



Annual Report

Global Health Initiative

8/16/2016



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Global Health Initiative



OHIO
UNIVERSITY

GLOBAL HEALTH INITIATIVE



2015-2016

Mission & Vision

The Global Health Initiative engages OHIO faculty and students in collaborative, multi-disciplinary global health education, research and outreach.

Our vision is to be a global leader in the development of health professionals with the capability to promote health among diverse and underserved populations.



Long Term Outcomes

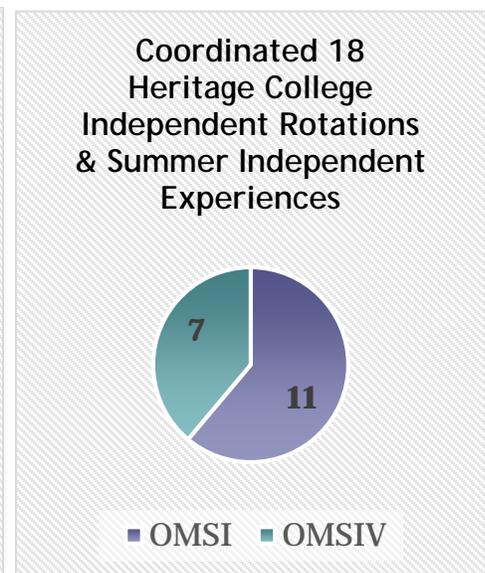
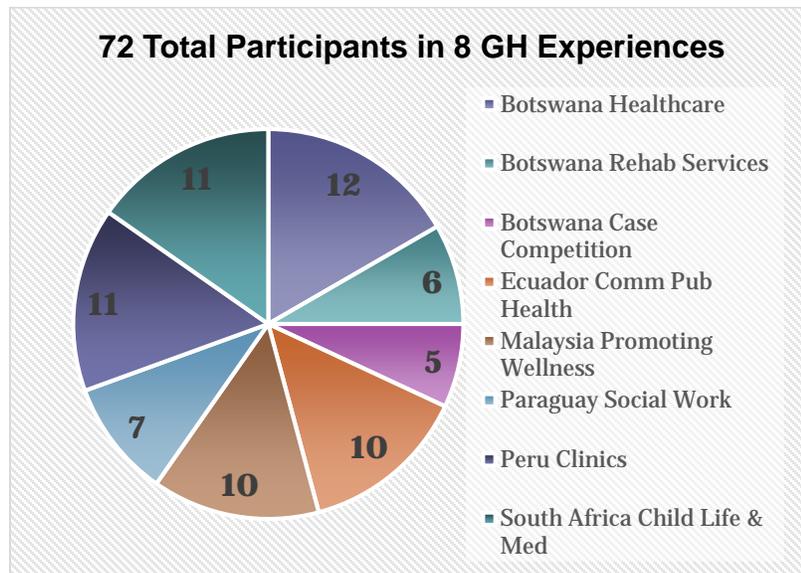
1. More culturally sensitive and globally informed workforce in the health professions.
2. Strengthening and supporting health systems in the communities where we work.
3. More globally engaged and culturally informed faculty and university.
4. Encouraging more OHIO faculty to become engaged with health and wellness in a multidisciplinary fashion.
5. More OHIO graduates in the health professions working in underserved areas.
6. Strengthening, clinical, research and practice skills.

Summary

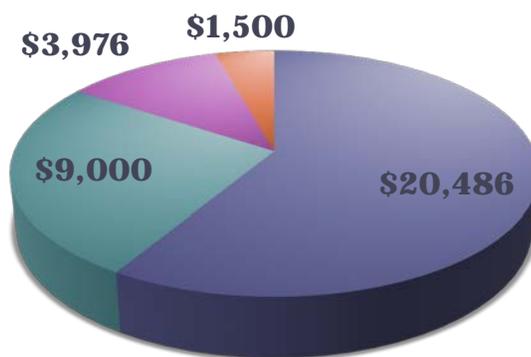
The fourth year (2015-16) of Ohio University's Global Health Initiative focused on improving and sustaining existing partnerships, educational programming, curriculum and establishment of processes, policies and procedures to ensure effective and efficient global health study abroad programming. The Global Health Task Force provided feedback on all programs and curriculum and served as a sounding board to identify best practices and improvements. The task force subcommittees continued to work as needed on curriculum, program and travel award review.

Some key **highlights** include:

- **90 medical, nursing, and social work professionals** registered for 1 or both days of **Immigrant/Migrant Health Conference** held on March 11-12, 2016.
- **\$18,300, 1804 Grant received** for Global Health Learning Outcomes and Program Evaluation
- Successful completion of **Twinning-AIHA health system strengthening activities** with the Botswana Ministry of Health and Institute of Health Sciences
- **2nd Annual Case Competition** held, with the winning team travelling to Botswana in June 2016 to explore the viability of their proposal for addressing NCD's.
- **Graduate Certificate Courses** revised and sent for approval. The certificate will be reviewed by the UCC Programs committee during the September meeting.
- **Master's Degree proposal** is progressing through the approval process and expected to be submitted to the State by December.

