**CARTI Clinical/Translational and Public Health Research Training Track Didactic Coursework**

The didactic training will include synchronous (live) and asynchronous (recorded) lectures combined with presentations from CARTI scholars as they develop their research project. Didactic and practical instruction will cover the following topics:

**Project Design and Implementation**

* Formulation of a research question and hypothesis
* Study design in quantitative and qualitative research
* Sampling and recruitment strategies
* Community engagement

**Data Collection, Analysis, and Management**

* Study measurements and data collection methods
* Health survey research methods
* Power and sample size
* Data management

**Ethical, Legal, and Regulatory Issues**

* Protocol development
* IRB approval

**Scientific Communication**

* Giving an effective scientific presentation
* Writing and reviewing scientific manuscripts
* Responding to reviewers

**Grant writing**

* Identifying funding sources
* Writing an NIH proposal
* Mock study section