Telepsychology Assessment

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ASSISTANT PROFESSOR (TEACHING STREAM) UNIVERSITY OF TORONTO

2010 – Remote North Ontario

Telepsychology (TelePsych) – Consultation @ UofT

Assessment Challenge

1

Provide psychological assessments for complex linguistically and culturally divers students from kindergarten to grade 12.

2

Be onsite
- Can only take 27 ponds to luggage with you

3
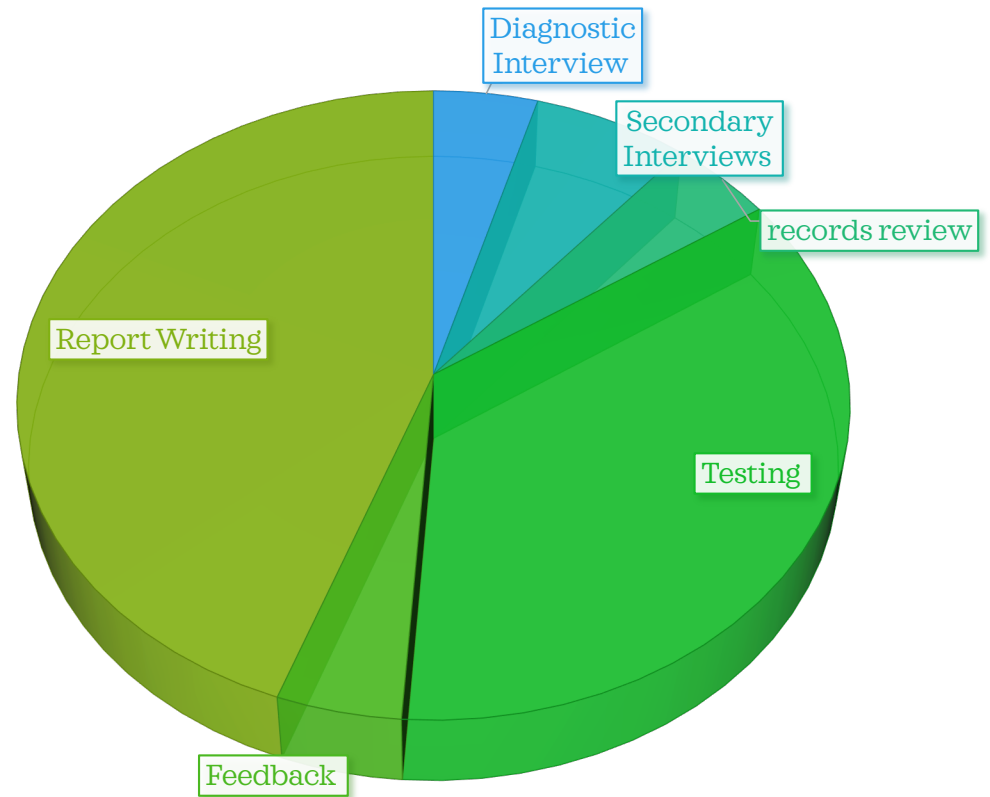
Want the assessment be done in about 1 hour.

4

Work against past practices
- WJ-COG.

Stages of a Psychological Assessment

Testing time is between 6 and 8 hours and must be in person. About 40% of the time.

Diagnostic Interview

Secondary Interviews

records review

Report Writing

Testing

Feedback

Hypothesis Driven Integrated Psychological Assessment Model

History from parent/teacher/records

Screen Social Emotional Functioning & Attention

Academic Fluency

- Oral Language Processing
- Oral Reading Fluency
- Alphabet Fluency
- Math Fluency

Test UP or DOWN in the Academic domain.
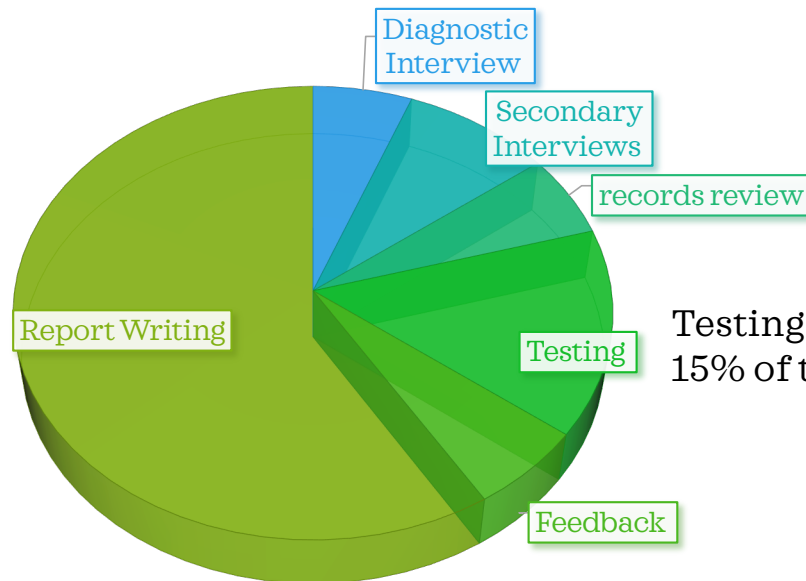
Look at cognitive explanations