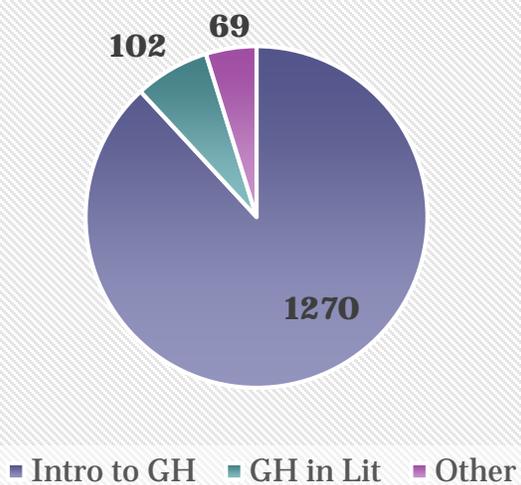


Awarded \$34,962 in Student Travel Scholarships

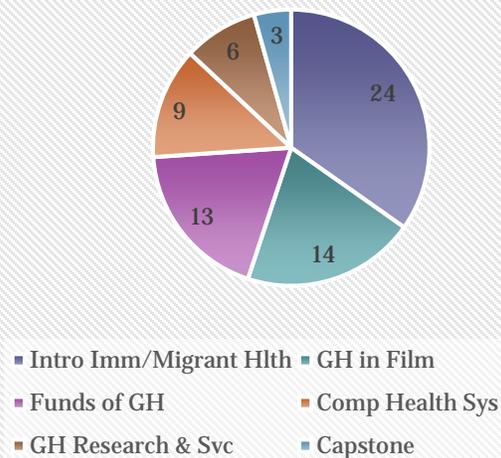


● Case Competition ● Summer Programs ● Student Research ● Ind Rotations

1441 Students Enrolled in GH Courses



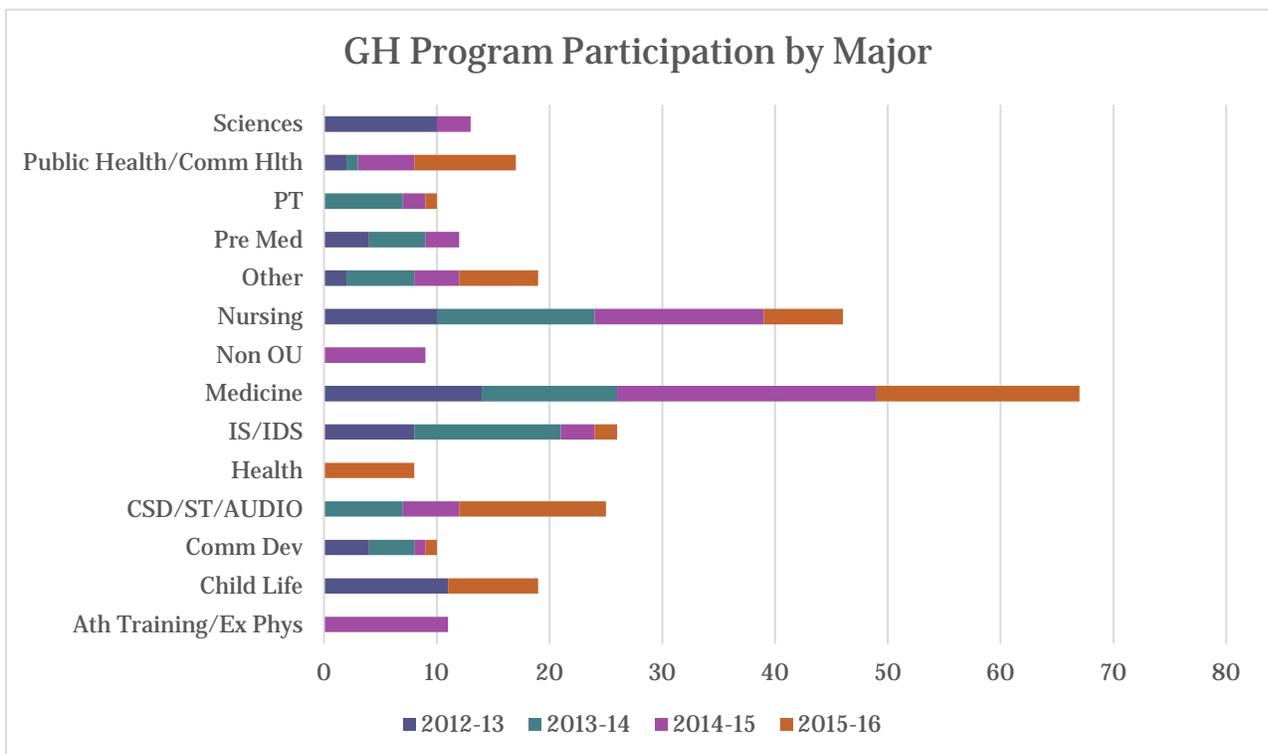
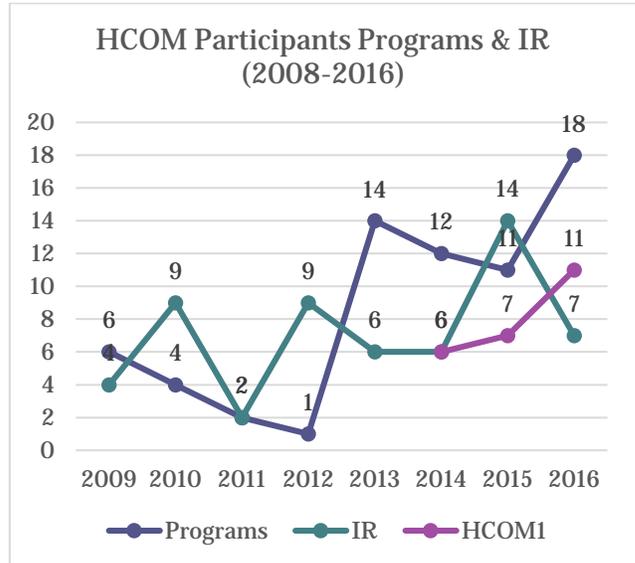
Breakdown of Other Course Enrollment



