

BrainCheck Platform

All-in-one cognitive care, anywhere

Experience end-to-end, efficient cognitive care with next-gen digital solutions – simplifying screening, accelerating intervention, optimizing workflow, and elevating insights at scale



Overcome obstacles to empower earlier detection and care planning

Cognitive impairment is extremely common, but is rarely diagnosed and often too late.^{5,6,7}

Outdated, paper-based tests are cumbersome and impractical, making it a challenge for clinicians to catch cognitive impairment and maximize options for intervention. Navigating next steps following diagnosis can also pose a challenge for patients, caregivers and providers.

Our plug-and-play platform delivers an all-in approach to cognitive care for providers ranging from primary care to specialists – offering the tools needed to intervene sooner and combat decline with the right solution at the right time.

The only complete solution from screening to surveillance

Deliver accurate assessments, stratify individual risk, and access actionable insights that can help preserve patient brain health – all while improving operational workflow and increasing practice profitability.

Key Benefits

- Accurate results^{1,2,3}
- Comprehensive care
- Digital platform
- Remote testing
- Device-agnostic
- Easy-to-use
- Clinically proven^{1,2,3}
- Optimized workflow
- Electronic health record (EHR) integration⁴
- Proven reimbursement



Screen™

Accurately and efficiently determine if further cognitive testing may be needed – in as little as three minutes.³



Assess™

FDA Class II medical device easily and objectively detects signs of cognitive impairment, which may have association with dementias, including Alzheimer's disease.^{1,2}



Plan™

Build, document, and deliver a comprehensive care plan for patients with cognitive decline, post-diagnosis.

Patient-centered, data-backed

Expertly designed with patients in mind, BrainCheck's intuitive assessments are rigorously validated and have been tested in clinical settings, ensuring accuracy and reliability.

- An effective pre-screening tool, **Screen** is proven to offer high sensitivity, ensuring minimal missed impaired cases.³
- **Assess** is proven to accurately determine severity of cognitive impairment.¹
- On par with traditional cognitive tests, **Assess** demonstrated significant correlation with traditional screening tools, such as the Saint Louis University Mental Status (SLUMS) exam, Mini-Mental Status Exam (MMSE), and Montreal Cognitive Assessment (MoCA).²

Screen

92% sensitivity | 74% specificity
identifying impairment^{3,8}

Assess

88% sensitivity | 94% specificity
identifying dementia¹

81% sensitivity | 94% specificity
identifying cognitive impairment
and dementia^{1,2}

Powering the shift to personalized, proactive cognitive care



Proven accuracy

- Administer objective and precise cognitive testing supported by a growing body of clinical data^{1,2}
- Unlock the power of mobile, digital, and device-agnostic assessments to catch subtle signs of cognitive decline sooner and easily define next steps



Drive efficiency

- Eliminate the need for paper-based tests, with results that are easier to track over time
- Slash time required for traditional tests and streamline cognitive care with an end-to-end solution from screening to surveillance



Optimize workflow

- Easily assess cognition and quickly determine which patients would benefit from further assessment or specialist care - anytime, anywhere
- Access accurate results and comprehensive care plans directly within the EHR



Streamline scalability

- Easily operationalize cognitive assessments and care planning at scale
- Support data-driven decision making and prioritize timely interventions with an adaptable solution suited to serve a range of organizational needs and sizes



Maximize value

- Deploy fully reimbursable assessments and care plans while meeting Centers for Medicare & Medicaid Services (CMS) guidelines
- Strengthen quintuple aim alignment and drive value-based care with comprehensive solution benefitting patients, providers, and payors



Personalize care

- Synthesize steps to protect brain health and prolong independence, while improving clinician and patient satisfaction⁹
- Customize care with a range of ready-made screeners and care plans tailored to unique patient needs

References: **1.** Ye S, Sun K, Huynh D, Phi HQ, Ko B, Huang B, Hosseini Ghomi R. A Computerized Cognitive Test Battery for Detection of Dementia and Mild Cognitive Impairment: Instrument Validation Study. *JMIR Aging* 2022;5(2):e36825 doi:10.2196/36825 **2.** Groppell S, Soto-Ruiz KM, Flores B, Dawkins W, Smith I, Eagleman DM, Katz Y, A Rapid, Mobile Neurocognitive Screening Test to Aid in Identifying Cognitive Impairment and Dementia (BrainCheck): Cohort Study *JMIR Aging* 2019;2(1):e12615. <https://doi.org/10.2196/12615> **3.** BrainCheck Screen Validation. [White paper] (2023). <https://braincheck.com/wp-content/uploads/2023/12/Screen-Validation-Whitepaper-VAL-SC10-001-Rev.-000.pdf> **4.** Some feature availability determined by EHR integration. **5.** Soeren Matthe et al. Expected and diagnosed rates of mild cognitive impairment and dementia in the U.S. Medicare population: observational analysis. *Alzheimer's Research & Therapy* (2023). DOI: 10.1186/s13195-023-01272-z **6.** Manly JJ, Jones RN, Langa KM, et al. Estimating the Prevalence of Dementia and Mild Cognitive Impairment in the US: The 2016 Health and Retirement Study Harmonized Cognitive Assessment Protocol Project. *JAMA Neurol.* 2022;79(12):1242-1249. doi:10.1001/jamaneurol.2022.3543 **7.** Lang L, Clifford A, Wei L, Zhang D, Leung D, Augustine G, Danat IM, Zhou W, Copeland JR, Anstey KJ, Chen R. Prevalence and determinants of undetected dementia in the community: a systematic literature review and a meta-analysis. *BMJ Open.* 2017 Feb 3;7(2):e011146. doi:10.1136/bmjopen-2016-011146. PMID: 28159845; PMCID: PMC5293981. **8.** Impairment includes both MCI and dementia. **9.** Huang B, et al. Implementation of BrainCheck for Cognitive Assessment and Care Planning in the Clinical Setting. Poster presented at The Gerontological Society of America's Annual Scientific Meeting; November 8-12, 2023. Tampa, FL.