

Home Care Process Redesign

John Going, Nathaniel Perez, Michael Rutigliano, and Luke Spano

Systems Science & Industrial Engineering Department
T.J. Watson School of Engineering & Applied Science
State University of New York at Binghamton, Binghamton, NY

Corresponding Author: Jgoing1@binghamton.edu

Author Note: We would like to recognize and thank UHS and the entire Home Care team for allowing us to work on a meaningful project over the course of two semesters. We would also like to thank Pravin Jadhav and Dr. Srikanth Poranki for serving as advisors and mentors to the team throughout the duration of the project. Lastly, we would like to thank Professor James Henenlotter and Dr. Mark Poliks of the Systems Science and Industrial Engineering department at Binghamton University for support throughout the project.

Abstract: Home Care is a service offered by UHS to provide care at a patients home while also delivering Durable Medical Equipment (DME) to nearby UHS hospitals. The scope of this project deals with the design and implementation of a new system that shares order information between all Home Care departments. Home Care is experiencing issues with current operations, specifically redundant processes and difficulty locating open orders. The objective of this project is to implement a system that improves communication between departments by allowing for all staff to know the status and other information for all orders. The system must be accessible to all Home Care staff and both reduce waste and improve patient care. The first phase of the new system will be rolled out on Monday, March 11 with a second phase being rolled out in April 2019.

Keywords: Health Care, System Design, SharePoint List