I’m studying the effect of novel measures of the variability of blood pressure (BP) signals, specifically complexity measures and detrended fluctuation analysis (DFA) on prognosis. My latest research project aims to assess whether the reduction in BP which follows bariatric surgery is in fact associated with normalization of abnormal blood pressure variability and complexity in these populations. In addition, the study will examine the effect of demographic factors (age, gender, family history) on blood pressure complexity and fluctuation among obese normotensive, pre-hypertensive, and hypertensive patients. My second line of research is on Psychometric analysis of research instruments. Measuring instruments are widely used for nursing research and health care research in general. Validation of these instruments in the Arabic Language and in the Lebanese context are essential, as the quality of the data and the inferences made are based on the scores generated from these instruments. In addition I collaborate as a lead statistician with HSON faculty members on projects related to cardiovascular research, quality of life and mental Health and nursing Workforce.

List of publications, per year, over the past three years.