Social Emotional Functioning

Screen intellectual ability

Evaluate Learning Efficiency

- EF
- Attention
- WM
- TLM

Hypothesis Driven Integrated Psychological Assessment Model

Diagnostic Interview

Secondary Interviews

records review

Report Writing

Testing

Feedback

Testing time down to average of 2.5 hours. About 15% of the assessment time.

In 2 years of assessing

- Conducted 129 assessments
- In 5 different communities
- Ages 3 to 14
- Average Admin time is 2h 41m
  - SD (43 min)

Could we cut out the travel?

Issues to be considered with TelePsych.

Psychometric Validity: What are the effects on the psychometric properties (e.g. reliability and validly) .

Saudization: Secure room, free of distractions (e.g. family members, lost of connection).

Construct Validity
Distraction Issues

Test Security: Does the client come in possession of test materials or stimuli (i.e. ethical and legal violation)

Copy Right: Following the law

Trained Technician "Tele-Interview" Model

Model:
- Psychologist at Institute site
- Psychometrist in community site

Pros:
- Comparable Battery to local
- Assess wide range of services

Cons:
- Trained psychometrist at every site
- Client must be able to get to the remote testing location or send the psychometrist to were the client is

(Rene Stowyk, 2019)

TelePsych Direct-to-Home Model

Model:
- Psychologist at Institute site
- Client in their own home

Pros:
- Services provided right to clients' home
- No assistant training or client needing to travel

Cons:
- Limited battery for testing
- Can not address all reasons for referral
- Validity/security concerns
- Connection and licensure issues

Teleneuropsychology Validity

Arch Clin Neuropsychol. 2016 Feb;31(1):8-11. doi: 10.1093/arclin/acv058. Epub 2015 Oct 6.

Video Teleconference Administration of the Repeatable Battery for the Assessment of Neuropsychological Status.

Galusha-Glasscock JM[1], Horton DK[1], Weiner MF[2], Cullum CM[3].

⊕ **Author information**

Abstract
Teleneuropsychology applications are growing, but a limited number of assessment tools have been studied in this context. The present investigation was designed to determine the feasibility and reliability of the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) administration by comparing video teleconference (VTC) with face-to-face (FF) test conditions. Eighteen adult subjects over age 55 with and without cognitive impairment were administered Forms A and B of the RBANS in VTC and FF settings in counterbalanced fashion. Similar RBANS scores were obtained in both test conditions, with generally high correlations between administration methods. Results support the feasibility and reliability of remote administration of the RBANS via VTC.

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NEUROPSYCHOLOGY

Butters Award, 2018

Validity of Teleneuropsychological Assessment in Older Patients with Cognitive Disorders

Hannah E. Wadsworth[1,*], Kaltra Dhima[1], Kyle B. Womack[1,2], John Hart, Jr[1,2], Myron F. Weiner[1], Linda S. Hynan[1,3], C. Munro Cullum[1,2,4]

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Editorial Decision 11 December 2017; Accepted 16 December 2017

UTSouthwestern Medical Center

Is the Direct-To-Home Model Reliable?

Is the Direct-To-Home Model Reliable?

Systematic Review and meta-Analysis on 12 studies for Tele Neuro Psychology Assessment (TeleNP) with adults; n=497

Looked at TeleNP vs Face-to-face testing

- Differences <.1 SD between test conditions

Conclusion: effect of TleNP vs Face-to-Face testing

CrossMark

REVIEW

Neuropsychological Test Administration by Videoconference: A Systematic Review and Meta-Analysis

Timothy W. Brearly[1,2,3] · Robert D. Shura[1,2,3] · Sarah L. Martindale[1,2,3] · Rory A. Lazowski[4] · David D. Luxton[5] · Brian V. Shenal[6,7] · Jared A. Rowland[1,3,8,9]

Research Supports

Feasibility ✔

Reliability ✔

Validity ✔

Acceptability ✔

Teleneuropsychology (TeleNP) in Response to COVID-19: Practical Guidelines to Balancing Validity Concerns with Clinical Need

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INS Webinar Presented on 4/2/2020

Copy Right: Change in Test Publisher Guidelines

Before test administration, the qualified professional must **obtain documented agreement from the examinee that the session will not be recorded, reproduced or published, and that copes of the materials will not be made**. Further, the qualified professional may not utilize recording capabilities to record live test administrations.

