

CHOP Research Institute Summer Scholars Program



Andrew C. Glatz, M.D., M.S.C.E.

Cardiology

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)

Outcomes Research in the Cardiac Catheterization Laboratory

I am an interventional cardiologist and clinical outcomes researcher. My work focuses primarily on outcomes of patients undergoing therapies in the cardiac catheterization laboratory with a focus on quality, practice variation, and cost effectiveness using a combination of single-center and larger multi-center datasets (clinical registry, insurance claims, administrative, etc.).

- **Potential summer research project:**

A student would likely become involved in a project utilizing existing large datasets (registry, insurance claims, and/or administrative) to investigate the epidemiology of the care of children with certain forms of congenital heart disease, including temporal trends, practice variability, and resource utilization.

- **Students will learn the following techniques:**

(1) Identification of patient cohorts from large administrative/insurance claims databases by use of ICD codes; **(2)** Understanding differences between financial charges and costs and how to convert from charges to costs to make equitable comparisons between centers over time; and **(3)** Comparison of outcomes adjusted for patient- and center-level factors by multivariable mixed-effects regression modeling.

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