SHP Student Interns for Research and Scholarly Activities Application of Project Proposal Form

Instructions:
Please fill out the form and return via email to Nipa Sahasrabuddhe (ns1115@shp.rutgers.edu) by **March 31, 2023**. **Please fill each box to the right of each required field.** If you are sending attachments, please ensure your contact information is added to all your forms.

Faculty Contact Information:

Date submitted:	4/3/2023
Faculty Name:	Andrew Lynch
Department/Program:	RMS/DPT
Telephone number:	610-213-1114
E-mail:	Al1282@shp.rutgers.edu

Project Detail:

Project Title: (56 characters max)	Designing an Administrative Database for Pro Bono Clinical Care
Hypothesis:	Despite the lack of an Electronic Medical Record, it is possible to create an administrate database for pro bono clinical care that: • Supports clinicians in decision making to improve patient care • Summarizes the processes of pro bono clinical care • Captures relevant clinical information without interrupting clinical flow.
Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component)	Pro bono care is routinely delivered by SHP clinical programs (e.g. PT, SLP, PA). Due to financial limitations, full fledged EMRs are not practical at this time. Therefore, SHP has undertaken development of an in house database via REDCap to track clinical processes, patient characteristics, and select outcomes for patients attending these clinics.
Specific Student Responsibilities:	The student must complete HIPPA training prior to beginning work on the project. The student will work with Andrew Lynch to modify and adapt the databases associated with the Physical Therapy and Speech Language Pathology Pro Bono Clinics to meet the above goals. Examples of specific projects will include: 1. Design a patient summary page to orient student clinicians and preceptors to a patient case. 2. Create an adaptive screening instrument for osteoporosis risk stratification based on the

	International Osteoporosis Foundation screening criteria.
	3. Create instructions for export of EMR data and import into the administrative database
	a. Create file processing routines to support above
	4. Create reporting dashboards for rapid analysis of data within REDCap.
	5. Create data processing syntax to generate HTML markup for updating school and clinic websites.
	Other tasks will be added as appropriate.
Start / end date of project:	6/1-8/31/2023

Educational:

WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS? (e.g., journal club, seminars, clinic, rounds)	The student will discuss the processes with Andrew Lynch and the faculty members leading the pro bono efforts in these clinics. The student will be involved in meetings about data structure and analysis with Scott Parrott and other researchers in SHP.
WHERE DO YOU PLAN TO PRESENT OR PUBLISH THE FINDINGS WITH THE STUDENT? (e.g., national or state meetings, newsletter or journal, SHP poster day)	The student will be expected to present their work at the SHP Research and Scholarship Symposium in 2024. There is potential to present the work at the Pro Bono Network Conference in the Spring of 2024. We will keep records of the challenges and solutions for potential publication.

CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.

This project is: ☒ clinical ☐ laboratory ☐ behavioral ☐ survey ☐ educational

☐ Other: please specify__database design_____

☐ This project involves the use of human subjects (including chart review, retrospective studies and questionnaires).

Pending ☐   Approved ☐   IRB Protocol Number _____

IRB approval must be obtained by June 2023

_____ PT, DPT, PhD.

Signature of Department Chair

4/5/2023

April 2, 2023
Date

OR-For internal use
Form: (1)
Reviewed date:_____4/4/23_____
Date processed on website:_____