

Standardized Risk Categories for Communicating the Results from Risk Assessment Measures:

Static-99R with 4,454 Sex Offenders
on Community Supervision

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Overview

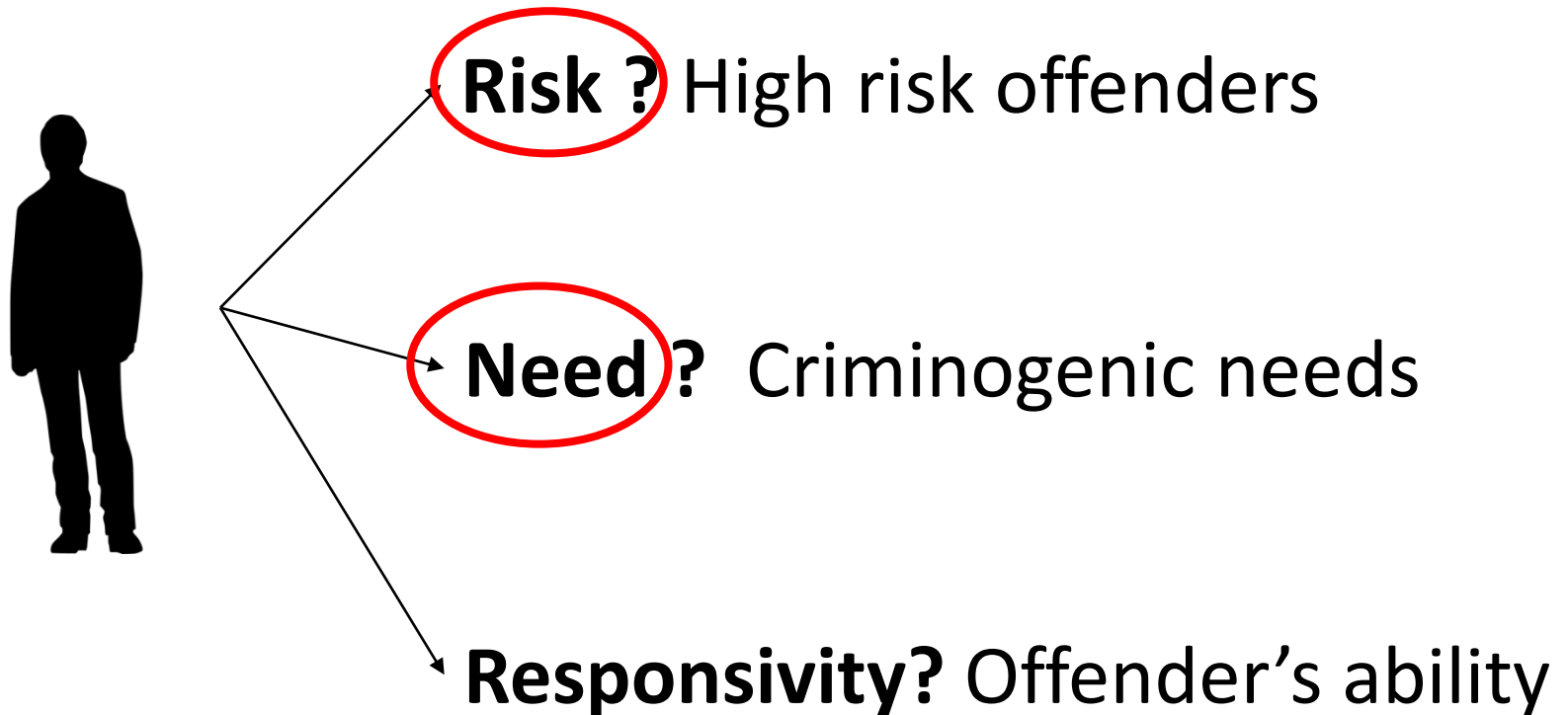
- Challenges of communicating the risk assessment results
- Introduce the New Standardized Risk Categories
- Examine the utility of the standardized risk categories

Challenges

of communicating
risk assessment results

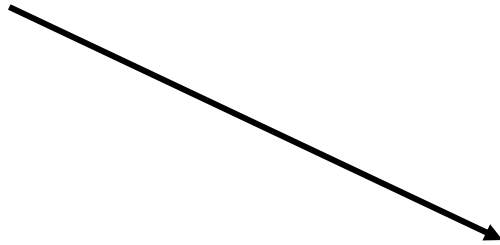
Risk assessment

R-N-R model

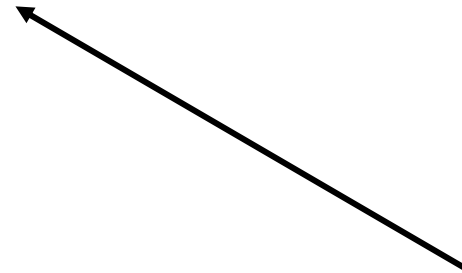


Risk assessment

Predicting



Recidivism risk



Reducing

Risk assessment

Unstructured risk measures

VS

Structured risk measures

(Ægisdóttir et al., 2007)

Risk assessment



Risk assessment



6 continents
44 countries
2,135 respondents

More than 200 instruments

(Singh et al., 2014)

Risk assessment

How do we compare the results of assessments conducted with different instruments?

