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Advance community paramedicine program: Reducing hospital readmissions of high risk heart failure patients

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Reducing hospital readmission for heart failure patients is a major focus for healthcare organizations to improve quality and reduce cost, following Center for Medicare and Medicaid rule to lower reimbursement to hospitals with increased readmissions for heart attack, heart failure and pneumonia. Advance community paramedicine program is an innovative approach to reducing hospital readmission by employing paramedics to conduct follow up visits to high risk heart failure patients. This quantitative non-experimental before and after comparative study of a single group using retrospective data of high risk heart failure patients. This study will attempt to establish statistically significant relationship between the advance community paramedicine program and heart failure patient's readmission rate and address questions by describing correlation and causation based on objective measurement and observations. A non-probability convenience sample of approximately 100 records on patients, who were admitted to a heart failure unit before and after the community paramedicine program were implemented, will be retrieved from the electronic health system. Data will be analyzed using IBM SPSS version 23.0. Descriptive statistics will be used to describe the characteristics of the patients and the Chi-square, a non-parametric test will be used to analyze the variables that are measured on a categorical level.