



# Neuroreader®

**Measurable Brain Health. Measurable Operational Value.**

*FDA-cleared automated brain volumetric analysis.*



## The Clinical & Operational Challenge

Brain MRI interpretation for suspected neurodegenerative disease remains one of the most time-intensive and variable tasks in medical imaging.

Manual volumetric assessment, while considered the gold standard, is not scalable for routine clinical use.

### Organizations Face:

- Extended MRI read times
- Reader-to-reader variability
- Limited sensitivity to early structural change
- High reliance on subspecialist time
- Inconsistent longitudinal reproducibility

These constraints affect throughput, standardization, and clinical confidence.

# From Manual Interpretation to Standardized Quantification



## Manual Assessment

30–120 minutes per case

Requires expert manual tracing; workflow interruption

Reader-to-reader variability; subjective interpretation

Limited by physician time; difficult to scale system-wide

Difficult to reproduce across follow-up studies

High specialist time burden



Time to Insight



Workflow Efficiency



Consistency & Standardization



Scalability



Longitudinal Monitoring



Resource Optimization



## Neuroreader®

Standardized report in under 10 minutes

Fully automated; integrates into existing workflow

Objective volumetric quantification with normative benchmarking

Designed for enterprise deployment without new hardware

Reliable, standardized tracking of structural change over time

Maximizes MRI value while freeing physician capacity

## The Solution: Neuroreader®

Neuroreader® is Brainreader's FDA-cleared, CE-marked medical software that automatically quantifies brain structures from standard 3D T1 MRI scans.

### Core Capabilities

- Comprehensive volumetric analysis of 83 brain structures
- Statistical comparison to a validated normative database
- Automated generation of standardized clinical reports
- Longitudinal visualization of structural progression
- Designed for enterprise deployment across sites

Neuroreader® enables scalable, objective brain health assessment within routine MRI practice.

## Regulatory & Quality Standards

Peer-reviewed evidence supports Neuroreader's ability to deliver objective, quantitative MRI insight for real-world differential diagnosis.

**FDA-cleared medical device • CE-marked • MHRA registered • ISO 13485 certified • HIPAA compliant**

## Enterprise Deployment

Designed for scalable use across radiology departments, imaging centers, and multi-site health systems.

### Neuroreader® supports:

- PACS integration
- Web-based access
- On-site mediation server deployment
- AI marketplace availability



## About Brainreader

Founded in 2011, Brainreader is a global leader in automated brain volumetrics.

Through its flagship product, Neuroreader®, Brainreader delivers standardized, objective MRI quantification that assists physicians in identifying abnormal brain patterns and monitoring structural change in neurodegenerative disease.

Neuroreader® is used in routine clinical practice and has been utilized in multiple peer-reviewed studies of neurological diseases, including Alzheimer's dementia, traumatic brain injury, and mesial temporal sclerosis

