Current SHEAR Studies

**Completed**

**Title:** Associations between antibiotic prescriptions and recurrent urinary tract infections in female college students  
**Lead investigator:** Shannan Rich  
**Clinical expert/faculty mentor:** Guy Nicolette, MD  
**Other SHEAR collaborators:** Jake Ball, Emily Klann, Crystal Almond  
**Project description:** The primary objective of this analysis is to examine the effects of antibiotic prescriptions for uncomplicated urinary tract infections on the risk of infection relapse or recurrence.  
**Journal:** under review at Journal of Epidemiology & Infection

**Title:** Diagnostic sequence of cocaine use disorder in relation to other mental health conditions among college students  
**Lead investigator:** Yiyang Liu  
**Clinical expert/faculty mentor:** Guy Nicolette, Michelle Jacobs-Elliot  
**Other SHEAR collaborators:** Jake Ball, Amy Elliott  
**Project description:** In this project, patients diagnosed with cocaine use disorder were identified. Their top mental health conditions were identified and assessed to see whether the first diagnosis of these conditions was made 1) before, 2) at the same time, or 3) after the first diagnosis of CUD.  
**Journal:** under review at Journal of American College Health

**Ongoing**

**Title:** Are non-head injuries clinical predictors of concussion risk?  
**Lead Investigator:** Crystal Almond  
**Mentors:** Jacob Ball, PhD, Guy Nicolette, MD and Jay Clugston, MD  
**Other SHEAR Collaborators:** None for now...  
**Project description:** The goal of this project is to assess the extent to which a clinical history of various types of injuries is associated with risk of concussions in non-student-athlete college students

**Title:** Demographic disparities in prevalence of, and prescribing practices for ADHD among college students  
**Lead Investigator:** Nioud (Neo) Gebru  
**Mentors:** Jacob Ball, PhD, Michelle Jacobs-Elliott, MD  
**Other SHEAR Collaborators:** Denny Fe Agana, PhD, Sadaf Milani, PhD, Yiyang Liu, Amy Elliott  
**Project Description:** This project seeks to identify any demographic predictors of ADHD among UF students, and identify any disparities in treatment practices for ADHD among those who sought care at SHCC-Psychiatry

**Title:** Clinical correlates of diagnosed cannabis use disorder: A matched case-control study
**Lead Investigators**: Jake Ball, PhD, Ayodeji Otufowora, Amy Elliott  
**Other SHEAR Collaborators**: Yiyang Liu, Shawnta Lloyd, Bin Yu  
**Project Description**: Using a matched case-control study framework, we quantified the association between other diagnosed psychiatric conditions and diagnosed cannabis use disorder among UF students who sought care at SHCC-Psychiatry, including alcohol use disorder, depressive disorder, generalized anxiety disorder, and more.

**Title**: The effects of physical activity on academic success (Not with SHCC data)  
**Lead Investigator**: **NEED SOMEONE TO TAKE ON THE DAY TO DAY OPERATIONS--we have a solid team of mentors but need a willing student to take this and run with it. It could EASILY turn into a dissertation topic or MSE thesis**  
**Mentors**: Jacob Ball, PhD, Mattia Prosperi, PhD, Linda Cottler, PhD, Catherine Striley, PhD, Chris Delcher, PhD, Shaun Boren, PhD  
**Project Description**: The goal of this project is to quantify how various types of physical activity as measured by UF RecSports data mediates/moderates associations between student-level demographic/educational characteristics (e.g. race, sex, College affiliation) and key academic outcome metrics including cumulative GPA, time-to-degree, retention and more. We will use statistical and machine learning models to predict these outcomes and create a meaningful tool for UF to be able to identify “at-risk” students for targeted educational interventions.