

## Research:

### COMPLETED:

**Peer Review, 2012:** >45 health professionals reviewed assessment content in detail for sensitivity to mild to moderate dysfunction.

**York University, 2013:** Sergio, L., Gage, W. Brain Function: Comparing healthy individuals to individuals who have a history of concussion or brain injury using a new tablet-based assessment.

*Results Highlights:* N=22; half control; half with diagnosis. Assessment able to predict whether healthy or with dysfunction every time. >15 assessment activities statistically significant between groups.

**Middle Tennessee State University, 2015:** Searles, C. & Ragan, B. Reliability of the BrainFx 360 Neurofunctional Assessment Tool. *Research Highlights:* Overall reliability – 85% - acceptable for clinical use and significantly higher than other common computerized concussion tools compared to in this study.

**Western University, 2015:** Holmes, J. Validation of BrainFx 360. *Highlights to date:* Psychometric properties of the balance activities in BrainFx 360 are comparable to that of the gold standard force plate. Researchers are currently analyzing >800 data sets of BrainFx 360 and validating BrainFx SCREEN.

### IN PROCESS:

**Canadian Mental Health Association- WWD Site:** HTX REACH Project in partnership with Province of Ontario: Promoting Mental Health and Participation in Life Activities Through Neurofunction. Evaluation by University of Waterloo.

**CIHR eHIPP Grant:** *Cognitive behaviour therapy for anxious and depressed youth: Improving outcomes through mobile technology.* Technology partner: BrainFx. Team includes: CAMH, Hospital for Sick Children, Markham Stouffville Hospital, Sunnybrook Hospital, Ontario Shores for Mental Health Sciences, UOIT, University of Toronto, University of Manitoba, University of Alberta, University of Bristol, Bell Canada Chair for Mood & Anxiety Disorders, Child & Youth Mental Health Collaborative, Mood Disorders Association & Youth Speaks & Central LHIN.

**Rush Medical Center, Chicago:** Using Technology to Characterize the Consequences of Atrial Fibrillation in Female Patients from the Rush Heart Center for Women (RHCW). BrainFx 360 is the assessment tool in study. Differences in functional cognitive profiles are being presented at: The 25th Anniversary Congress on Women's Health.

**Hospital Demonstration Project:** To evaluate the clinical utility and economic feasibility of BrainFx 360 in acute care, rehab, and out-patient settings.

**Other studies:** pre- and post-testing with therapeutics, comparison clinical effectiveness studies, detection of early dementia, cognitive abilities for work, and more.

## Fuelling Future Research:

Every client can help accelerate neuroscience. Assessment results from BrainFx with consent and all personal and health identifying information removed are donated to our research and normative database. We are excited to collaborate with the research community and learn from our Living Brain Bank™!