This permission is intended to include the use **of non-public facing screen-mirroring and screen share method**s to remotely share test items content with examines on a computer screen and capture responses either verbally or through other means.

This permission is not intended to allow the use **of photocopying, scanning, or duplication of test protocols**, including any screen capture or session recording technology, but is merely intended to support practical live delivery of telehealth services.

This permission is also not intended to **allow for any modification to the original test** content as it currently appears.

Pearson March 20th, 2020

Our Direct-To-Home Model

Consent

- Outline what is same, what is different with TelePsych
- Changes to Confidentiality, (We can ensure confidentiality on our end, using an encrypted system, but can not insure confidentiality on the clients' end)
- Can not copy or record any part of the assessment
- What questions the assessment can and can not answer
- This is new, and we may need to work with different authorities for having the assessment recognized

What to do in preparation

- Detraction Free Zoon
- Tablet or computer NO phones
- Paper and Pencil
- No one else using the internet well testing

Procedure if we get disconnected

Start of the Assessment (Intake, collect documents, connect with other professionals)

Assessment (1 or 2 times often leading to about 3 hours of work in total)

- Student 7 and under we allow parents to sit behind them, where we can see the parent on camera

Feedback

What we are using

Purpose	Tool
EMR	OWL Practice
File Exchange	OWL Practice (Secure Messenger)
Video Conferencing	ZOOM
Assessment Tools	Q-Interactive Document Camera
Assessment Questionnaires	MHS Online Assessment Center

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ADVOCACY   SCIENCE   PRACTICE   EDUCATION   PUBLIC INTEREST   ABOUT   MEMBER

Home // Practice // Business of Practice // Technology // Let's Get Technical: Comparing the...

Comparing the latest telehealth solutions

In this installment of "Let's Get Technical," our panel of experts reviews three telehealth platforms: Doxy.me, thera-LINK and Zoom.

By Nicole Owings-Fonner, MA

December 2019

Let's Get Technical

A Review of the Latest Apps and Tools for Practicing Psychologists
Nicole Owings-Fonner, MA

