

# 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

My team performs clinical research focused on issues of importance to the health of children living in resource-limited settings. Most of our current work is related to pediatric and adolescent HIV diagnosis and treatment with study teams based in Botswana and Zimbabwe. We are also doing work related to the prevention and treatment of early childhood anemia in the Dominican Republic. CHOP serves as the data coordinating center for most of our studies and CHOP-based students are involved in both quantitative and qualitative analyses of data generated at our partner sites.

- **Potential summer research project:**  
De-identified datasets from ongoing projects in Botswana or Zimbabwe will be used. Potential student projects include: **(1)** Evaluate the relationship between outcome expectancy and future goals on HIV treatment adherence among adolescents in Botswana; **(2)** Explore how the way adolescents who were perinatally HIV-infected learned about their HIV status impacts their relationship with their parents and their attitude towards treatment.
- **Students will learn the following techniques:**  
**(1)** Students involved in quantitative analyses will use Stata data analysis software to create variables and perform basic statistical analyses on data from microelectronic medication monitor caps and audio computer-assisted self-interview technology **(2)** Students involved in qualitative projects will utilize NVivo software to work with a multi-national team to code and analyze translated scripts from in-depth interviews describing adolescents' past experiences and attitudes towards their treatments.

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