

Tilburg University

PCL-RField validity

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Petra Habets

PCL-R field validity: prison versus hospital settings

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Psychopathy



Ted Bundy

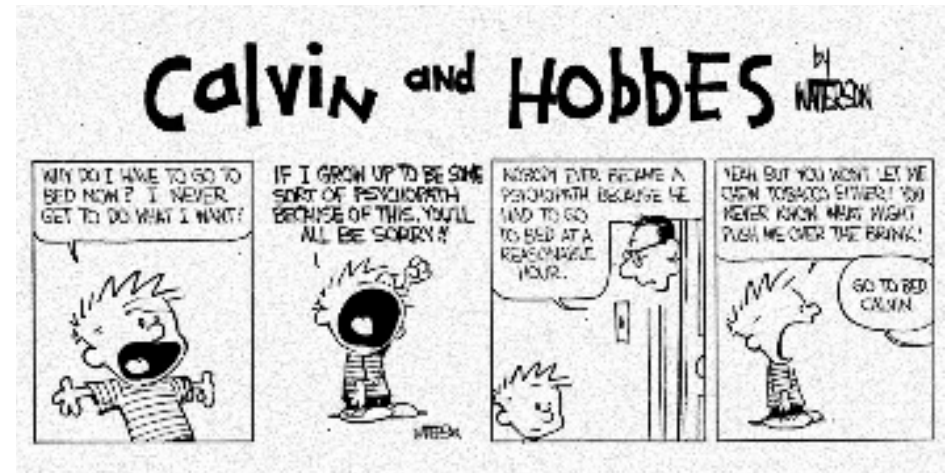


Ronald Janssen

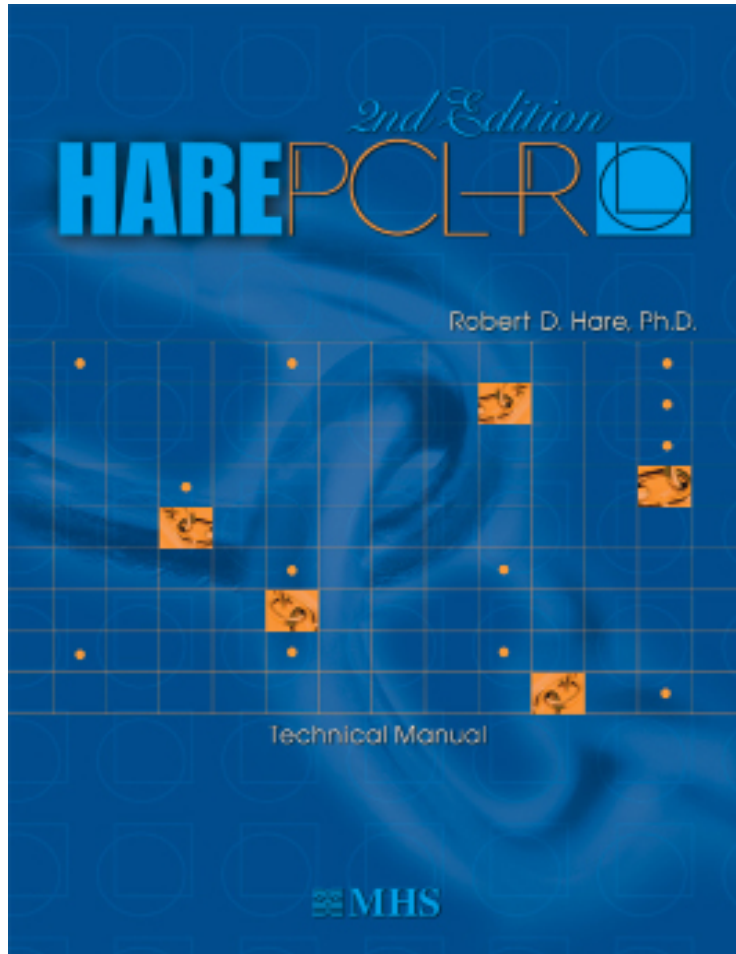
Definition

“We do not use the term psychopathy as a synonym for personality deviation in general, or as a medicolegal category [...]. We define psychopathy in terms of a cluster of personality traits and socially deviant behaviors.”

R.D. HARE en S.D. HART, “Psychopathy, mental disorder and crime”, in S. HODGIN (ed.), *Mental disorder and crime*, Californië, Sage Publications, Inc., 1993, 104.