Meet the Panel

Kristi K. Phillips, PsyD

JoAnna Romero

Setup – Assessor

Goal: Make interactions and procedures as similar

to traditional assessment context as possible

Setup – Client Side

The assessment

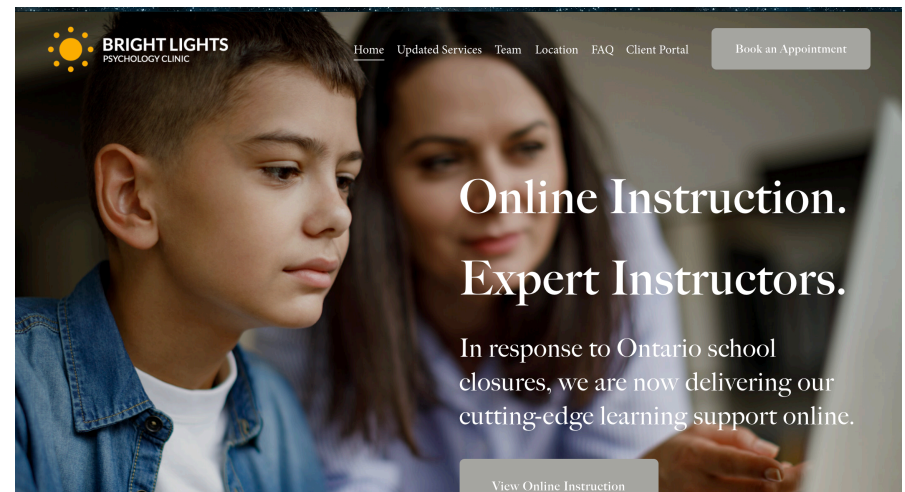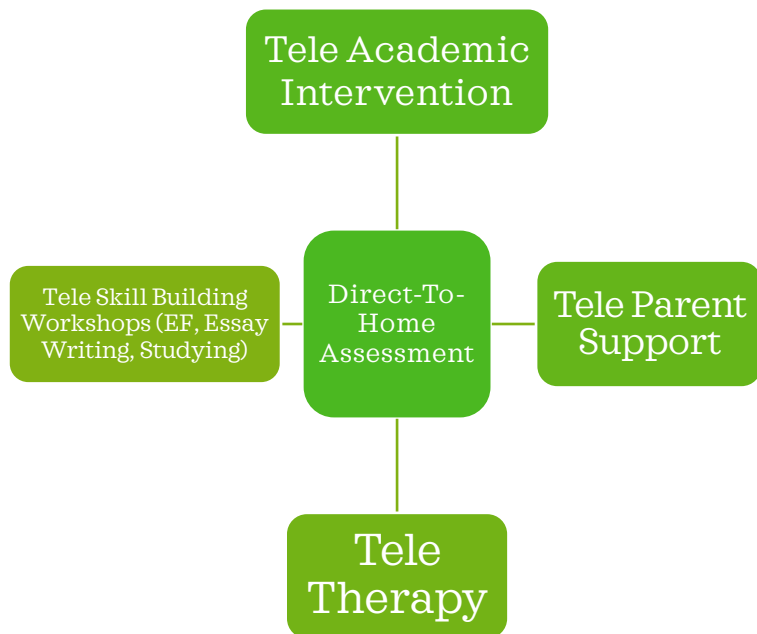| Area	Can Assess	Can Not Assess
Overall Ability	IQ (WASI 2-Factor)	GAI (Blocks)
Social Emotional	YES	
Memory	Verbal STM, WM & LTM	Visual STM, WM & LTM
Executive Function	Questionnaires & verbal EF	Motor EF
Attention	Questionnaires	Continues Performance
Processing Speed	Verbal Fluency	No motor related PS
Motor		Motor Functioning, Visual Motor Integration
Language	Comp., Vocabulary,	
Reading	Comp., Fluency, Word, Decoding, PA, RAN	
Writing	Expression, Spelling, Handwriting	Writing Fluency
Math	Calculations, Application	Math Fluency

Write Up

Norms: As we have no TelePsych norms, we use pre-existing norms but apply conservative interpretation. Always look at the patter with in the assessment and not just one test (i.e. no Gifted Testing)

In reports we docuent the use of TelePsych, norms used, and adptations made

Recognize the potetial limitations TelePsych and address the pospal need of r in-person testing when needed.

What's After the Assessment

Tele Academic Intervention

Tele Skill Building Workshops (EF, Essay Writing, Studying)

Direct-To-Home Assessment

Tele Parent Support

Tele Therapy

www.brightlightspsychology.com/

Clinicians

Dr. Todd Cunningham

C. Psych.

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Expertise:

Dr. Daniella Biondic

C. Psych. (Supervised Practice)

_____

Expertise:

Dr. Gladiola Musabelliu

C. Psych. (Supervised Practice)

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www.brightlightspsychology.com

www.academicinterventionlab.com

Thanks to:

Resources

APA Telepsychology Best Practice 101 Series https://apa.content.online/catalog/product.xhtml?eid=15132

Campbell, L. F., Millán, F. A., & Martin, J. N. (2018). A telepsychology casebook: Using technology ethically and effectively in your professional practice. (L. F. Campbell, F. A. Millán, & J. N. Martin, Eds.). Washington, DC: American Psychological Association. https://doi.org/10.1037/0000046-000

Canadian Psychology Association: Providing Psychological Services via Electronic Media https://cpa.ca/aboutcpa/committees/ethics/psychserviceselectronically/

College of Psychologists: COVID-19 UPDATES AND INFORMATION http://www.cpo.on.ca/Templates/Default-Inner-Page.aspx?id=2262

Pragmatics of Telepsychology Practice in the Age of COVID-19 https://ce.nationalregister.org/videos/pragmatics-of-telepsychology-practice-in-the-age-of-covid-19-archived/

The Trust: A Practical Guide to Providing Telepsychology with Minimal Risk https://parma.trustinsurance.com/Workshops-Webinars/Free-CE/A-Practical-Guide-to-Providing-Telepsychology-with-Minimal-Risk

The Trust: COVID-19 Resources for Practitioners https://parma.trustinsurance.com/Resource-Center/COVID-19-Resources

The Trust PARMA Resource Center https://parma.trustinsurance.com/Resource-Center