**Required Project**

**Required Project Elements:** (project should demonstrate each of the following elements)

1. *Define and Characterize a Sub-Population of Interest:*This could be defined by geography (e.g., county or neighborhood), by race-ethnicity, by gender / sexuality, by risk group, or by disease-focus. Provide as much data specific to your sub-population as possible, including demographic and socioeconomic characteristics, and/or health behavior / health status indicators. Use appropriate data presentation tools (graphs, tables, maps, etc) as needed to communicate effectively.
2. *Define and Quantify a Specific Health Need in this Sub-Population:*  
   A population health need may be defined as a health behavior (e.g., smoking/vaping, unsafe sex, mask-wearing, etc), a health risk factor (e.g., obesity), a vaccine-preventable illness (e.g., influenza/pneumonia), a medical condition amenable to secondary prevention (e.g., hypertension, diabetes, or cholesterol control); adverse health utilization (e.g., asthma ED visits, stroke hospitalizations, etc), a population-level health outcome (e.g., mortality, YPLL-75, etc) or a racial health disparity (e.g., infant mortality, late-stage diagnosis of colorectal cancer, etc.)

**OPTIONAL ELEMENTS FOR LONGER ROTATIONS:**

1. *Define the Specific Metrics and Data Sources Available to Measure Improvement:*  
   Choose a specific metric by which you will gauge the success or failure of your intervention; document the availability of this metric, and its timeliness (how frequently is this metric measured and reported) and its granularity (availability at what geographic level and with what demographic stratification [age, race-ethnicity, poverty-level, etc.]).
2. *Propose an Evidence-Based Intervention to Improve your Targeted Health Need   
   in your Designated Sub-Population:*Using the published literature and the CDC Guide to Community Services, propose an intervention that is likely (based on high-quality evidence) to make a measurable improvement in the health need you are targeting within a specific sub-population. Communicate this proposed intervention by means of the deliverables described on the following page.

***Format for the final project deliverables is described on the following page.***

**Required Project Deliverables:** Each resident will produce the following deliverables for their required project by the end of the 2-week rotation:

* **One-page infographic** clearly communicating the dimensions of a public health problem or needed behavior change in a specific segment of the population

***OR***

* **5-8 slide PPT presentation** clearly communicating the dimensions of a public health problem or needed behavior change in a specific population

**OPTIONAL ELEMENTS FOR LONGER ROTATIONS:**

* **Additional 4-7 PPT slides for presentation** adding evidence for a proposed intervention, potential impact, and strategies for implementation
* **One-page Executive Summary of a proposal to implement an intervention** *(template provided)* -- Be as precise as possible in defining the intervention (who/what/when/where/how and/or timing/dosing of intervention).
* **One page Gantt Chart (Timetable of Milestones) for Intervention Implementation** *(template provided)*
* **First-Year Draft Budget (personnel and non-personnel) for Intervention Implementation** *(template provided)*

***Residents on a two-week rotation have limited time to complete this project before their final project deliverables are due, and so must begin working energetically on the project from day 1 of the rotation!***