Researchers in this field have a fundamental interest in measurement approaches and analytic methods used in Health and Rehabilitation Sciences. Broadly construed, every researcher uses measures and conducts analyses in an effort to better understand a particular phenomenon under investigation. However, in this field, it is the measures and analytic methods themselves that are the phenomena under investigation.

Dr. Dianne Bryant (Dianne.Bryant@uwo.ca)
Dr. Bryant’s research interests include the development and evaluation of novel study designs to overcome barriers to conducting research in clinical settings, the evaluation of the effectiveness of rehabilitative and surgical interventions, and the development and evaluation of quality of life instruments.

Dr. Albert Carron (bcarron@uwo.ca)
Dr. Carron’s interest is in group dynamics in sport teams and exercise classes. Historically, his research has focused on the nature, antecedents, and consequences of group cohesiveness. Most recently, he has expanded to include the study of group norms and group roles in sport teams.

Dr. Bert Chesworth (bcheswor@uwo.ca)
Dr. Chesworth’s research interests include total hip and knee joint replacement, patient movement through the continuum of care, musculoskeletal rehabilitation and epidemiology, outcome measures, administrative data, and electronic data collection.

Dr. Andrew Johnson (ajohnson@uwo.ca)
Dr. Johnson’s research interests include health measurement and evidence-based practice; cognitive and psychological sequelae of movement disorders; information processing speed and neural efficiency; and behavioural genetics.

Dr. Mickey Kerr (mkerr@uwo.ca)
Dr. Kerr’s research interests include the workplace psychosocial environment, stress research, and biological mechanisms for injury including risk factors for musculoskeletal disorders. His recent work has focused on exploring the relationship between the work environment and the health of nurses. His methodological interests include the impact of using generic versus specific tools to measure workplace psychosocial exposure variables. Personal Web Page: http://publish.uwo.ca/~mkerr/

Dr. Ken Kirkwood (kkirkwo2@uwo.ca)
Dr. Kirkwood’s work is focused on sociological and ethical questions about human health, health research, and human enhancement in athletic and everyday activities. He also has an interest in professional and organizational ethics, and socio-historical aspects of drug use.

Dr. Anita Kothari (akothari@uwo.ca)
Dr. Kothari’s methodological work focuses on two areas: development of methodological tools for the field of knowledge transfer (e.g., how do we measure the quality of a decision?); community-based multiple intervention program design and measurement (i.e., how do we design, implement and measure synergistic program effects? or contextual effects? )
Dr. Christopher Lee (cjlee@uwo.ca)
Dr. Lee’s research interests include the repertory grid method, Personal Construct Theory, and general philosophical issues that underwrite methods and measurement in health sciences. Personal Web Page: http://publish.uwo.ca/~cjlee/

Dr. Linda Miller (lmliller@uwo.ca)
Dr. Miller’s program of research encompasses three major areas: 1) measurement of health related phenomena, 2) the nature and role of “evidence” in evidence based practice, 3) measurement and modeling of the personal and environmental factors related to children’s participation and roles. Her measurement interests fall within three broad themes:
• refining measurement through the use of large samples and multiple variables, using large survey databases and modeling methods;
• improving our understanding of health conditions by examining the measurement of health constructs, and;
• refining measurement through improving our understanding of the factors that affect measurement.

Consistent with these interests, Dr. Miller’s research has evolved to embrace the measurement of many health and rehabilitation phenomena, including clinical competencies, cognitive abilities, language, and occupational participation, with a particular focus on pediatric populations. Along with Dr. Lee, she has also developed a model of evidence based practice that poses a novel perspective of the sources of evidence; this work has evolved to include critical evaluation of the research methods and designs common in health research.

Dr. Mark Speechley (speechly@uwo.ca)
Dr. Speechley’s research interests are in older adults, specifically preventing falling and related injuries such as hip fracture, and evaluating the outcomes of rehabilitation. Within the Measurement and Methods area, his interests include evaluating the measurement properties of existing instruments, devising and testing new instruments, and comparing the validity of observational and experimental research designs.