The Intersection of Pharmacy and Global Health

Diane Nguyen, PharmD
Baylor College of Medicine, Houston, Texas

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

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 developed of diabetes management clinic

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

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

Pfizer

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

<table>
<thead>
<tr>
<th>Global Health Defined</th>
<th>Global</th>
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<tbody>
<tr>
<td>Geography</td>
<td>Focuses on issues that directly or indirectly affect health but that can transcend national boundaries</td>
<td>Focuses on issues that affect the health of the population of a particular community or country</td>
<td>Focuses on health issues of countries other than one’s own, especially those of low-income and middle-income</td>
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<td>Levels of Cooperation</td>
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<td>Individuals/Populations</td>
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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

Acknowledgments
To the preceptors and mentors who facilitated these opportunities and provided guidance:
Joseph Barone, PharmD; John Damonti, MSW; Evelyn DeSantis, PharmD; Patricia Doykos, PhD; Benyf Mohn; Phangisile Mthathl; Michael Toscani, PharmD

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