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School of Health Professions

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

Instructions:
Please fill out the form and return via email to Lisa Adams at kla90@shp.rutgers.edu and Michele Sisco at mcoral@shp.rutgers.edu by **April 1, 2020**. **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:	April 1, 2020
Faculty Name:	Laura D. Byham-Gray, PhD, RDN
Department/Program:	Clinical and Preventive Nutrition Sciences
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Project Detail:

Project Title: (56 characters max)	Rutgers Nutrition & Kidney Database (RNKD)
Hypothesis:	This is not a hypothesis-driven project. The deliverable of this project will assist in answering key research questions that may serve as pilot data for external grant funding applications as well as aid in the design of faculty-mentored, student-centered research studies.
Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component)	The Rutgers Nutrition & Kidney Database was created in 2019-2020 by merging four IRB approved studies into one dataset for secondary data analyses. Enrollment is closed in the four studies. Data from Linking Protein-Energy Wasting to Symptoms in Hemodialysis (KNOW-SIGNS) (Protocol number: Pro20170000925), Exploring Daily Activity, Total Energy Expenditure in the Adult Hemodialysis Population (TEE in MHD) (Protocol number: Pro20160000603), Comparison of measured resting energy expenditure (mREE) from a metabolic cart to a portable handheld device in maintenance hemodialysis patients: a pilot feasibility study (CART-PORT) (Protocol number: Pro20140000410), and Development and Validation of a Predictive Energy Equation in Hemodialysis (MHDE) (Protocol number: Pro2012001976). All four

	studies were conducted with adult individuals receiving maintenance hemodialysis (MHD) in an outpatient setting and took place in the Northeastern and Midwestern region of the United States. Dr. Laura Byham-Gray was the principal investigator in all four studies. This project will help to organize the database (e.g., removing duplicate variables, changing variable names) and screening for outliers and resolving any data input errors. The data dictionary or codebook for the new merged database needs to be developed and constructed.
Specific Student Responsibilities:	Under faculty supervision, the student will complete the following activities, including but not limited to: 1. Completing CITI and research training requirements (June 20, 2020). 2. Completing and submitting IRB for project (June 25, 2020). 3. Once IRB approval, accessing de-identified Rutgers Nutrition & Kidney Database (RNKD) and working on cleaning and re-organizing database per faculty request (July 15, 2020). 4. Screening database and assessing for any data input errors or incomplete/missing data (July 30, 2020). 5. Once database finalized, developing and constructing data dictionary or codebook (August 15, 2020)
Start / end date of project:	June 15-August 15, 2020

Educational:

WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS? (e.g., journal club, seminars, clinic, rounds)	The student will learn more about clinical research and its related procedures, as well as gain skill in using statistical databases.
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)	We will publish our methodology and procedures for designing and finalizing the database in the submission of abstract to either the American Society for Nutrition Annual Meeting 2021 or The National Kidney Foundation Spring Clinical Meeting 2021 (at the minimum).

CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.

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

X Other: please specify : clinical data used for secondary analyses

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

Pending X   Approved ☐   IRB Protocol Number _____

IRB approval must be obtained by June 2020

_____   April 1, 2020
Signature of Department Chair   Date

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