Participants Experienced 17 Different Countries



Global Health Experiences Program Participation

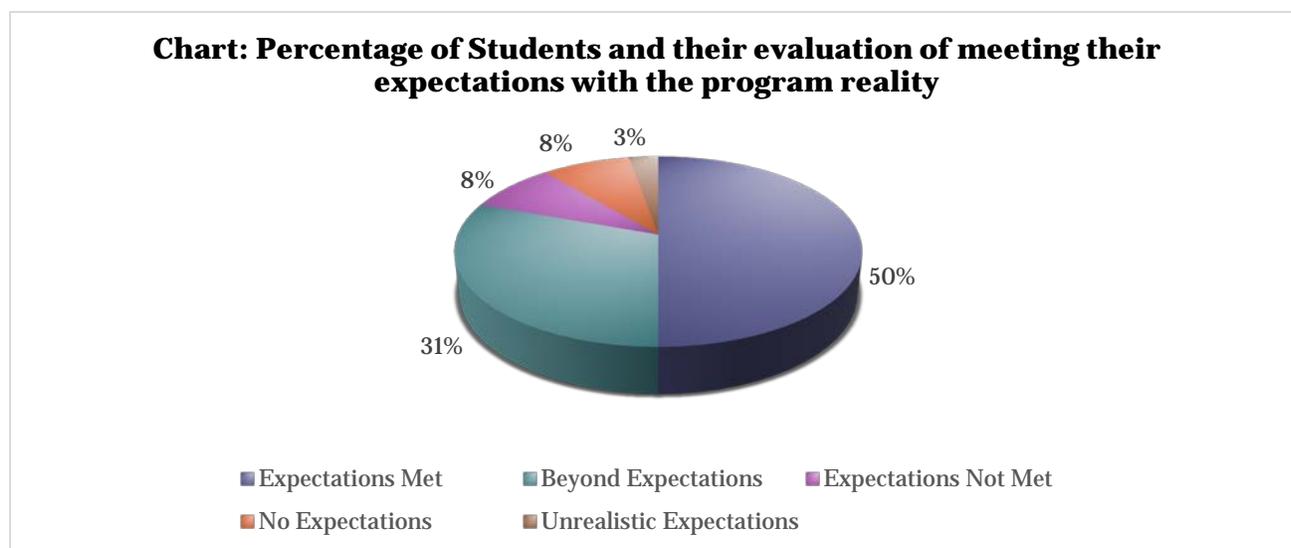


Global Health Experiences Program Evaluation

Forty-four students provided their evaluations of our programs, which is about (66%) of the total that went on the 2016 summer programs. The Paraguay (100%), Malaysia Promoting Wellness (80%), and Botswana Healthcare (75%) have the best response rates.

Included in the analysis were a subset of open ended questions asked in the student program evaluations for summer programs in 2016. These questions relate mostly to culture and cultural experiences; however some questions do include programming related issues like, factors that helped students decide on a program, student expectations prior to the program start contrasted with the reality, and any changes in the student's career goals (see Table below for the full list).

All documents were categorized by their program name and by whether or not the program met the student's expectations. Data demonstrates that 50% of the students found that the program expectations met the reality; and, 31% felt that it was beyond their expectations (see Chart below).



Typical Exemplars to Support Achievement in Content Relating to Global Health Program Objectives and Goal Outcomes

Program Outcomes & Objectives	Typical Exemplars
Recognizing that Global Health is interdisciplinary and requires teamwork and community-based approaches to service and care	I liked that our group was immersed in the culture of Peru and that we had such amazing hosts and people to work with. The whole team worked together and it felt like a large family. I also liked how the communication was so outstanding for our group. At times, we had to make compromises for our brigades, but all members of the team communicated effectively and successfully executed the brigades.

Better understanding of a health-related Issue and poverty in the global context, including the burden of disease for people in resource-poor settings

We got to see all the different aspects of life in Botswana. We saw the rich city life, and the more financially stricken village areas as well. We toured a private hospital after working in a public hospital so we really were made aware of the divide between the rich and the poor. It was good to see all these things and comprehensively learn about a culture.

Be prepared to see people with low resources. Some of these people have no running water, no electricity and it can be a shocker sometimes.

I loved Paraguay as a country so much and being able to have a firsthand experience with a third world country was an incredible experience and definitely worth all of the struggles [of getting down there and being away from home].

Learning about a culture different from their own to gain cultural humility that can be applied in both the social and medical fields

I believe this program has helped me become better qualified and sensitive to situations where culture and language could be the biggest barrier for a child and be more prepared to handle it.

Differences in marriage and birthing processes [were challenging to understand]. I was able to keep an open mind and I was able to share the experiences I have had in the U.S. with those around me. [I found] It wasn't very challenging to keep an open mind and be respectful of the differences between our cultures.

Many people in the Eastern culture believe that Westerners don't respect their elders, or simply send them off to homes when they are no longer able to care for themselves. We were able to discuss and address many of their thoughts on Western care. It was all discussion based (in the classroom setting, and at meals). We were all very eager to learn from one another.

I have a greater appreciation of individuals who are from outside the American culture. I look at it as an opportunity to learn rather than a hassle to accommodate (in a nursing home setting or in home health care).

During our time volunteering at Red Cross, we experienced different styles of discipline by parents, as well as doctors, such as using physical force with children. Though this was against our values, we had to step back and withhold these values to ensure we were not imposing our beliefs due to the fact that we were immersed in an entirely different culture, and we needed to respect that.

