



Old Dominion University
Center for Global Health

2020 ANNUAL REPORT

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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 2020. 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 2020, the Center for Global Health increased its presence in the community with

The center also supports its faculty and students in pursuing

The Center aims to

DRAFT

Center for Global Health

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).
- **Colleagues in Care-** Collaboration on new battery technology development for blood pressure monitor (2013-2015).
- **University of New Mexico** - Collaboration for Study Abroad in Munich (2016-2017).
- **World Health Organization** - Collaboration for HealthWISE project (2016-2017).
- **University of Fortaleza, Brazil (UNIFOR)** – Collaboration with UNIFOR for Interprofessional study abroad course in Brazil (2015-2016).
- **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).

Ongoing Partnerships and Collaborations

- **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
- **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).
- **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).
- **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)
- **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)

New Partnerships and Collaborations in 2020

- **ODU Public Health Student Association** – Collaboration for Public Health Talks.

- **ODU Strome College of Business** – Collaboration to Assess the Engagement and Effectiveness of the 23-Hour Crisis Care Model. We also collaborated with the ODU Strome College of Business and the ODU Computer Sciences to design a dashboard for the Historic Triangle Drug Prevention Coalition.
- **Atlantic Shores Christian School.** Collaboration to evaluate the school garden project.
- **Parent Circle.** Collaboration to study the effectiveness of the Parent Circle programs, a Nationwide program.

1.2 RESEARCH AND SERVICE

1.2.1 Projects

Global Health Heroes Program

- ODU Center for Global Health Lead Team:
Dr. Michele Kekeh, Dr. Muge Akpinar-Elci.
- Student participants: Cara Tonn (intern), Mya Acheke (intern).
- Community Partners:
Boys and Girls Club of Southeastern Virginia- Rosemont Unit

In 2020, the Center for Global Health collaborated with the Boys and Girls Clubs at the Rosemont Unit in Virginia Beach to implement a virtual Global Health Heroes project. Ms. Cara Tonn and Ms. Mya Acheke have developed the project, the assessment tolls, and the activities to reinforce student learning. They also led the implementation. Program leaders were very helpful in coordinating the effort—the project covered the importance of social and public health measures to reduce infection from COVID-19. Students participated within six feet apart from each other.

Edlogics Health Literacy Project

- ODU Center for Global Health Lead Team:
Dr. Michele Kekeh, Dr. Muge Akpinar-Elci, Dr. MyNgoc Nguyen.
- Community Partner:
Edlogics

The Center for Global Health has developed a partnership with Edlogics to design and implement a survey within ODU to assess student's knowledge, perception and practices related to the use of the e-learning health literacy platform. The survey was implemented in Spring 2020.

Collaboration for Public Health Talks

- ODU Center for Global Health Lead Team: Dr. Muge Akpinar-Elci

- Partner: Public Health Student Association

In 2020, the Center for Global Health collaborated with the ODU Public Health Student Association (PHSA) to implement public health talks around COVID-19, the health impacts, public and social measures, and global perspective. Several discussions took place and were led by professionals in public health.

Collaboration to Assess the Engagement and Effectiveness of the 23-Hour Crisis Care Model

- ODU Center for Global Health Lead Team: Dr. Michele Kekeh, Dr. Muge Akpinar
- Community Partners: Dr. Robert McNab and Dr. Vinod Agarwal (Strome College of Business), Mark Reh fuss, Winfield, Chaniece J. (EDUC Counseling and Human Services Department), Community Service Board (Mount Rogers)

The Center for Global Health collaborated with partners from the Strome College of Business and the ODU Department of Counseling to assess the effectiveness of the 23-hour crisis model. The Center was responsible for reviewing the data analysis results and designed a report regarding the program's evaluation approach.

Collaboration to build the Historic Triangle Drug Prevention Coalition Dashboard.

