



## London Butterfield, Ph.D.

Dr. Butterfield is a neuropsychologist who specializes in neurodegenerative diseases, including memory (e.g., mild cognitive impairment, Alzheimer's, vascular, frontotemporal dementia) and movement disorders (e.g., Parkinson's and related syndromes, Dementia with Lewy Bodies, Huntington's), epilepsy, brain injury, stroke, cancer, pre- and post-surgical cognitive evaluation (e.g., epilepsy, DBS), and ADHD.

Dr. Butterfield has a passion for dementia prevention and promoting brain health. Her research focused on developing and evaluating interventions to improve mood, motivation, and thinking in Parkinson's disease and healthy older adults.

Dr. Butterfield completed her Ph.D. at the University of South Florida and residency and postdoctoral fellowship at the University of Florida, working under the mentorship of the most well-respected neuropsychologists in the country.

## CONTACT US:

 **PHONE:** (727) 300-1920

 **FAX:** (727) 300-8510

**EMAIL:**

[office@butterfieldneuropsychology.com](mailto:office@butterfieldneuropsychology.com)

## LOCATIONS:

### Main Office:

**1901 Ulmerton Rd.  
Suite 625  
Clearwater, FL 33762**

### Satellite office:

**926 16th Street N.  
St. Petersburg, FL 33705**



**Butterfield Neuropsychology**  
CENTER FOR MEMORY & BRAIN WELLNESS

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## Neuropsychological Evaluation

Evaluating Memory,  
Cognition, & Brain Health  
(Expertly & Compassionately)





## What is a Neuropsychological Evaluation?

A neuropsychological evaluation is a thorough assessment of cognitive, emotional, and behavioral functioning. Reasons for an evaluation may include:

- Identify possible problems with brain function or thinking (e.g., memory).
- To help your doctor make a diagnosis or to guide treatment decisions.
- To help you and/or your doctor understand how a known or suspected neurological condition (e.g., epilepsy, brain injury, stroke) has affected your thinking/behavior.
- To provide recommendations for how to maintain or improve brain health, treatment, support needs, educational or employment accommodations.
- To track changes (i.e., improvements, declines, stability) over time.

## The Evaluation Process

The neuropsychologist uses standardized tests that are sensitive to brain dysfunction to assess learning and memory, attention, processing speed, language and spatial skills, reasoning, or other complex functions.

There are 3 parts to the evaluation:

### 1. Interview

The neuropsychologist will discuss symptoms and concerns, ideally with both the patient and a loved one. It is helpful for the neuropsychologist to hear about what the patient is experiencing and what others are noticing. The interview can be done via telehealth (preferred) or in person, on the same day as testing or on a different day.

Prior to the interview, you will complete intake forms to prepare the neuropsychologist with background history information. It is helpful to share any prior relevant medical records (e.g., neurology notes, brain imaging).

### 2. Testing

You will undergo a thorough evaluation that includes question-and-answer tests of your thinking skills, such as your ability to remember information. You may have to read, write, or draw.

The neuropsychologist will review your scores to determine whether your scores are normal or abnormal for age. Your pattern of strengths and weaknesses helps understand how different parts of the brain are functioning.

### 3. Feedback of Results

We will review your results together and discuss strengths, weaknesses, and possible causes of deficits. We will discuss ways to optimize brain functioning, including ways to keep your brain sharp and reduce decline moving forward. A loved one may join you for this appointment, which is typically done via telehealth.

Results will be written into a comprehensive report that will be sent to you.