<p>Honing skills in participant-observation through experiential learning opportunities that do not allow students to practice outside of their skill level</p>	<p>There was a difference in the way nurses treated patients in the hospital. They just handed children their medicine and walked away, expecting them to give themselves their medicine. That was strange and scary to me, but it wasn't my place to intervene.</p> <p>This trip has provided me with the opportunity to interact with nursing students as well as contrast how medicine is performed in other countries. I think comparing medical practice is important because it forces us to consider how our own medicine is carried out as well as learn and understand from others.</p> <p>I think working with TECHO was such an impactful experience because for two weeks we were taught to be observers and to just take everything in and as social work majors all we want to do is help and it was difficult to just sit and watch all these horrible things happen to a country we all grew to love. But with TECHO, we all finally felt like we were doing something and actually giving back to this country that took us in with open arms without question. I also really enjoyed all of the agency visits and getting to experience international social work on a firsthand account was awesome.</p>
<p>Improving foreign language and communication skills through interaction with local people in both the social and medical contexts</p>	<p>The language barrier was much larger than expected. Acting out different tasks (e.g., taking off shoes, presenting arm for BP cuff, etc.) was a very helpful way to communicate what was needed in a respectful manner. Paraguayans are extremely accepting and were so happy to be able to share their culture with us so by the end of our trip, we were very educated. I was taught a LOT of Guarani (which is their countries foreign language) and when you speak to them in their language they get really excited and you connect with them on another level and they definitely respect you for it. We also tried to engage with the members of the community as much (and as well) as we could and they respect (and laugh at) our efforts. By far the best way to engage with the members of the communities is through the kids. I enjoyed being able to immerse myself in the Malaysian culture and having the opportunity to interact with so many individuals. Despite there being a language barrier with many of the adults, nonverbal communication was very important and possibly more valuable than any words I could have spoken. Being able to connect in such a positive manner with so many people shows that no number of differences can overcome genuine people.</p>
<p>Increasing global networks with local people, fellow students, and program directors through making connections on human healthcare and well-being</p>	<p>We worked with the Universiti Kebaangsan Malaysia, and that's how I met the majority of people in Malaysia. The students were amazing and were just as curious of us as we were of them. They were extremely helpful.</p> <p>My participation in this program has helped me network and gain connections that hopefully will be partners in my future research to help me target a more global population, and not just the U.S.</p>

Clarifying (or defining) their role in future career goals related to health and health care with underserved populations

It definitely has given me more thought about how I want to approach medicine and how I'd like to impact my patients in the most positive way I can.

My participation in this program has confirmed my desire to deliver healthcare to impoverished communities worldwide and was a great experience to get my feet wet since I am hoping to take part in some medical missions throughout my career.

This program has definitely broadened my horizons on what I can do with my social work degree and has definitely lead me into considering others options I have never considered before, and not just with my social work degree. As in next summer I actually plan on going back to Paraguay (hopefully) and working with TECHO on building houses all summer. I also am strongly considering joining the Peace Corps after I graduate as well.

It affected my interests/career plans greatly because now after graduation I may want to take part in an accelerated nursing program.

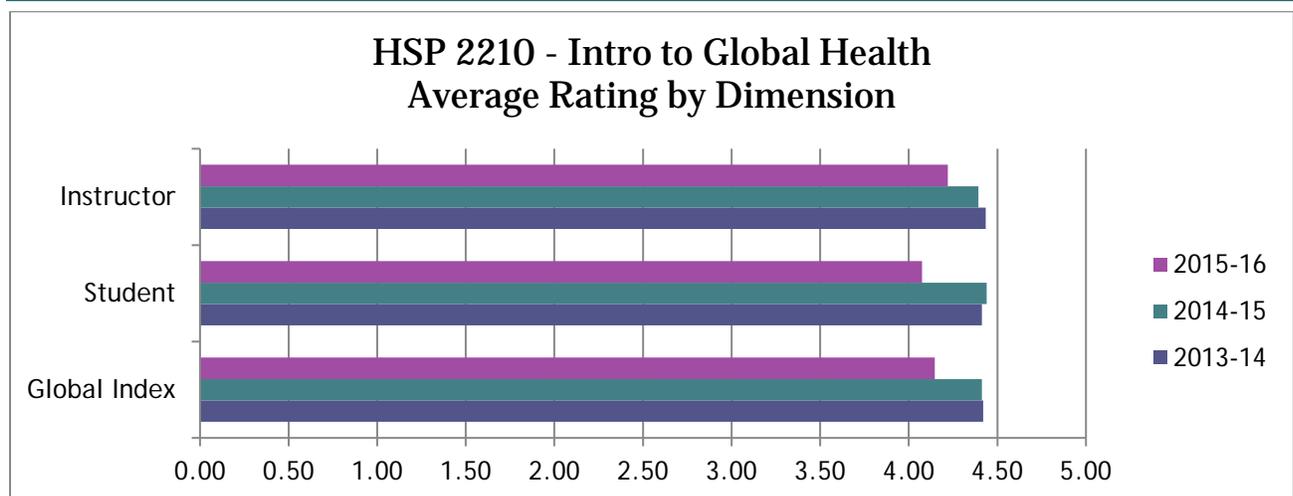
Participation in this program has sparked a deeper interest in pursuing family medicine.