- ODU Center for Global Health Lead Team: Dr. Michele Kekeh, Dr. Muge Akpinar
- Student Participants: Letrice Samuels and Hira Nadeem
- Community Partners: Dr. Robert McNab and Dr. Vinod Agarwal (Strome College of Business), Dr. Ajay Gupta (ODU Computer Sciences), Historic Triangle Drug Prevention Coalition

The Center for Global Health collaborated with partners from the Strome College of Business and the ODU Computer Sciences department to build a dashboard for substance use. Faculty members worked with students to identify internal and external data sources, including relevant metrics, to present a holistic picture regarding substance use in the region.

Collaboration to Evaluate the Parent Circle Program

- ODU Center for Global Health Lead Team: Dr. Michele Kekeh, Dr. Muge Akpinar
- Community Partners: Kathy Dial and Julie Rivnak-McAdam
Kin and Kids Consulting

The Center for Global Health has developed a partnership with Kinship to explore and define case and control groups' characteristics to assess the effectiveness of the parent circle program. In 2020, several meetings took place to review guidelines set in place by the accreditation board, including reviewing the data collection tools.

Collaboration to Evaluate a School Garden Project

- ODU Center for Global Health Lead Team: Dr. Michele Kekeh
- Community Partners: Jill Stiles and Calib Miller
Atlantic Shores Christian School
Healthy Chesapeake, Inc

The Center for Global Health has developed a partnership with Atlantic Shores Christian School to design and implement a survey to assess student's knowledge, perception, and practices related to the use of the school garden. The IRB was submitted in 2020, and a survey is currently being implemented.

1.2.2 Publications

- Hirschauer S, Karp R, Kekeh M, Akpinar-Elci, M. Service-Learning Study-Abroad and Europe's Migration Crisis – A Case Study. *Intercultural Education Journal* (in press), 2020.
- Redican K, Akpinar-Elci M. Integrating One Health into Professional Preparation Education for Public Health and Health Education Specialist. *American Journal of Health Education*, 2020. DOI: 10.1080/19325037.2020.1844099,
- Kekeh, M., Akpinar-Elci, M., Nguyen, M., & Welch, N. Innovative Framework for Academic and Public Health Departments' Partnership on Preparing Future Practitioners- Preliminary Data. *Collaborations. Journal of Community-Based Research and Practice* 2020, 3(1): 13. 1-9 DOI: 10.33596/coll.59.

- Al-Taiar A, Rahman A, Alsabah R, Shaban L, AlBaloul A, Banaee S, Akpinar-Elci M. Vitamin, D levels in relation to low back pain during adolescence. *British Journal of Nutrition* 2020. 123 (11): 1302-1311.
- Akpinar-Elci, M., Hoglund, L., ODU's Center for Global Health has new collaboration with Norfolk-based Physicians for Peace. *News at ODU*, 2020.
- Kekeh, M., Akpinar-Elci, M., Opinion: Public Acceptance of COVID-19 Vaccine hinges on sound planning. *The Virginia Pilot*, 2020.
- Mishoe, S, Akpinar-Elci, M., Coronavirus: A case of Déjà Vu?. 2020

1.2.3 Presentations

- Kekeh M, Porzig D, Welch N, Driskell C, Phillips I, Scouten S, Akpinar-Elci M. Community-based partnership for chronic disease management – case of hub, a pilot study. *American Public Health Association Annual Meeting (Virtual)* Oct 2020.
- Kekeh M, Samuels L, Akpinar-Elci M, Porzig D, Schofer W, Welch N. Perception of Bikeability and Walkability in Low Health Opportunity Index (HOI) Communities in Chesapeake, Virginia. *American Public Health Association Annual Meeting (Virtual)* Oct 2020

