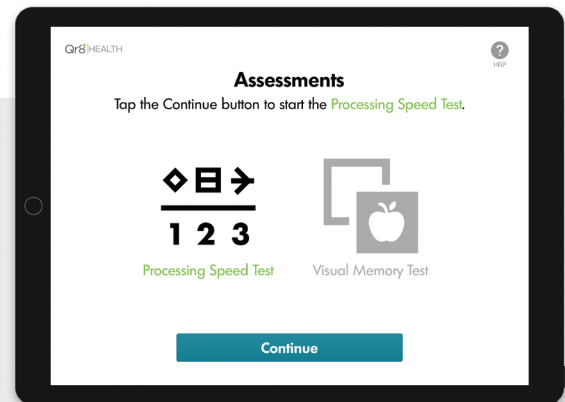# Cognition SNAPSHOT™

Validated Digital Platform for Patient Self-Administered Cognition Testing

Cognition Snapshot is an FDA registered application that quickly evaluates processing speed, spatial & verbal memory in all patient groups.*

*For use by or on the order of a health care professional only

Cognition Snapshot assesses cognitive domains that are particularly sensitive to changes during the mild cognitive impairment (MCI) stage[1] to **support the early detection of cognitive decline. The app is used as part of routine medical assessment** to:

› **Evaluate** potential reversible or treatable causes

› **Initiate** health measures to preserve existing cognitive function and slow progression of decline

› **Proactively address** potential safety and quality of life issues

› **Maximize opportunity** for participation in a clinical trial

High-Quality Clinical Data

- Efficient assessments correlate to standard, well-accepted clinical measures
- Results adjusted with a large, comprehensive database of cognitively normal individuals[2]
- Provides suggested follow-up based on adjusted scores
- Tests used worldwide with >50,000 completed to-date*

Simple, Patient-Friendly Process

- Quick assessment that is completed by most patients in under 15 minutes[5]
- Easily integrated into clinical workflow
- Validated to be fully patient self-administered through step-by-step tutorial
- Test stimuli designed to be administered across cultures and education levels
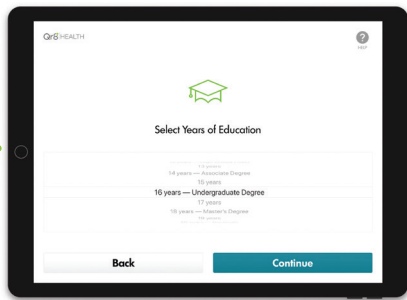
Secure, Documented Information

- Standardizes cognitive assessment & supports routine assessment requirement for annual Medicare wellness visits
- Results can be easily stored in electronic health records (EHR) to document and track results
- Complies with FDA guidance on cybersecurity and HIPAA guidelines

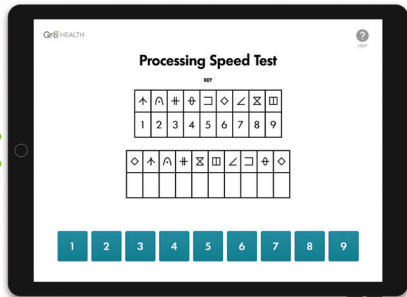*Tests include PST, VMT as singular tests or in combination

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1

Demographic Module:

Collects data used for calculation and interpretation of results

Select Years of Education

Back | Continue
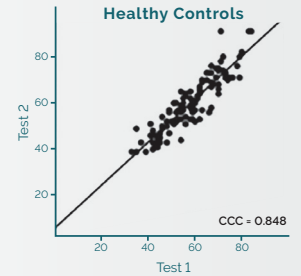
2

Processing Speed Test
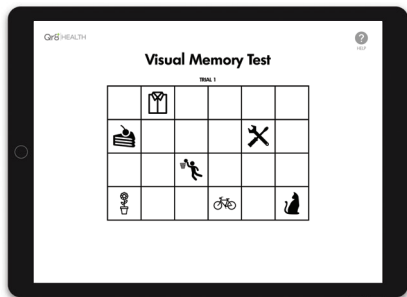
Processing Speed Test (PST):

Assessment of information processing speed and incidental learning

Patients pair numbers with displayed symbols using a randomly generated key

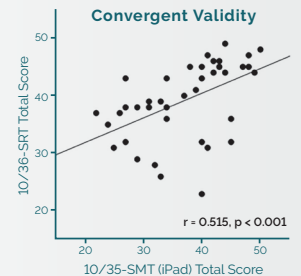Validated against the Symbol Digit Modalities Test (SDMT)[3]

Healthy Controls

CCC = 0.848

Test 2 / Test 1

3

Visual Memory Test

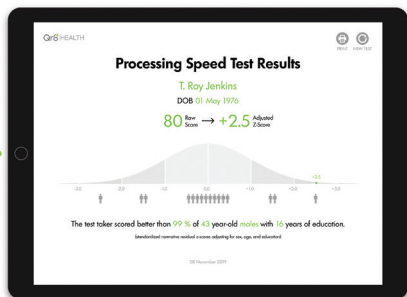TRIAL 1

Visual Memory Test (VMT):

Assessment of episodic learning and delayed memory

Patients recall and recreate a pattern of randomized icons in a grid

Validated against the 7/24 Spatial Memory Test[4]

Convergent Validity

r = 0.515, p < 0.001

10/36-SRT Total Score / 10/35-SMT (iPad) Total Score

4

Processing Speed Test Results

T. Roy Jenkins
DOB 01 May 1976

80 Raw Score → +2.5 Adjusted Z-Score

The test taker scored better than 99 % of 43 year-old males with 16 years of education.

Summary Report:

Results adjusted with a large, comprehensive database of cognitively normal individuals[2]

Provides suggested follow up based on adjusted scores

Contact us at **info@qr8health.com** to learn more!

About Qr8 Health

Qr8 Health is a digital health company pioneering the use of patient self-administered, clinically-validated digital outcome assessment tools for the measurement of neurological and motor function. Our vision is to enable transformational improvement in patient care by providing medical devices for collecting highly standardized clinical data in any medical or home setting.

Headquarters:
• 1 St. Clair Ave. STE 302, Cleveland, OH 44114
• 2 Oliver St. STE 406, Boston, MA 02109
info@qr8health.com | Qr8health.com

REFERENCES

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2. Normative database for demographic adjustments includes data from more than 500 patients ages 18-89 during a clinical study performed at four large clinical centers across the US. ECTRIMS Online Library. Sokolowski M. 09/12/19; 279496; 215
3. SM Rao, G Losinski et al; Processing speed test: Validation of a self-administered, iPad®-based tool for screening cognitive dysfunction in a clinic setting, Multiple Sclerosis Journal 1–9 DOI: 10.1177
4. Rao S et al; Spatial memory test (SMT): a self-administered iPad®-based tool for assessing nonverbal episodic memory dysfunction in MS; ECTRIMS Online Library. Rao S. 10/11/14; 63833; P126
5. Data on File, Qr8 Health, Inc.