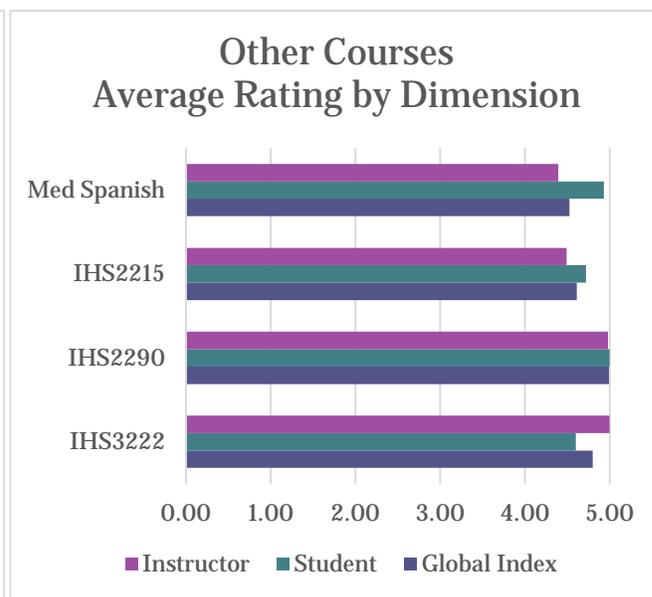
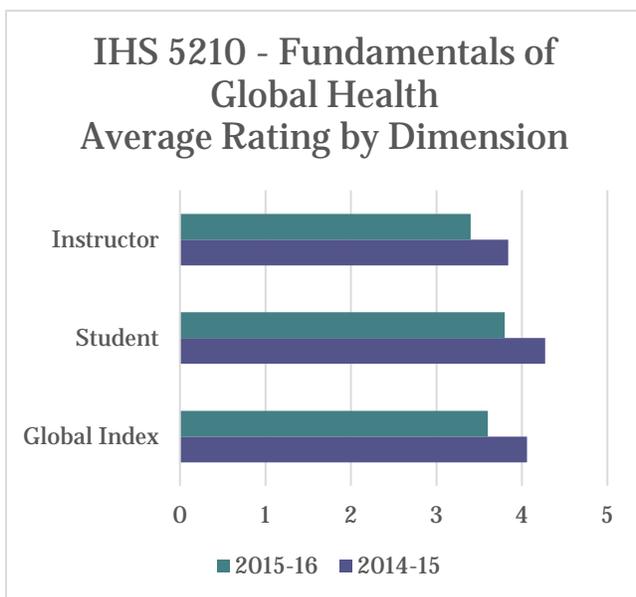
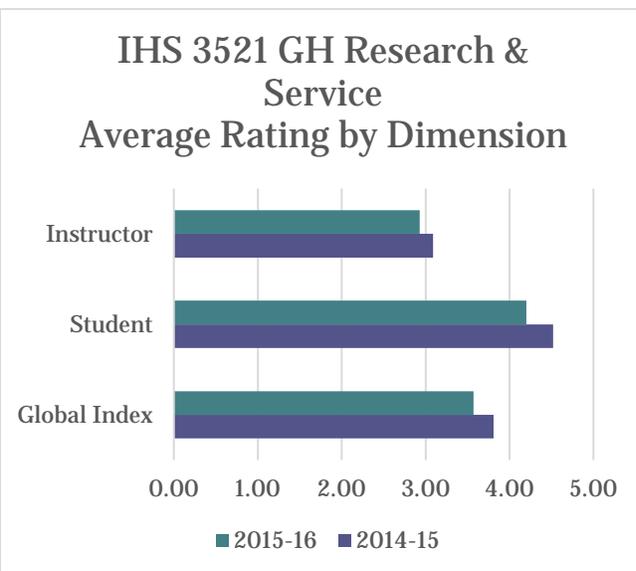
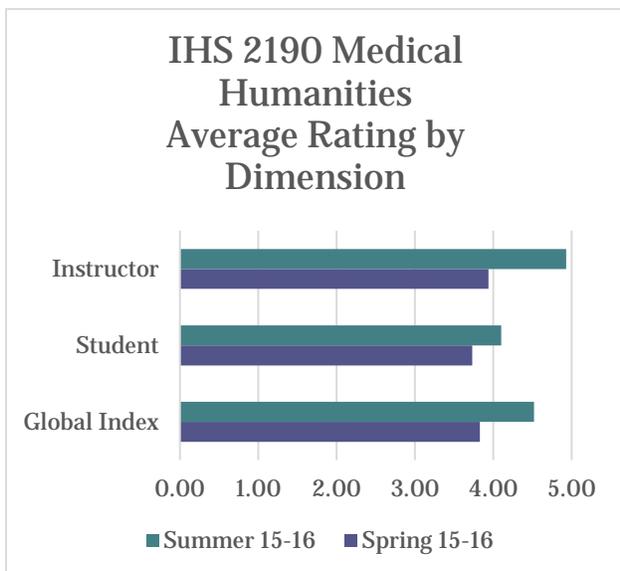
I hope to complete a Graduate Global Health Certificate at OU as well as incorporate more global experience in my education and future career. The importance of community service at home and abroad throughout my entire career was also solidified for me.

I was a Health Services Administration major going in to this trip, and by the time I got home, I really wanted to be a Public Health major. I became so interested about how public health effects communities everywhere.

It has greatly increased my interests in Emergency Medicine as well as Peds!

Global Health Course Evaluation





Events & Other Activities

Immigrant Migrant Conference

Attendance

Nearly 90 people registered for one or both days with 78 registered/attending Friday and 43 registered/attending on Saturday of which 13 were students. A large proportion of attendees were professionals from the Columbus area.

Budget

We received \$6,855 from conference fees and CIS added \$1,572 for the keynote, allowing us to cover all of our costs despite opening it to students for little or no cost.

Evaluations

Day 1: <u>Basic Program Evaluation</u>	Excellent	Good	Poor
Did the program meet your expectations in accomplishing the stated educational objectives?	36	10	0
I have gained knowledge that will improve patient care.	36	10	0
Please provide your overall rating of the quality of the education offered at this program.	37	9	0

Day 2: <u>Basic Program Evaluation</u>	Excellent	Good	Poor
Did the program meet your expectations in accomplishing the stated educational objectives?	27	3	0
I have gained knowledge that will improve patient care.	26	4	0
Please provide your overall rating of the quality of the education offered at this program.	27	3	0

Comments mostly focused on the need for additional programs with greater emphasis on specific groups and more time for discussion and questions. Other than problems with signage, attendees liked the location and facilities.

Future conferences

Several individuals, both in person at the conference and in evaluation comments, asked that we offer a similar conference again. They stated that there isn't enough training and programming on the topic and that there is a growing need throughout Ohio for health professionals to understand the immigrant and migrant populations. Kate Conway, a physician from Wright State, suggested that we collaborate with other Ohio universities and offer a state-wide program.