Psychopathy Checklist-Revised



- Psychopathic traits
- Interview and file information
- Range 0-40
- ≥ 30 : psychopath

Items

Factor 1

Glibness/superficial charm
Grandiose sense of self worth
Pathological lying
Conning/manipulative
Lack of remorse or guilt
Shallow affect
Callous/Lack of empathy
Failure to accept
responsibility for own actions

Factor 2

Need for stimulation/
proneness to boredom
Parasitic lifestyle
Poor behavioral controls
Early behavioral problems
Lack of realistic, long term
goals
Impulsivity
Irresponsibility
Juvenile delinquency
Revocation of conditional
release

Promiscuous sexual
behavior

Many short-term marital
relationships

Criminal versatility



strongest predictor

Validity

Law Hum Behav (2008) 32:28–45

DOI 10.1007/s10979-007-9096-6

ORIGINAL ARTICLE

A Large-Scale Meta-Analysis Relating the Hare Measures of Psychopathy to Antisocial Conduct

Anne-Marie R. Leistico · Randall T. Salekin ·
Jamie DeCoster · Richard Rogers

Field validity

Psychological Assessment
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Law Han Behar
DOI: 10.1037/1076-898X.25.3.307-5

BRIEF REPORT

Field Validity of the Psychopathy Checklist–Revised in Sex Offender Risk Assessment

Daniel C. Murrie
University of Virginia

Marcus T. Boccaccini, Jennifer Caperton,
and Katrina Rufino
San Houston State University

ORIGINAL ARTICLE

Does Interrater (Dis)agreement on Psychopathy Checklist Scores in Sexually Violent Predator Trials Suggest Partisan Allegiance in Forensic Evaluations?

Daniel C. Murrie · Marcus T. Boccaccini ·
Jeremy T. Johnson · Chelsea Janke

On Individual Differences in Person Perception: Raters' Personality Traits Relate to Their Psychopathy Checklist–Revised Scoring Tendencies

Audrey K. Miller¹, Katrina A. Rufino¹, Marcus T. Boccaccini¹,
Rebecca L. Jackson², and Daniel C. Murrie³

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http://apa.sagepub.com



Study design

- Large observational study
- Forensic psychiatric patients 2001-2010
- First in Flanders investigating recidivism and risk assessment tools
- Commission of social defence
- Medium security forensic wards
 - Bierbeek
 - Rekem
 - Zelzate



'Don't spread it around, but on the really tough ones, I just go with 'eenie, meenie, minie, moe.'

Study design

- Demographic variables
- Diagnostic variables
- Recidivism rates
- Risk assessment tools
e.g. PCL-R scores
 - Prison
 - Psychiatric hospital



"It hasn't been easy, but I'm very proud of their low recidivism rate."

Study objectives

- Predictive validity
- Inter-rater reliability
- Identify difference in scoring between a selection of prison and hospital settings in Flanders

Datasets

		N
Total dataset		532
Dataset a	PCL-R scores	193
Dataset b	Recidivism rates (Commission Ghent and Leuven)	105
Dataset c	Subjects with ≥ 2 PCL-R scores available	44

Statistics

- Area under the curve (AUC)

Predictive validity: general and violent recidivism

- Difference scores

- Intraclass correlation coefficient (ICC)

Two-way random

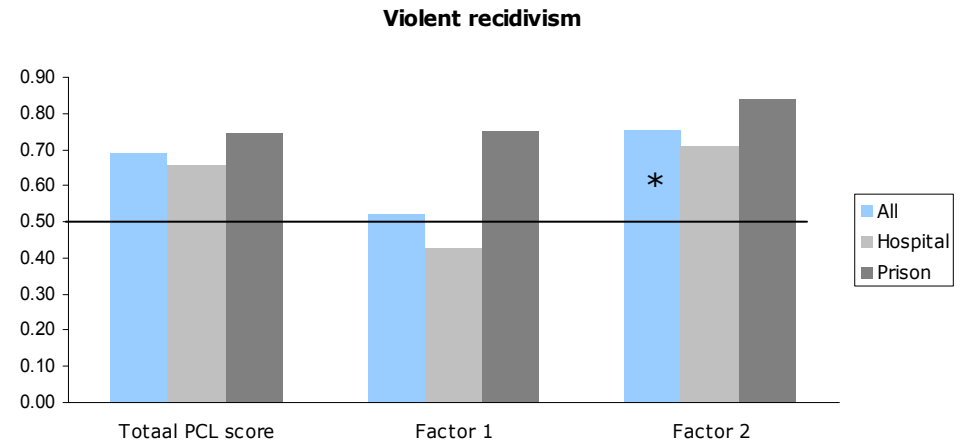
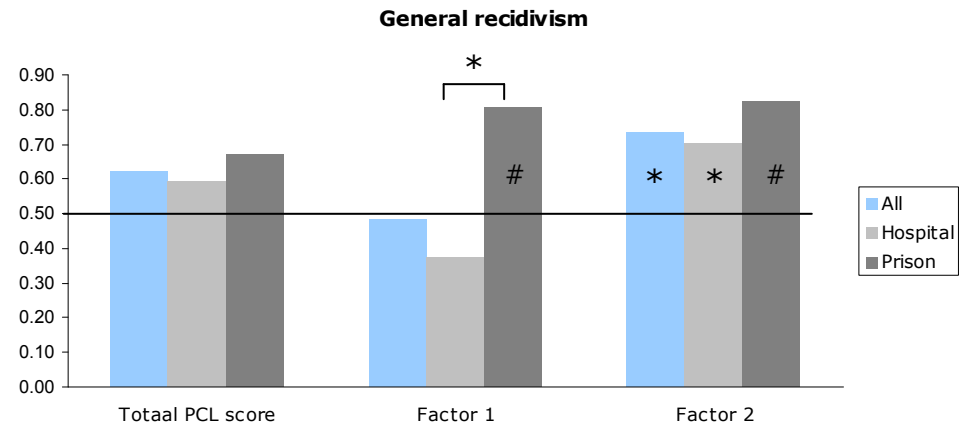
Absolute agreement

