**OVERVIEW OF CAPSTONE SITE**

- Methodist Rehabilitation Center (MRC) is located in Jackson, Mississippi, in the state’s only free-standing physical rehabilitation hospital center, and is accredited by both The Joint Commission and the Commission on Accreditation for Rehabilitation Facilities (CARF).
- Clinical services offered at MRC’s 124-bed hospital are provided to patients suffering from one or more of the following: brain injury, spinal cord injury, stroke, post-amputation, neurological disease, joint and back pain, orthopedics, and other medical conditions that require specialized technologies and therapies.
- MRC is known for having Mississippi’s only stroke-specific rehabilitation program that is able to provide patients that suffered relapse, moderate, and severe strokes with access to stroke research, treatment, and care.
- MRC’s research efforts conducted through the Center for Neuroscience and Neurological Recovery (CNNR) are made up of three laboratories—the Human Neurophysiology Lab, the Motion Analysis Lab, and the NeuroRobotics Lab—along with several individual research offices, all of which are located inside the main hospital and can be found on the second floor (Methodist Rehab Research Center website, n.d.).
- CNNR’s mission:
  1. Advance patient care and restore lives of people suffering from neurological conditions by conducting high-quality research that enables increased knowledge about the changes in neurological functions that occur after injury or disease; the creation of multidisciplinary, novel, and translational research with an emphasis on stroke, SCI, and TBI; and the application of new knowledge to improve diagnoses and treatments.
  2. Disseminate research findings and provide professional development for neuromotor rehabilitation researchers and practitioners of different backgrounds and at all stages within their careers.
  3. Increase awareness about the need for neurorehabilitation research in Mississippi.

**PROJECT DEVELOPMENT**

**Objective One:** Define the population of MRC stroke patients in terms of demographics (age, race, comorbidities, etc) and relevant clinical dates and time parameters

**Literature Source One Selection Process**

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**Objective Two:** On-Site Literature Review Selection Process & Matrix Samples

**Literature Source One Matrix Sample Entry**

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**Objective Three:** Synthesis of Objectives One & Two

**Final Product Sample**

**PLAN FOR PROJECT EVALUATION**

The Capstone project was partly assessed through a semi-structured interview with the Capstone mentor during the final 14th week of the Capstone experience in order to obtain the mentor’s expert and objective evaluation of the outcome and overall impact of the Capstone project.

The impact of the Capstone project also assessed during the final week of the Capstone experience using a participant feedback survey instrument administered after the Capstone student provided a formal presentation on the Capstone project’s final culminating product to MRC leadership and appropriate staff (research team, stroke OTs, etc) at the Capstone site. The participant feedback survey instrument will be used to obtain objective feedback on usefulness of information presented and overall usability of the Capstone project at the Capstone site. Lastly, the outcome data collected from the semi-structured interview with the Capstone mentor and the feedback survey responses collected from the presentation audience members in order to complete an outcome assessment summary of overall Capstone project effectiveness.

**Responses:** Overall, responses were 4.5/5 or 5/5 ratings for questions related to usefulness of information provided and overall usefulness of final product at the Capstone site.

**PROJECT SUMMARY AND FUTURE RECOMMENDATIONS**

**Relevance of Capstone project findings:** Provide a detailed completion of initial steps necessary to expand the scope of addressing the identified need at MRC on an institutional level in the future. Establish a comprehensive collection of post-stroke UE assessments utilized as predictor/outcome measures of stroke recovery.

**Recommended Future Steps:**
- Expand scope to MRC outpatient setting and services in order to fully utilize stroke patient continuum of therapy services provided at MRC
- Provide a foundation of information to enhance clinician decision-making with UE outcome measures assessment selection within inpatient stroke rehab setting

**References available upon request**