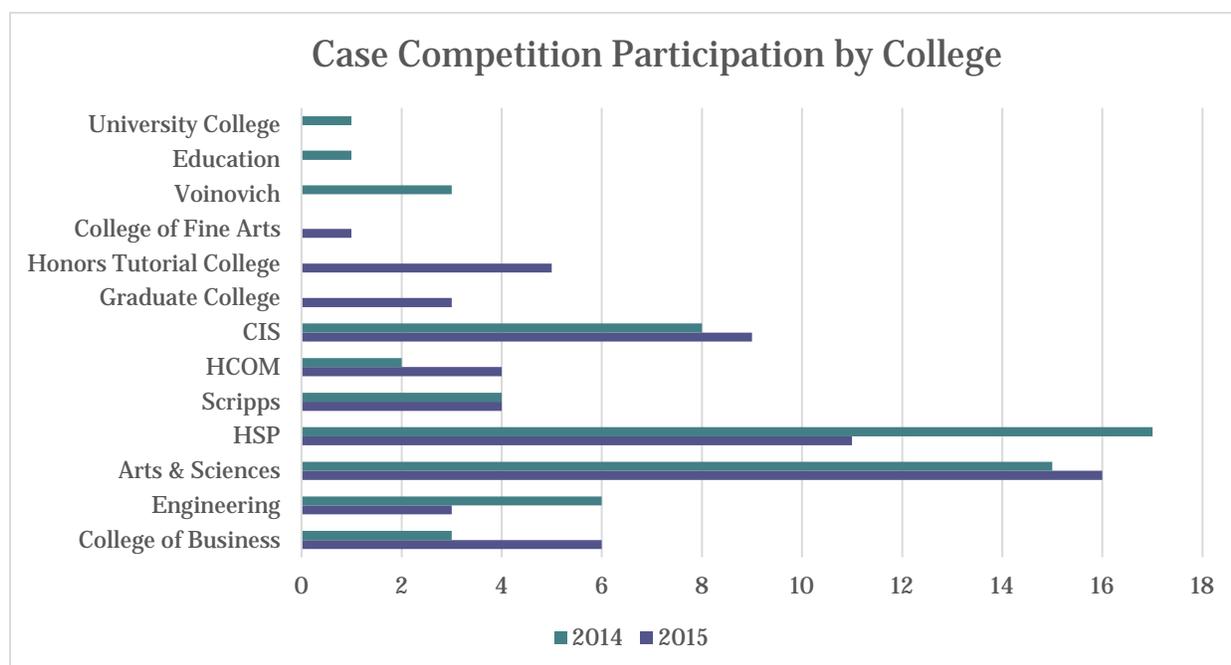
The winning team with the U.S. Ambassador from Botswana

Global Health Case Competition

The second annual Global Health Case Competition was held on November 19, 2016 during International Education Week. Fifteen teams competed in the competition, with 6 teams progressing to the presentation stage of the competition. Teams were made up of 4 students from at least 2 colleges and 4 different disciplines. The competition tasked the students to design a multi-faceted approach to deal with the growing numbers of non-communicable diseases in Botswana. Our in-country faculty Marape Marape along with the Institute of Health Sciences, the University of Botswana, and Deborah Meyer developed the case for 2015.

Graduate students, Kingsley Antwi-Boasiako, Kumba Gborie, Kingsley Lims Nyarko, and Keithe Phetlhe were this year's winning team. Their winning proposal presented a multi-level approach to address both the provider availability and community involvement to address the increasing numbers of those affected by chronic diseases. The proposal integrated government internship programs, mobile clinics, and a media campaign that addressed both early detection and prevention of non-communicable diseases.

The winning team along with one member from the second team, Jared Ruese, a junior business marketing major, traveled with faculty member, Deborah Meyer in June 2016. While in-country, OHIO students along with nominated peers from the University of Botswana met with key stakeholders at the Ministry of Health, the University of Botswana, and media celebrities to evaluate the feasibility of their proposal and to develop a program that aims to promote awareness of childhood hypertension. An article by Paige Bennett and Jim Phillips on July 29, 2016, "[OHIO students promote health education in Botswana](#)", outlines the focus on early prevention and detection. The students worked on a final document with the Ministry of Health to establish next steps in their program, as well as short- and long-term goals and how they will work in collaboration with the University of Botswana. A framework for an ongoing study abroad program in Botswana commencing in June 2017 is currently underway.



Marketing/Awareness Events

- Global Opportunities Fair – September, 14, 2015
- Presentation to Heritage College Year 1 - September 18, 2015
- Presentation to Heritage College Cleveland – October 12, 2015
- International Summer Global Health Experience Presentations – November, 2015
- Global Health Case Competition – November 19, 2015
- World Aids Day – Co-marketing speaking event with AMSA – December 1, 2015
- World Health Day Event – Co-sponsored with the Diabetes Institute a Diabetes Fair and Speaker on Diabetes Assist Dogs at Alden Library – April 7, 2016
- Taste of Study Abroad – April 16, 2016

Student Awards

Emily Herfel was awarded with the 2016 Heritage College Global Health Award. This award is given annually to a graduating medical student who has shown a commitment to Global Health through their four year career at the Heritage College.



Emily Herfel while participating in the Botswana Healthcare Program in 2013

Committees

Gillian Ice, Ph.D. MPH, served as Chair of the university Study Abroad Committee and participated on the University International Committee.

Debra McBride, MA, served on the Heritage College of Osteopathic Medicine Admissions Committee and the University Service Learning Committee.

Deborah Meyer, Ph.D., RN, served as co-director of International Education Week, November 16-20, 2015. Health was the focus of IEW in 2015.

