5. How can we explore the role of competitive sports in fitness and exercise programs?

4. How can we improve technology to engage people with disabilities?

3. How can we impact long-term health outcomes in people with disabilities?

2. How can we increase the participation and health of people with disabilities?

1. How can we build community-based programs to increase the participation and health of people with disabilities?

Questions explored in laboratory

1. How can we build community-based programs to increase the participation and health of people with disabilities?

2. What duration and intensity of exercise is necessary to impact long-term health outcomes in people with disabilities?

3. Can we develop tools to test physical exertion and physical capacity in people with disabilities?

4. How can we improve technology to engage people with disabilities in fitness and exercise programs?

5. How can we explore the role of competitive sports in community re-integration of people with disabilities?

Contributions to rehabilitation science

The focus of Dr. Morgan’s research is to generate empirical knowledge helpful for guiding community-based and person-based interventions that improve the participation of people with mobility impairments. Her work ranges from community-based participation studies to basic mechanistic studies of biomechanics of the upper extremity for manual wheelchair users during propulsion.

Earlier in her career, Dr. Morgan assisted with the development testing of standardized measures that assess a person’s with a disability quality of participation in major life activities and the environmental facilitators and barriers impacting participation. In addition, she created a community-based program housed in a local Independent Living Center that provides services for people with disabilities (such as health and wellness programs and assistive technology assessments and training). Dr. Morgan also developed a device (an instrumented wheelchair roller system) to provide health-care professionals evidence-based options for providing wheelchair training and exercise programs.

Representative publications


