

The Intersection of Pharmacy and Global Health

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Impilo Yonke Mental Health-HIV/AIDS

Partners: Mpilonhle Sanctuary Organization and Ladysmith Provincial Hospital

Location: Ladysmith, KwaZulu-Natal, South Africa

Description: provide coordinated care model integrating clinical and community health care services for mental health disorders, substance abuse, and HIV/AIDS

Role:

- Trained staff in development and evaluation of continuing medical education
- Trained primary care health professionals in management of substance abuse and drug-drug interactions
- Developed monitoring and evaluation framework



Umama noSana Uthukela- Maternal Health

Partners: Mpilonhle Sanctuary Organization, University of Kwazulu Natal- Nelson Mandela School of Medicine

Location: Ladysmith, KwaZulu-Natal, South Africa

Description: mobilize community to improve demand for maternal and child health services and revive clinic committee (CC) programs as to ensure community participation and service provider accountability

Role:

- Assessed functionality of township CCs
- Developed household surveys to assess community needs
- Developed Information, Education, and Communication materials



Community Health Education

Partners: Mpilonhle Sanctuary Organization, Department of Health-Steadville Clinic

Location: Ladysmith, KwaZulu-Natal, South Africa

Description: provide interactive diabetes and nutrition programming in clinic waiting area



Purpose

To showcase the integration of clinical pharmacy into a global health context to improve health outcomes in underserved populations and resource-constrained settings during a PGY2 Public Health Residency

Global Health Defined

	Global Health	Public Health	International Health
Geography	Focuses on issues that directly or indirectly affect health but that can transcend national boundaries	Focuses on issues that affect the health of the population of a particular community or country	Focuses on health issues of countries other than one's own, especially those of low-income and middle-income
Levels of Cooperation	Development and implementation of solutions often requires global cooperation	Development and implementation of solutions does not usually require global cooperation	Development and implementation of solutions usually requires bi-national cooperation
Individuals Or Populations	Embraces both prevention in populations and clinical care of individuals	Mainly focuses on prevention programs for populations	Embraces both prevention in populations and clinical care of individuals
Access to Health	Health equity among nations and for all people is a major objective	Health equity within a nation or community is a major objective	Seeks to help people of other nations
Range of Disciplines	Highly interdisciplinary and multidisciplinary with and beyond health sciences	Encourages multidisciplinary approaches, particularly within health sciences and with social sciences	Embraces a few disciplines but has not emphasized multidisciplinary

Koplan JP, et al. Towards a common definition of global health. *Lancet*. 2009; 373: 1993-1995.

PGY2 Public Health Residency

- The State University of New Jersey, Rutgers and Bristol-Myers Squibb Foundation (BMSF)
- Goal: improve health outcomes through systems approach and decrease health disparities in areas like HIV/AIDS, type 2 diabetes and cancer
- 12-month program:
 - 6 months with *Secure the Future Program* in southern Africa
 - 6 months with BMSF initiatives in the United States

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Baylor-Bristol-Myers Squibb Children's Clinical Centre of Excellence

1. Partner: Pharmacy department

Location: Maseru, Lesotho

Description: assess medication storage and handling practices among primary care givers (PCGs) and adolescents

2. Partner: Tuberculosis (TB) working group

Location: Mbabane, Swaziland

Description: assess the knowledge, attitudes, and behaviors of PCGs and adolescents regarding isoniazid preventative therapy for TB



Mississippi Delta Region Together on Diabetes

Partner: Mississippi Public Health Institute

Location: Mississippi Delta and Jackson, MS

Description: pilot Patient Centered Medical Home (PCMH) model for Medicaid patients with type 2 diabetes, expand access to diabetes self management education, and mobilize communities to increase access/utilization of healthy eating/living

Role:

- Conduct assessment site visits
- Rotated through MS State Legislature and different clinical models of care for chronic diseases through University of Mississippi School of Pharmacy
- Consulted the development of diabetes management clinic



Johns Hopkins Together on Diabetes

Partner: Johns Hopkins Center for American Indian Health

Location: Chinle, AZ

Description: using the Family Health Coach (FHC) model, youth 10-19 years in southwestern tribal communities at risk or living with type 2 diabetes are engaged in family-based diabetes care, prevention and lifestyle change curriculum

Role:

- Develop medication and diabetes training for FHC and educational module for participants' support persons
- Develop electronic health record template
- Perform home visits to youth participants
- Staff Indian Health Service chronic disease management clinics