Achievements/Recognition

Gillian Ice, Ph.D., MPH, director of the Ohio University's Global Health Initiative, became a Full Professor.

2015-16 Grants

- | | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| \$1,000 | Shaw, Kerri. OU Center for Campus and Community Engagement. Service learning grant to help build a house with TECHO in Paraguay as part of the Paraguay Social Work Study Abroad Program. |
| \$2,000 | Knowledge, perception and utilization of cervical cancer screening and Human Papillomavirus (HPV) vaccination among Somali immigrants in Central Ohio. PI: Caroline Kingori (PI); Zelalem Haile (Co-PI). Funder: OU Department of Social and Public Health Interdisciplinary Research Award. Awarded January 2016. |
| \$10,000 | Biomarkers associated with disease progression in HIV/AIDS patients at an antiretroviral clinic in Ghana. Zelalem Haile (PI) ; Bismark Sarfo (Co-PI); Evelyn Bonney (Co-I). Funder: OUHCOM Research and Scholarly Award Committee (RSAC). Awarded April, 2016. |
| \$17,970 | Meyer, Deborah, Ohio University 1804 Grant. Global Health Case Competition. |
| \$18,300 | Ice, Gillian, McBride, Debra and Machtmes, Krisanna. Global Health Learning Outcomes and Program Evaluation. (2016-2018) |
| \$108,000* | Ice, Gillian. Twinning – IHSG and Ohio Partnership for curriculum development and training in Botswana. *\$73,000 available for OHIO travel and workshop delivery expenses. |

Botswana Twinning Partnership

The OU-IHS-G Twinning Partnership has been supported by the American International Health Alliance (AIHA) since 2013. This partnership with the Institutes of Health Sciences has been focused on health systems strengthening, with an emphasis on curriculum development in nursing. AIHA receives funds from CDC-PEPFAR and HRSA to support these project. Partnership activities have included a variety of exchange visits to and from Botswana. Faculty from both CHSP and HCOM have participated. Initially the focus of the project was assisting IHS-G to upgrade their curriculum from a diploma program to a degree program. In the past year, the focus has been on integrating HIV/AIDS learning outcomes across all curricula taught at IHS. This year, we hosted the principal of IHS and the Ministry of Health IHS coordinator at Ohio University in November, 2015. Sallie Marinellie and Debra McBride traveled to Botswana to provide a curriculum development workshop at IHS in February 2016. In June 2016, Gillian Ice, Marape Marape, Caroline Kingori and Zelalem Haile held research workshops. The first workshop was for IHS faculty who had not previously participated in the OU-MOH-University of Botswana Research Training Program. The purpose of the program was to provide a basic overview of the research process. The second week was a continuation of the 2015 Research Training Program with previous participants and the newly trained IHS faculty. One of the goals of the initial training program was to assist the Botswana MOH to analyze and publish results from their national HIV/AIDS survey, Botswana AIDS Impact Survey (BAIS). At the start of the week, participants given an overview of the BIAS survey and asked to pick a topic. Throughout the week, participants were given instructions on the process of completing secondary data analysis and presentation/manuscript preparation. On the last day, the trainees, in four groups, presented the results of their projects. The OU faculty are currently working with the teams to develop these presentations into manuscripts. One abstract has been submitted. The success of these workshops has encouraged the team to seek funding to continue and expand a research training program for Botswana and beyond. GHI has been awarded a sub-grant for the twinning project of \$15,000. While the project officially closes in September 2016, an additional curriculum development exchange is planned for February 2017.

Presentations, Publications and Research

- Basta, T, James, Meyer, D, C, Ice, G (2016) Ohio University Global Health Case Competition: Lessons learned from a unique interprofessional study abroad experience. Presented at the Association for Prevention Teaching and Research, March 2016.
- Bianco, J.A., Ice, G.H., Sadruddin, A., & Juma, E. (2015). "Burdens that Heal: Narrative Accounts of Late-Life Caregiving in Kenyan Luo Grandparents". Presented Ice, GH, Haile, ZT. (2016) Co-residence, Health and Wellbeing among Older Adults in China and India. Presented at the Population Association of America Meetings, March, 2016.
- Bianco, J.A., Ice, G.H., Sadruddin, A., & Juma, E. (2015). "Burdens that Heal: Narrative Accounts of Late-Life Caregiving in Kenyan Luo Grandparents". Presented at the 68th Annual Scientific Meeting of the Gerontological Society of America, Orlando, FL.
- Chertok, I., Silanikove, N., Eventov-Friedman, S. **Haile, ZT**. Influence of Gestational Diabetes on Metabolite Concentrations in Human Colostrum. 10TH Congress of the International Society of Nutrigenetics & Nutrigenomics. May 22-26, 2016. Tel Aviv, Israel.
- Haile, ZT. (2015). Healthcare Disparities in Underrepresented Communities. 2015 Student National Medical Association Region V Conference. Nov 13-14, 2015 Dublin, OH.
- Haile, ZT., Chavan, B., Teweldeberhan, AK. (2016). The Influence of Language Proficiency and Duration of Residence on Breast and Cervical Cancer Screening among African Immigrant Women in the United States. Northwest Regional Conference on African Immigrant Health. March 19-20, 2016. Seattle, WA.

