

address their unique health issues. This survey will provide us with preliminary data from which to draw on to create curricula addressing these issues.

**Source of Funding:** None.

**Abstract #:** 2.040\_HHR

### The F-T-E Approach for Global Care Delivery in Remote Settings

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**Background:** The delivery of healthcare services in remote settings in low and middle income nations remains a significant challenge on a global scale. Telemedicine offers a means to provide point of care services via global E-visits in capacity-constrained situations. We posit that key elements of a telemedicine comprise an F-T-E approach that include: 1) Facility for care delivery in remote settings; 2) Technology for connectivity and managing the clinical encounter, and 3) Expertise in clinical medicine.

**Methods:** To develop an integrated model for remote care delivery we have addressed each of these elements by developing a mobile health care facility, integrating applications for utilization, and considering a model for care capacity.

**Findings:** First, we have designed and developed a mobile, modular healthcare unit (“Smart Pod”) based on a shipping container frame that can be easily deployed and rapidly set-up (within minutes) in remote settings. Unique features of the Smart Pod designed by physicians, include a lightweight structure, 400 sq. ft. floor space, infection control design, HVAC, off-grid power capability and other clinically-relevant utilities. Secondly, technological needs for connectivity, clinical encounter and operations management including hardware and software applications have been uniquely designed and integrated into the Smart Pod. Such features include tele-connectivity, GPS tracking, electronic record documentation of encounter, drug and supply tracking and other logistics management. Finally, expertise provided through the affiliation with a leading academic healthcare institution enables program oversight, direct care, training and capacity development of local health providers in the remote setting.

**Interpretation:** The unique combination of a Facility-Technology-Expertise based solution may benefit telemedicine-driven care delivery in remote settings globally.

**Source of Funding:** USAID.

**Abstract #:** 2.041\_HHR

### Designing a Global Health Curriculum in a Military Family Medicine Residency

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**Program/Project Purpose:** Global Health is a quickly expanding area of study throughout medicine, education and public health. As family physicians, we are well suited for the diverse spectrum of

disease and full scope of practice that global health care requires, and military physicians specifically are primed to participate in Global Health engagements based on their world wide presence. Many civilian residencies internationally have created educational experiences and training opportunities for young family medicine physicians in this realm, but military family medicine residencies have yet to offer a structured curriculum. Fort Belvoir Community Hospital, a triservice military ACGME accredited residency program south of Washington D.C. is formulating a program for residents to gain Global Health training. This year we have created a global health interest group with monthly lectures and journal article discussions, assisted residents in participating in courses through CDHAM and USUHS in planning health engagement and tropical medical care, and facilitated physician trips to several international locations. This poster presentation will discuss the goals, development and future scope of this educational program as we seek to create a unique opportunity to develop seasoned, prepared physicians to participate in the arena of Global Health and Global Health Engagement within the DoD.

**Structure/Method/Design:** Residents and staff were surveyed on their global health experiences and educational goals. Local universities and organizations were searched for educational opportunities for residents here in the DC area. All these combined have been the backbone of our new curriculum, unique to the military family medicine GME system.

**Outcome & Evaluation:** Resident Surveys and participation in future educational exercises will dictate how our curriculum continues to evolve, as well as staff evaluation and likely future comparisons to other programs.

**Going Forward:** - Realize the importance of Global Health and Global Health Engagement in the future of military medicine

- Understand the vast range of educational topics and experiences for shaping a physician versed in global health
- Recognize the guiding principles of Global Health education and how they can impact resident training

**Source of Funding:** None.

**Abstract #:** 2.042\_HHR

### Transforming Medical Student International Engagement to a Focus on Educational Programs

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**Program/Project Purpose:** Short-term medical mission (STMM) trips have become more popular in recent years. These trips offer medical students exposure to practice in a low-resource setting, the complexities of patient-provider communication, and the importance of cultural competency. However the long-term impact of these mission trips is difficult to assess and the ethical considerations of these trips have recently come under scrutiny. A few ethical dilemmas include: cultural differences and power imbalances that may make it challenging to ensure equitable partnerships,