We are Asking What if Mild to Moderate Brain Dysfunction Could Be Detected Earlier, Easier and With Greater Sensitivity?

Countless brain injuries and disorders, specifically mild to moderate, are undiagnosed every year because of lack of awareness or reporting, missed or under diagnosis.

Current neurocognitive testing is primarily designed to identify moderate to severe impairments. The process can be lengthy, expensive and too often, miss milder but critical impairments. Individuals are left with questions:

When will I feel normal again? When can I return to work, to school, to sport? What can I expect for my quality of life?

The BrainFx 360 assessment has been designed to assist health professionals in helping people with mild to moderate symptoms from brain disorders, return to daily life. BrainFx 360 ushers in a new era of how neurofunction is measured.

How BrainFx 360 works

- Measures across the spectrum of neurofunction (cognition, mood, social skills, behaviour, balance, function, quality of life, and more).

What it means for individuals & healthcare professionals

- No need to pull together pieces of multiple tests, or wait weeks or months for appointments and reports.

Assessment includes 50 every day (real life) activities to measure performance on 30 cognitive skills.

- Designed to be sensitive to milder impairments and more predictive of real life function.

The first part of the assessment is online questionnaires and the second uses tablet technology, with all its multi-sensory features, to deliver everyday life and game-like activities to engage the client.

- Fun and interesting, completed within two hours. Quickly find out a person’s strengths and challenges in the different areas of neurofunction.

Easy-to-understand reports are generated immediately. Can compare to your own baseline assessment and, in future, to similar normative population. Everyday language – medical speak translated.

- Healthcare teams will quickly have more information with which to make decisions. Designed to reduce assessment duplications amongst professionals.

Reports provide additional information to assist with recommendations for return to work, play, school and/or sports

- More information on which to base health care and return to activity recommendations can increase clinical confidence.

Developed from both a clinical and research perspective for validity, credibility, and real-life predictability. Designed to improve standardization.

- More than 40 physicians, clinicians, researchers, and others reviewed assessment content. Studies underway for validation in several populations.

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Empowering

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The BrainFx 360 Assessment is currently in investigational testing for further clinical validation in Canada.

**A New Era in Brain Function Measurement**

**BrainFx 360** is a new, comprehensive, standardized, researched-based digital assessment application that is designed to measure the functional impact of a brain injury or disorder. Evolved from traditional clinical assessments, research and theory, it was created by a healthcare team who have worked directly with patients to help rehabilitate brain function for over a decade.

- BrainFx 360 assists health professionals with information that may be needed for early detection, diagnosis, and treatment of neurological dysfunction.
- The comprehensive and function-centric nature of the assessment enables confident clinical decision-making for return to activity.
- Reports are easy to understand, available immediately, and can be securely shared online with the health care team.

BrainFx 360 is designed for those at risk for, or who have experienced concussion, brain injury, stroke, dementia or other neurodegenerative diseases or brain disorders. In three easy steps, this tablet-based application will:

1. **Assess**
   - An individual begins their assessment with a secure web questionnaire (~30 minutes) that collects information about medical history, symptoms and quality of life. Up to 3 others (family members, caregivers, etc.) may also share their perspective through an online questionnaire.
   - Next, the individual meets with a health professional in person who is trained and certified to provide the tablet-based, standardized assessment. It takes just over an hour and involves the completion of 50 activities that measure 30 cognitive skills.

2. **Detect**
   - The assessment is scored immediately with a report that can be shared with a healthcare team for recommendations. It identifies an individual’s strengths and challenges and any reliable changes since previous assessment (if available).
   - Because more complex cognitive skills are measured, it is anticipated that more subtle (mild to moderate) impairments will be detected. Studies are underway to validate this hypothesis.
   - Baseline and subsequent reports are compared automatically to display the degree of change, compare to others, and provide a functional outcome measure.

3. **Empower**
   - The healthcare team can now quickly have a detailed understanding of a person’s strengths and challenges as related to neurofunction, to assist them in diagnosis and treatment planning.
   - Further assessment can be more specific and in-depth. It’s anticipated that with more information provided quickly, intervention can be started sooner and can be more specific. Studies are underway to validate this hypothesis.
   - For an individual and their family, they will have more information on which to base return to school, work or play decisions, which can increase confidence and quality of life.

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What makes the assessment unique? I am excited to finally see a ‘functional’ assessment for executive skills created by OTs. It is a LONG time coming. BrainFx’s interactive assessment process keeps the client’s interest and provides much more insight compared to the regular questionnaire profiles we have had to use in the past.

— Rhona Feldt-Stein Director/Occupational Therapist, York Paediatric Therapy Services Inc.

What are the long-term advantages to completing BrainFx 360 assessments? BrainFx could provide a database of information on the abilities of clients with mild-moderate ABI. This could be very useful in developing new treatments/therapies, as well as in mild-moderate ABI research.

— Megan Wood Pagones, M.Sc., Reg. CASLPO Speech-Language Pathologist

BrainFx 360 has the potential to:

- Measure neurofunctional performance by population
- Be used as a baseline and comparison tool in longitudinal study, or correlate to imaging
- Evaluate the neurofunctional effects of a drug or intervention
- Establishing the need for treatment and treatment planning
- Providing a functional outcome measure for your intervention
- Information helpful to early detection, diagnosis, and treatment of neurological dysfunction
- Clinical decision-making for return to activity
- Do you provide neurorehabilitation?
- Are you a researcher?
- Are you a physician or neuropsychologist?
- Filling the Gaps in Traditional Assessments
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Empowering

Comprehensive

Engaging & intuitive

Clarity within complex issues

Evidence-Based

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Empowering

Smart Devices for Smart Assessments

How BrainFx 360 works

What it means for individuals & healthcare professionals

Holistic

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According to the CDC, 1.7 million Americans are treated for brain injury each year. 1 in 3 Canadians sustain a brain disorder over the course of their lifetime (Neuroscience Canada).

The statements made in this brochure have not been evaluated by Health Canada or the FDA (U.S. Food & Drug Administration). BrainFx 360 Assessment has been classified as Class I Medical Device by Health Canada. It is not intended to diagnose, treat, cure, or prevent any disease. Information provided should not be construed as individual medical advice.