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

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

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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>Geography</th>
<th>Global Health</th>
<th>Public Health</th>
<th>International Health</th>
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<tbody>
<tr>
<td></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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<tr>
<td>Levels of Cooperation</td>
<td>Development and implementation of solutions often requires global cooperation</td>
<td>Development and implementation of solutions does not usually require global cooperation</td>
<td>Development and implementation of solutions usually requires bi-national cooperation</td>
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<tr>
<td>Individuals Or Populations</td>
<td>Embraces both prevention in populations and clinical care of individuals</td>
<td>Embraces both prevention programs for populations</td>
<td>Seeks to help people of other nations</td>
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<tr>
<td>Access to Health</td>
<td>Health equity among nations and for all people is a major objective</td>
<td>Health equity within a nation or community is a major objective</td>
<td>Encourages a few disciplines but has not emphasized multidisciplinarity</td>
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<tr>
<td>Range of Disciplines</td>
<td>Highly interdisciplinary and multidisciplinary with and beyond health sciences</td>
<td>Encourages multidisciplinary approaches, particularly within health sciences and with social sciences</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

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