- Haile, ZT., Chavan, B. (2016). The Influence of Acculturation on Breast and Cervical Cancer Screening among Immigrant Women in the United States. Immigrant and Migrant Health Conference. March 11-12, 2016. Dublin, OH.
- Haile ZT., Teweldeberhan AK, Chertok IR. (2015). Association between oral contraceptive use and markers of iron deficiency in a cross-sectional study of Tanzanian women. *International Journal of Gynecology and Obstetrics*. 132(1):50-4. doi: 10.1016/j.ijgo.2015.06.040. Epub 2015 Sep 21. PMID: 26456804
- Haile ZT., Teweldeberhan A, Chertok IR. (2015). Correlates of Women's knowledge on mother to child transmission of HIV in Tanzania. *AIDS Care*. 28(1):70-8. doi: 10.1080/09540121.2015.1062465. Epub 2015 Aug 17. PMID: 26278589
- Haile, ZT., Teweldeberhan AK, Kingori, C. (2015). Association between hormonal contraceptive use and markers of iron status among women in Tanzania. American Public Health Association 143rd Annual Meeting and Expo Oct 31 – Nov 4, 2015, Chicago, IL
- Howard, S. (2016). Transformative educators, transactional institutions: Global partnerships on contested terrain. Ohio State University. June, 2016, Columbus, OH
- Ice, GH, Dufour, DL, Stevens, NS (2015) Disasters in the field: Learning from the challenges of fieldwork gone wrong. Presented at the American Anthropological Association meetings, November 2015.
- Ice, GH, Haile, ZT. (2016) Co-residence, health and wellbeing among older adults in South Africa and Ghana. *American Journal of Human Biology*. Presentation at the Human Biology Association Meetings, April, 2016.
- Ice, G., Haile, ZT. (2016). Co-residence, Health and Wellbeing among Older Adults in South Africa and Ghana. 41st Annual Meeting of the Human Biology Association. April 13-14, 2016. Atlanta, Georgia.
- Ice, G., Haile, ZT. (2016). Co-residence, Health and Wellbeing among Older Adults in India and China. Population Association of America 2016 Annual Meeting. March 31-April 2, 2016. Washington, DC.
- Ice, GH & Sadrurddin*, AFA (2016). Benefits and Burdens of Caregiving on Aging, Health, and Quality of Life. Presented at the American Association for the Advancement of Science, February 2016.
- Kingori, C., LeMaster, C., Hassan, Q., Elmi, A., Mukasa, B., Reece, M. (In press). Recommendations for Developing Contextually Relevant HIV/AIDS Prevention Strategies Targeting African-born Immigrants and Refugees in the US. *The Journal of AIDS Patient Care and STDs*
- Kingori, C, Ice, GH, Hassan*, Q & Elmi*, A (2015) "If I went to my mom with that information, I'm dead". Sexual Health and HIV/AIDS Knowledge among immigrant Somali Youth in Ohio. Presented at the American Public Health Associations Meetings, November 2015.
- Kingori, C., Ice, G., Hibaqaye, Q., Elmi, A., Perko, E. "If I went to my mom with that information, I'm dead." Barriers to sexual health knowledge among immigrant Somali Youth in the Midwest. *The Journal of Ethnicity and Health*.
- Kingori, C., Bianco, J., Pavey, L., Jamu, L., Said, N., Silmi, K., Marape, M. Overcoming the Culture of Silence: A Qualitative Study of Communication Strategies to Address Sexual Violence among Orphans and Vulnerable Children in Botswana. *The Journal of Culture, Health & Sexuality*.
- Kingori, C., Bianco, J., Pavey, L., Jamu, L., Marape, M., Said, N., Silmi, K. (2016). Recommendations for Developing Culturally Appropriate Communication Strategies to Address Sexual Violence among Orphaned and Vulnerable children in Botswana. To be presented To be presented in October, 2016 at the American Public Health Association's (APHA) 144th Annual Meeting and Expo. Denver, CO.
- Kingori, C., Ice, G., Hassan, Q., Elmi, A. (2015). "If I went to my mom with that information, I'm dead". Sexual Health and HIV/AIDS Knowledge among immigrant Somali Youth in Ohio. Presented in November, 2015 at the American Public Health Association's (APHA) 143rd Annual Meeting and Expo. Chicago, IL.

- Mort*, SC, Ice, GH, Haile, ZT (2016). The association between obesity, happiness and quality of life among older adults in South Africa and Ghana. *American Journal of Human Biology*. Presented at the Human Biology Association Meetings, April, 2016.
- Mort, S*. Ice, G., Haile, ZT. (2016). Association between Obesity, Happiness and Quality of Life among Older Adults in South Africa and Ghana. 41st Annual Meeting of the Human Biology Association. April 13-14, 2016. Atlanta, Georgia.
- Ongito, J, Ice, GH, McBride, D. (2016) Global health programs: medical students' choices of specialty and practice location. Presented at the American Association of Colleges of Osteopathic Medicine, February, 2016.
- Park, G*., Frost, K., Chavan, B., Haile, ZT., Chavan, B. (2016). Association between changing diet and chronic disease status among immigrants in the United States: A population based study. Immigrant and Migrant Health Conference. March 11-12, 2016. Dublin, OH.
- Ruppert, M., Zaworski, M., Haile, ZT. (2016). Differences in self-reported food insecurity between immigrants and US citizen patients receiving care at an urban free clinic in Columbus. Immigrant and Migrant Health Conference. March 11-12, 2016. Dublin, OH.
- Silmi, K.P., Zewdu S, Said, N, Kingori C, Bianco, J, Pavey L, Jamu L, Marape M. (2015). Sexual Violence Among Orphaned Children in Botswana: identifying Risk and Protective Factors for Effective Prevention and Response. CUGH Global Health Conference. Boston, MA.
- Taylor*, S, Ice, GH, Haile, ZT. (2016) Preventing health behaviors, and Quality of Life. Presented at the Population Association of America Meetings, March, 2016.
- Taylor, S*. Ice, G., Haile, ZT. (2016). Preventive health behaviors and quality of life. Population Association of America 2016 Annual Meeting. March 31-April 2, 2016. Washington, DC.
- Wright, J. (2016). Service learning in Botswana. Ohio Speech and Hearing Association Student Poster Presentation. March, 2016. Columbus, OH.

*Students