1.2.4 Funding

- Akpinar-Elci, M., Kekeh M. Community Capacity Building in Hampton Roads. *Hanson Foundation* (2020) -\$10,000 (Funded).
- Akpinar-Elci, M., Kekeh M. Chesapeake Health Department (2020) - \$15,000 (Funded).
- McNab R (PI), Kekeh M, Akpinar-Elci M (Co-PI). Engagement and Effectiveness of the 23-hour Crisis Care Model. *Virginia Higher Education Opioid Consortium*. (2020) -\$96,900 (Funded).
- Kekeh M (PI), Akpinar-Elci M (Co-PI). *Suffolk Public Schools Wellness Program Evaluation - Suffolk Public School* (2020) \$79,380 (Funded).
- Agarwal V (PI), Kekeh M, Akpinar-Elci M (Co-PI). Data Monitoring for Drug Prevention Coalition – The Historic Triangle Drug Prevention Coalition (HTDPC) (2020) \$40,075 (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 planning to practice in a worldwide setting. Students can complete this online certificate program in one year.

In 2020, 18 students enrolled in the Global Health Certificate program in the Center for Global Health at ODU. One student completed the certificate program in 2020, Lori Hendrick.

2.1 COURSES: GLOBAL HEALTH COURSES DEVELOPED AND OFFERED (SPRING 2020 – SUMMER 2020 – FALL 2020)

- HLSC 746/846 Epidemiology – Abdullah Al-Taïar, PhD.

- HLSC 776 Global Health – Shelley Mishoe, PhD, M.Ed.
- HLSC 702/802 Health Management – Shelley Mishoe, PhD, M.Ed.
- HLSC 785 Issues and Opportunities in Global Health Research – Michelle Kekeh, PhD.
- HLSC 778 Global Environmental Health – Muge Akpinar-Elci, MD, MPH, FRSPH.
- HLSC 798 Supervised Research – Michelle Kekeh, PhD.
- HLSC 768 Practicum in Global Health course - Muge Akpinar-Elci, MD, MPH, FRSPH.

2.2 INTERNSHIPS & ADVISEMENT

Student	Degree Program	Semester	Supervisor
Cara Tonn	MPH - ODU	Fall 2020	Michele Kekeh
Mya Acheke	HSR PhD - ODU	Fall 2020	Muge Akpinar-Elci
Ashley Davis	BSHS - ODU	Spring 2020	Michele Kekeh
Emily Kubacki	BSHS – ODU	Summer 2020	Michele Kekeh
Cherita Wright	MPH- Liberty University	Spring 2020	Michele Kekeh, co-supervisor
Sarah Scouten	Capella University	Spring 2020	Michele Kekeh, co-supervisor

3 Events and Workshops (Hosted or Sponsorship by the Center)

I have to enter this.

4 Media

5 Center Operational Updates

Add new staff Carla Knox

Bob became Board Chair

6 Appendixes

6.1 APPENDIX A

Center of Global Health Personnel

- **Director, Professor:** Muge Akpinar-Elci, MD, MPH, FRSPH
- **Assistant Director:** Michele Kekeh, PhD

- **Administrative Assistant:** Carla Knox

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:

Bob Rudman
Chief Global Products Officer
Dollar Tree Inc.
brudman@dollartree.com

Members

Nancy Jallo, Ph.D
Associate Professor
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Nancy Welch, MD, MHA, MBA
Director
Chesapeake Health Department
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6.4 APPENDIX D**Summary of Research Activities last 6 years**

