SSPI-2 Validation

Chair: Kelly M. Babchishin

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Sexual interest in children is the leading factor in the **onset and maintenance** of child sexual abuse

Self-report

- Easy to administer
- Inexpensive



• Social desirability

• Impression

management

Attentional or viewing tasks

- Does not require direct questioning
- Inexpensive
- Easy to administer



Less researched

Phallometric testing

- Objective quantifiable measure of sexual arousal
- Large research base



Costly

lacksquare

- Invasive
- Time consuming

• No standardization

File based measures

- Easy to collect
- Can code retrospectively



Less research

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Construct validity

Today's symposium

An independent validation of the SSPI-2!



Convergent and divergent validity of the SSPI-2

Alexis Hinkson & Melissa O'Donaghy





Screening Scale for Pedophilic Interests



Seto & Lalumière (2001)







SSPI

Seto & Lalumière (2001)



Total Score: 5



SSPI-2

Seto et al. (2017b)

Any boy victim(s)

More than one victim

Any prepubescent victim(s)

Any extrafamilial victim(s)

Any child pornography offences

Total Score: 5

Assessing Validity



A tool's ability to measure what it claims to be measuring

Convergent Validity



Divergent Validity



Campbell & Fiske (1959)



When similar measures of the same construct, have strongly related scores (Gravetter & Forzano, 2018)



Deviant Sexual Interests Items

STABLE-2000 (*r* = .27) STABLE-2007 (*r* = .55)

Helmus et al. (2015)

Deviant Sexual Interests Subscale

Static-2002R (*r* = .70)

Helmus et al. (2015)



Divergent Validity

When there are small to null correlations between two or more measures that assess different constructs (Gravetter & Forzano, 2018)





SSPI $r_{pb} = .008$ SSPI-2 $r_{pb} = .005$ Seto et al. (2017a)



SSPI $r_{pb} = -.010$ **SSPI-2** $r_{pb} = .002$ Seto et al. (2017a)

Current Study

Validate the SSPI-2 as a measure of sexual interest in children by examining its **convergent** and divergent validity with other measures

Current Study



Divergent Validity

The SSPI-2 would have divergent validity with measures that assess antisociality and general criminality





Men convicted of at least one contact sexual offence in Canada

Removed all participants without any child victims under the age of 15

Removed at least a minimum **5-year**

Hanson & Harris (2000)



Participants

Community Supervision

1987



men convicted of at least 264 one contact sexual offence



Higher Risk of Sexual Recidivism

Hanson & Harris (2000)

Current Sample Characteristics

of Sex Offences

M = 2.76 (SD = 4.32)



M = 35 years old (SD = 11.08)

SSPI-2 *M* = 3.06 (*SD* = 1.04)



Ethnicity

- White
- Indigenous
- Black
- Asian
- Other





Sexual Domain Variables





SSPI-2: M = 3.06 (SD = 1.04)



Risk Tools & General Criminality Variables





Polychoric Correlations

for non-continuous variables

Effect Sizes

.10 = small.30 = moderate.50 = large

Polyserial Correlations

for ordinal and continuous variables

Results: Construct Validity

SSPI-2 Convergent Validity





Pedohebephilia *r* = .52

Attitudes *r* = .23

Results: Construct Validity

SSPI-2 Divergent Validity





Conduct Disorder r = -.07

BARR-2002R *r* = -.06

Assessing Validity



Divergent Validity



Campbell & Fiske (1959)

Discussion

Convergent Validity

The **SSPI-2** is strongly associated with measures that assess **atypical sexual interests**

It is best suited to assess pedophilia

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Divergent Validity

The **SSPI-2** is not associated with **antisociality or general criminality** measures

It is not well-suited to assess antisociality or violent/general recidivism

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Similar results obtained by Seto and colleagues (2017a; 2017b) and Helmus et al. (2015)

The SSPI-2 is a valid measure of sexual interest in children

Thank you for listening!

Any questions?





SEXUALLY HARMFUL BEHAVIOURS

Research Lab

Predictive validity of the SSPI and SSPI-2

Rachael Zarbl & Melissa O'Donaghy







What is Predictive Validity?

How well the measure of interest can **predict** a relevant outcome



Campbell & Fiske (1959)





SSPI-2 had a small to moderate prediction of sexual reoffending

Brouillette-Alarie et al. (2018); Hanson & Morton-Bourgon (2004)



Accurate predictions require general and sexual criminality measures

The Current Study

Examine the differences between the SSPI and the SSPI-2 on **predictive accuracy**





The SSPI-2 will be a **better** predictor of sexual recidivism than the SSPI





Participants

Community Supervision

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men convicted of at least 264 one contact sexual offence



Higher Risk of Sexual Recidivism

Hanson & Harris (2000)









Delong Test

AUC for Recidivism Fixed 5-Year

1





AUC for Recidivism Fixed 5-Year





Noncontact Sexual





Noncontact Sexual

AUC for Recidivism Fixed 20-Year

1





Noncontact Sexual

AUC for Recidivism Fixed 20-Year

1





AUC for Recidivism Fixed 20-Year

1









SSPI-2 is a better predictor of sexual recidivism than the **SSPI**

Discussion



The addition of the **child pornography** item contributed to the SSPI-2's prediction of reoffending



Thank you for listening!

Any questions?





SEXUALLY HARMFUL Behaviours

Research Lab

Incremental validity of the SSPI-2

Melissa O'Donaghy





SEXUALLY HARMFUL BEHAVIOURS Research Lab



Predictive Validity

What is incremental validity?

Whether a measure of interest adds unique information above and beyond what is already being captured by another measure



Horst (1941)



Helmus et al. (2015); Seto et al. (2004)



in the prediction of **5-year** any sexual recidivism





Static-99R

2002R



Participants

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men convicted of at least 264 one contact sexual offence



Higher Risk of Sexual Recidivism

Hanson & Harris (2000)



Actuarial risk assessment tool designed to predict **sexual recidivism**



10 items



Helmus et al. (2012)



Actuarial risk assessment tool designed to predict **sexual recidivism**







14 items





Helmus et al. (2012)

Data Analyses

Logistic regression to determine whether the SSPI-2 added incrementally to another measure in predictions of sexual recidivism

exual recidivism, other measure



+

+





PCL-R

VRAG-R



Results and Discussion





Static-99R

Static-2002R

Measures of sexual criminality

Results and Discussion







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any boy victim(s) any boy victim(s)



Practical Implications













Current study



Babchishin et al. (2023)

Thank you for listening!

Any questions?

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