavior guidelines. At the end of the evening, the parents and children were given a tour of the building. Dr. Kekeh discussed the evaluation process and consent. She also received approval for surveys from the parents.

Nguyen MT. College of Health Sciences Graduate Research Day - April 27, 2018

MyNgoc Nguyen was invited to participate in this event. She prepared a poster presentation entitled "Predictors of Asthma Management and Asthma Healthcare Utilization in Asthmatic Adults in New Jersey After a Natural Disaster Event".

Kekeh M. Grant Writing Training. April – July 2018

This training was designed to build capacity of participants to be successful in corporate grant writing.

Kekeh M, Edmonds J, Nguyen MT. 5th Annual Refugee Mental Health Summit - July 11-12, 2018

The Center for Global Health participated in a mental health summit that focused on bridging cultures for treatment, healing, and recovery. The summit consisted of break-out sessions throughout the day that included panel and group discussions as well as opportunities for networking.

Kekeh M, Nguyen MT. Hunger Action Day – September 20, 2018

Dr. Michele Kekeh and MyNgoc Nguyen, along with student volunteers, helped prepare as well as disseminate food bags to a senior community in Chesapeake, VA.

Nguyen MT, Blando J. MASS Workshop – October 25, 2018

MyNgoc Nguyen was an invited speaker at the workshop. She presented on impacts of Hurricane Sandy on Asthma Attacks and Asthma-related healthcare utilization in New Jersey in 2013. The theme of the workshop was “Climate Change Resiliency and Mitigation Strategies”.

Center for Global Health. Harvest Fest – October 31, 2018

The center participated in the 2018 Harvest Fest. This fest promotes well-being and social networking among students at the ODU College of Health Sciences.

Nguyen MT, Kekeh M, Edmonds J. Akpinar-Elci M American Public Health Association Annual Meeting and Expo – November 10-14, 2018

Dr. Michele Kekeh and Myngoc Nguyen gave presentations regarding their research at the conference. The center also hosted an exhibit booth at the APHA Health Expo.

Kekeh M. Climate Change and Health Summit – December 8, 2018

The summit focused on the impacts of climate change on the health of individuals and the community.

Kekeh M. Second Strategic Planning, Healthy Chesapeake, Inc.- December 2018

During this event mentors from Robert Wood Johnson Foundation worked with coalition members to review year-1 strategic plan and defined action items for the second year.

Kekeh M - Plan4Health Physical Activity Webinar Series – APHA December 2018

4 Media

4.1 NEWS ARTICLES ONLINE

- Wahowiak L. Presenting at APHA: Another Great Part of Association Membership: Thousands to Present at APHA 2018 (Interview with Dr. M. Akpinar-Elci, Ms. MyNgoc Nguyen). The National's Health Journal. 2018. Retrieved from: <http://thenationshealth.aphapublications.org/content/48/8/3.2>
- Smith T. Harvest Fest a Huge Success. College of Health Sciences Newsletter (Internet). 2018 November. Available from: <https://www.odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2018newsletters/COHS%20November%20Newsletter.pdf>
- Dr. Nancy Welch. Center for Global Health Testimonial. 2018 August. Available from: <https://www.youtube.com/watch?v=19RdakbIV3s>
- Harrell I. Grads Shine on Research Day. College of Health Sciences Newsletter (Internet). 2018 May. Available from: https://www.odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2018newsletters/cohs_may_newsletter.pdf
- When It Rains, It Pours. College of Health Sciences Newsletter (Internet). 2018 April. Available from: https://digitalcommons.odu.edu/cgi/viewcontent.cgi?article=1061&context=healthsciences_newsletters
- Center welcomes new advisory board members. College of Health Sciences Newsletter (Internet). 2018 March. Available from: https://www.odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2018newsletters/cohs_march_newsletter.pdf
- Hnath B. Distinctive Honor Awaits Akpinar-Elci. College of Health Sciences Newsletter (Internet). 2018 January. Available from: https://www.odu.edu/content/dam/odu/col-dept/hs/docs/newsletters/2018newsletters/jan_2018_newsletter.pdf

5 Center Operational Updates

5.1 INTERNAL PROJECTS

- Completed WEAVE assessment plan for the graduate global health certificate
- Updated official Center for Global Health website
- Updated Facebook page to reach a broader audience
- Recruited new advisory board members

5.2 EXTERNAL PROJECTS

- Hosted an exhibit booth at American Public Health Association

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
- **Research Coordinator:** Michele Kekeh, PhD
- **Administrative Assistant:** Jamie R. Edmonds, AS

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, England
- **Kathleen Clark, PhD**
Assistant Professor, CDC/ NIOSH Surveillance Branch, Morgantown, WV

6.2 APPENDIX B

Advisory Board Members

Chair:

Claire Winiarek
Vice President at Megellan Health
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Members (*Alphabetic order*)

Nancy Jallo, Ph.D
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Nancy Welch, MD, MHA, MBA
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6.4 APPENDIX D

Summary of Research Activities last 3 years

Figure 1. Research Activities in 2014-2016



Table 1. Summary of Research Activities, 2014-2016

Year	Presentation Professional Conferences, Workshops, Meetings	Publications		Total
		Peer-Reviewed Journals	Technical Reports, Book Chapters	
2014	12	7	3	22
2015	20	14	7	41
2016	30	14	4	48
2017	16	5	11	32
2018	29	6	15	50