Recidivism rates

	General	Violent
Prison	5/38 13%	3/40 7.5%
Hospital	10/82 12%	5/87 6%

Results

AUC

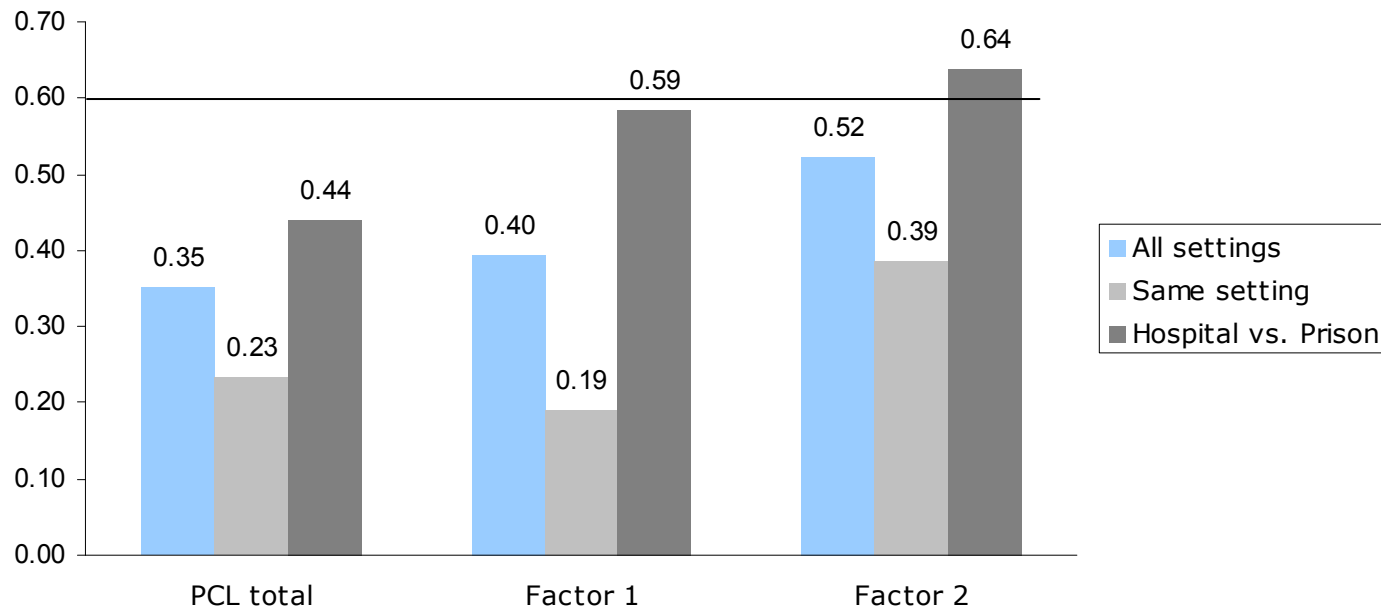


Results

Difference within subjects

	Same setting	Hospital vs. Prison
Total PCL	-16 — 16.7	-11.6 — 19
Factor 1	-7 — 7	-7 — 6
Factor 2	-7 — 9.1	-6 — 6

Results ICC



Discussion

- Despite some high AUC values
- Only factor 2 significant predictor of general and violent recidivism
- Prison factor 1 trend significant predictor general recidivism
- Low base rate

Discussion

- Despite 'large' differences in AUC values between settings:
- Only prison factor 1 scores predicted significantly better than hospital scores for general recidivism
- Prison better access to collateral information?
- Selection bias?
- Prison only PCL interview when (strong) suspicion of psychopathy?
- More PCL scores found for hospitals compared to prisons: 193 vs. 71
- Hospitals do not easily admit patients with high psychopathy -> low chance of high PCL scores

Discussion

- Low inter-rater reliability
 - Amount of raters unknown
 - Prison raters trained by same person
 - Hospital raters unknown
- Highest reliability when comparing prison with hospital settings ???
 - Double scores in same setting
 - could indicate a difficult case
 - Second score in hospital acquired without knowledge of 1st score



"What's the opposite of Eureka!?"

Future plans

- Low inter-rater reliability
 - Amount of raters unknown
 - Prison raters trained by same person
 - Hospital raters unknown
- Highest reliability when comparing prison with hospital settings ???
 - Double scores in same setting
 - could indicate a difficult case
 - Second score in hospital acquired without knowledge of 1st score



"What's the opposite of Eureka!?"

Future plans

- Recidivism rates complete:
 - Analyses on facet level
 - Difference in predictive validity between settings
- Investigate incidences

Thanks to...

- The team
 - Dr. Inge Jeandarme
 - Claudia Pouls
 - Veerle Verreyt
- Prof. dr. T.I. Oei
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 - Bierbeek
 - Rekem
 - Zelzate



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