

CHOP Research Institute Summer Scholars Program



Elizabeth Lowenthal, M.D., M.S.C.E.

General Pediatrics

Clinical Research: Patient-oriented research examining the safety and effectiveness of diagnostics, medicines or medical devices (may involve human subjects or data collected from human subjects)

Pediatric Global Health and HIV

My team performs clinical research related to international child health. Most of our current work is related to pediatric and adolescent HIV diagnosis and treatment among adolescents in Botswana and Zimbabwe. We use both qualitative and quantitative methods to investigate ways to improve care for children and adolescents living with HIV in both the U.S. and in Africa.

- **Potential summer research project:**
Potential student projects include: **(1)** Evaluating differences in neurocognitive function between children and adolescents with and without HIV infection; **(2)** Evaluating the association between stigma, mental health and family communication strategies among children and adolescents living with HIV; and **(3)** Exploring the relationship between drug and alcohol use and treatment adherence among youth in Botswana.
- **Students will learn some or all of the following techniques and strategies:**
(1) Use Stata data analysis software to create variables and perform basic statistical analyses; **(2)** Use qualitative data analysis software to code and analyze qualitative interview data; and **(3)** Communicate with international research partners to ensure that analyses take into account cultural and linguistic differences.

Please click [here](#) to read more about Dr. Lowenthal