

# CHaD Global Health

## Vision:

The Global Child Health Program at the Children's Hospital at Dartmouth-Hitchcock aims to invest in creating sustainable key partnerships that prioritize improving the health of children worldwide through education, faculty development, research and clinical service. Resident education is a valuable and integral part of our vision and our mission.

The importance of Global Health in the educational program of the next generation of physicians and medical leaders is increasingly recognized. The Children's Hospital at Dartmouth-Hitchcock has multiple faculty members engaged in international health programs – a critical mass together with campus-wide activities at Dartmouth, which provides a vibrant foundation for a formal experience for Pediatric residents in Global Health.

## Program Highlights:

- 3-year curriculum with quarterly didactic sessions.
- Simulation Curriculum utilizing SUGAR (Simulation Use in Global Away Rotations) <http://sugarprep.org/> (Dr. Al-Nimr was on the consortium that piloted the program and rolled it out nationally).
- Global Health Faculty with extensive experience in education, research and clinical service.
  - Regular meetings bi-monthly by Global Health faculty for constant communication, collaboration and resident mentoring.
- Ability to participate in a **funded** away rotation domestically or internationally (PGY 2 or 3)
- Active Neonatal Global Health Program (Help Babies Breathe, Bubble CPAP, etc.)
- Collaboration with Dartmouth's Global Health Initiatives at the John Sloan Dickey Center for International Understanding and Dartmouth's Center for Health Equity
- Bi-Directional Exchange: Arranged a mechanism to host exchange learners via a process that utilized existing D-H infrastructure that has allowed seamless and streamlined ability to host Exchange Physicians.
  - Exchange Physicians participate in a true exchange experience including learning sessions, inpatient and outpatient experiences with EMR access.
  - Exchange Physicians give a one-hour resident lecture attended by Faculty and Pediatric residents and Geisel medical students.

## Global Health Partnerships 2016-2018:

- **Haiti:**
  - 2016- Present Dr. Peter Wright and Alka Dev, DrPh awarded Children's Prize and W.K. Kellogg Grant to develop model neonatal Unit to improve neonatal Mortality in southern Haiti.
    - 2019 Graduate resident Emma LeWinter, MD travelled to Haiti as part of this program in 2017 and 2018 and helped build and improve a neonatal ICU in Les Cayes, Haiti.
    - 2017 World Kidney Week:
      - In collaboration with Pediatric & adult Nephrology, hosted Dr. Pierre Cochat, MD head of International Pediatric Nephrology Association and Judith Exantus, MD the only pediatric Nephrologist in Haiti for one week working group to focus on collaboration to decrease burden of renal disease in Haiti.
      - Ongoing focus to deliver acute dialysis care to children in Haiti.

- **Tanzania:**
  - Ongoing Projects:
    - Paul Palumbo, MD Dar-Dar Program (Dartmouth & Dar es Salaam) & cooperation with MUHAS.
      - Bilateral Exchange.
    - Melissa Fussell, MD: Creating intensive and critical care algorithms for residents in Tanzania, Project Adapt.
    - Margaret Guill, MD: Respiratory function in Tanzanian patients with HIV. (NB: her husband Marshall Guill, MD a dermatologist in the Dermatology program was awarded a \$250,000 grant to provide care for children in Tanzania.)
  - Symposium October 2016 & October 2018:
    - Paula Lofstrom, RN and Dennis Lofstrom, MD Board Members of International Health Partners Tanzania: “Building the first Children’s Hospital in Tanzania in Zinga”
- **Rwanda:**
  - Bilateral Ex-change program. (hosted 4 Rwandan pediatric residents 2015-2018)
  - CHaD/Dartmouth was part of Human Resources for Health Program (HRH) funded by USAID. Dartmouth continues to be involved even after the HRH program ended.
- **Jordan:**
  - Delivering care for Syrian Refugees in Jordan in collaboration with SAMS (Syrian American Medical Society)
  - Hosted 2 Jordanian resident physicians as part of exchange program.
  - Collaboration with the RHAS (Royal Health Awareness Society) in Jordan.
  - CHAT (Children’s Health Awareness via Telehealth) Project
    - Linking middle school children in the upper valley with middle school Jordanian and Syrian children. Expanding in 2019 from 1 school to 5 schools.
      - Health teaching that addresses important topics such as nutrition, bullying, substance misuse, effects of marketing and media on children.
  - Jordan Symposium September 2018 highlighting the above as well as :
    - CHaD delivering care to Urban Syrian refugees and at Zaatari Camp in collaboration with SAMS (Syrian American Medical Society)
    - CHaD helped launch a gluten free school lunch program for underserved Jordanian school children with Celiac disease.



*2019 Graduate, Dr. Emma LeWinter, prepares a patient for transport in Haiti.*