Figure 1. Research Activities in 2014-2019

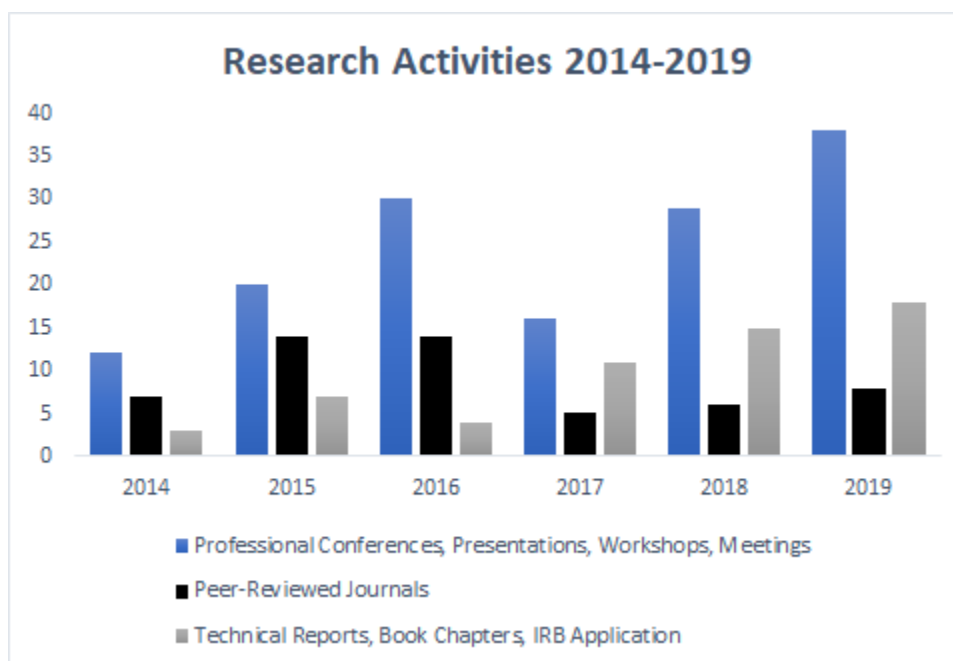


Table 1. Summary of Research Activities, 2014-2019

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
2017	16	5	11	32
2018	29	6	15	50
2019	38	8	18	64

6.3 APPENDIX D

Revenue Generated 2015-2016

Figure 2. Annual revenue generated by the center

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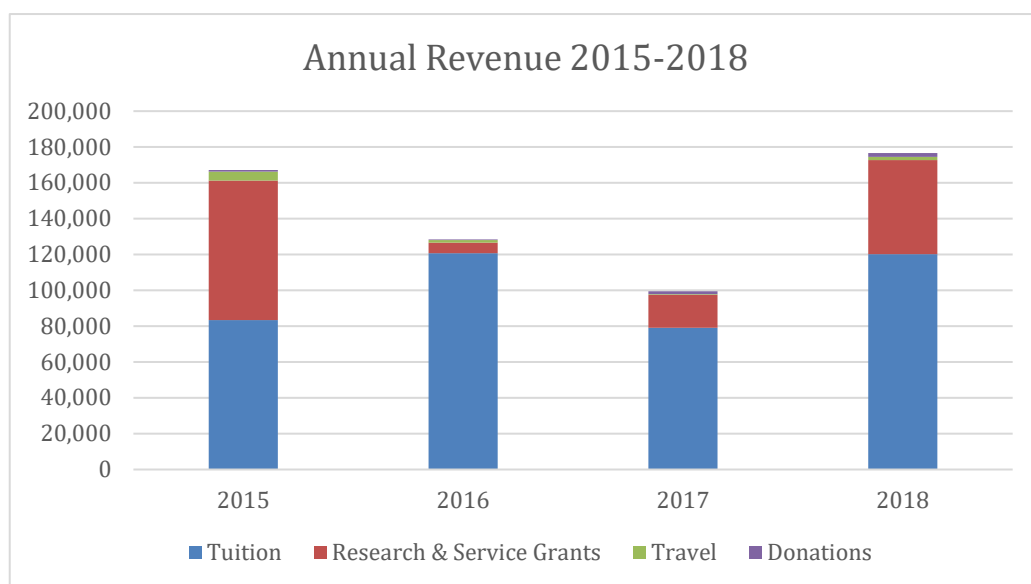


Table 2. 2016 Itemized Revenue Generate

Year	Tuition	Research & Service Grants	Travel	Donations	Total
2015	83,324	78,000	5,000	750	167,074
2016	120,668*	5,900	1,500	250	128,318
2017	79,034	18,500	280	1,712	99,246
2018	120,135	52,500	1,775	2,170	176,580

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