Risk assessment

1) Percentile rank

2) Risk ratios

3) Absolute recidivism

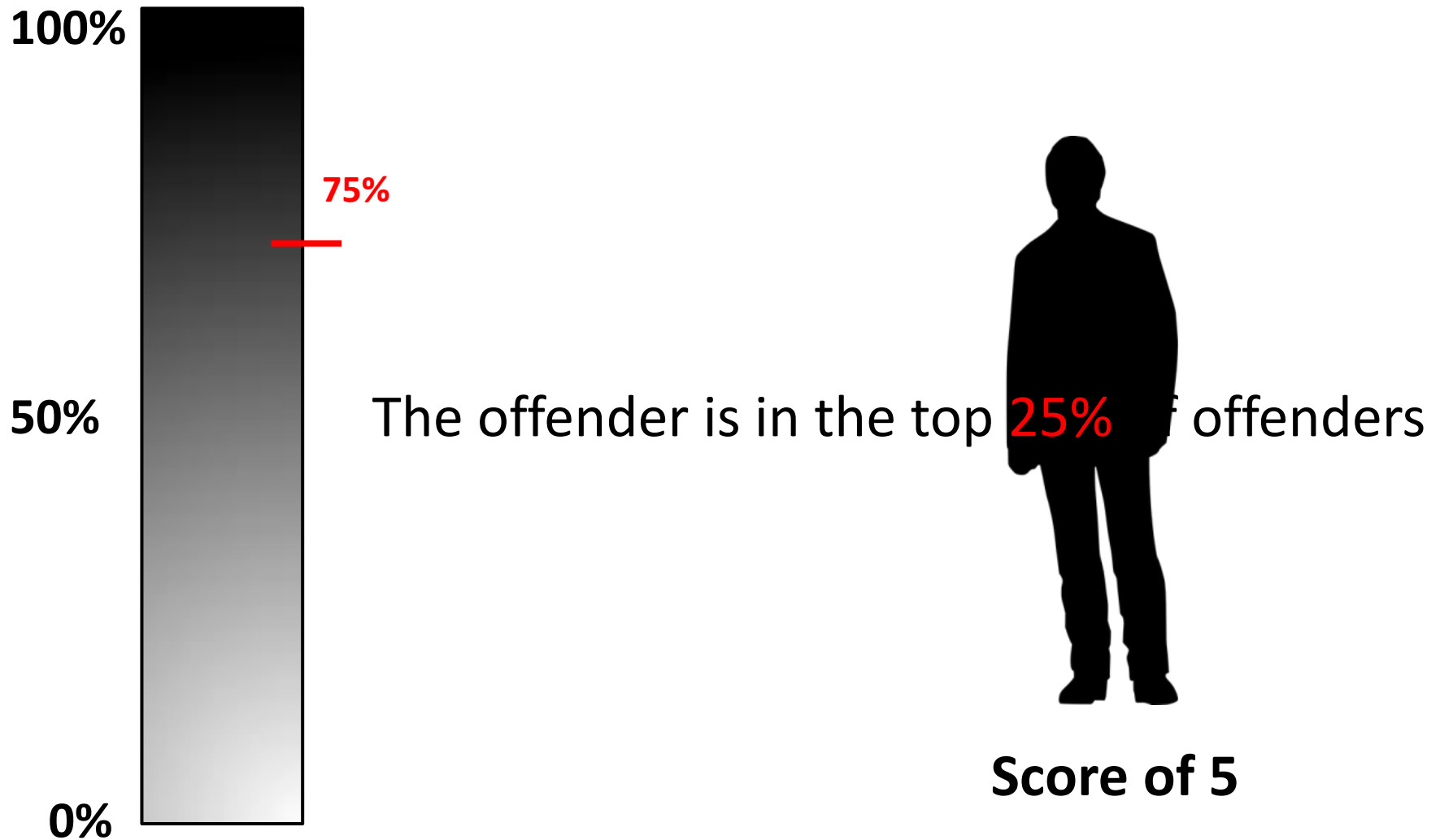
4) Categorical level



Numerical information

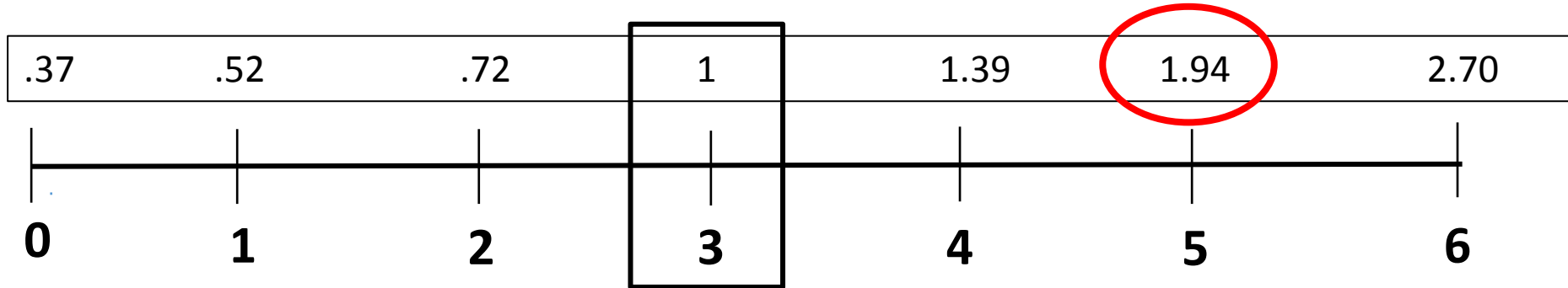
Risk assessment

Percentile rank



Risk assessment

Risk ratios



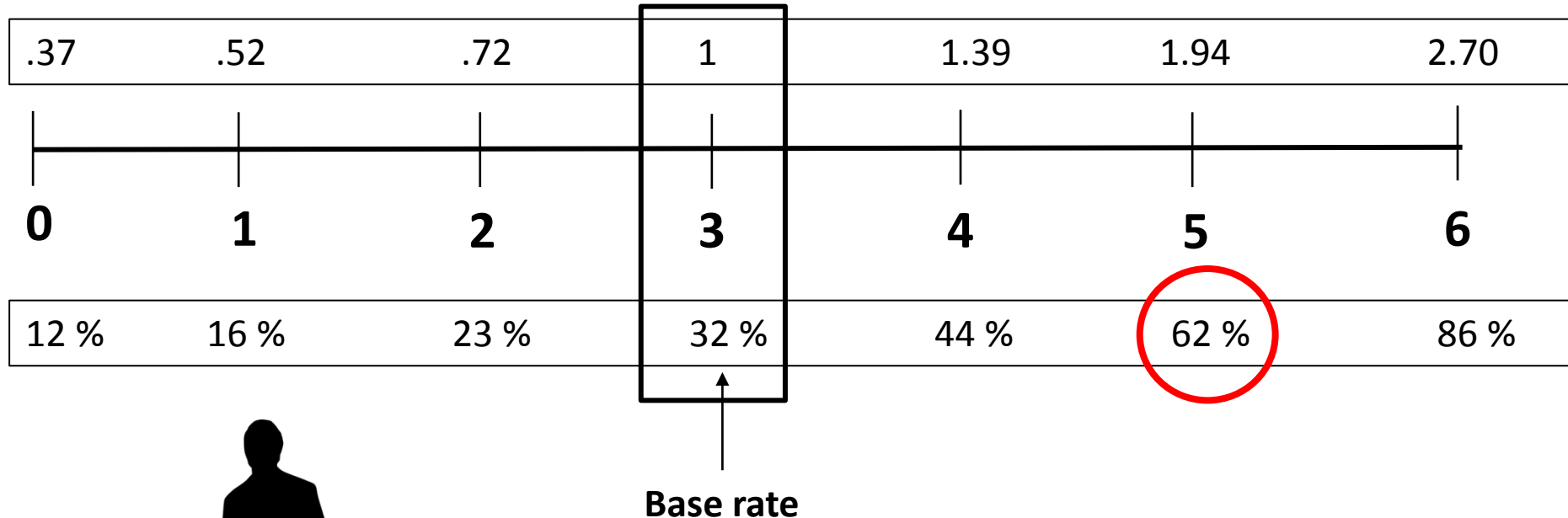
Offender with a score of 5 are 1.94 times more likely to reoffend



Score of 5

Risk assessment

Absolute recidivism



Score of 5

The 5-year recidivism rate is 62 %

Risk assessment

In the top 25% of offenders



1.94 times more likely to reoffend

The 5-year recidivism rate is 62 %

Score of 5

Risk assessment

Categorical terms

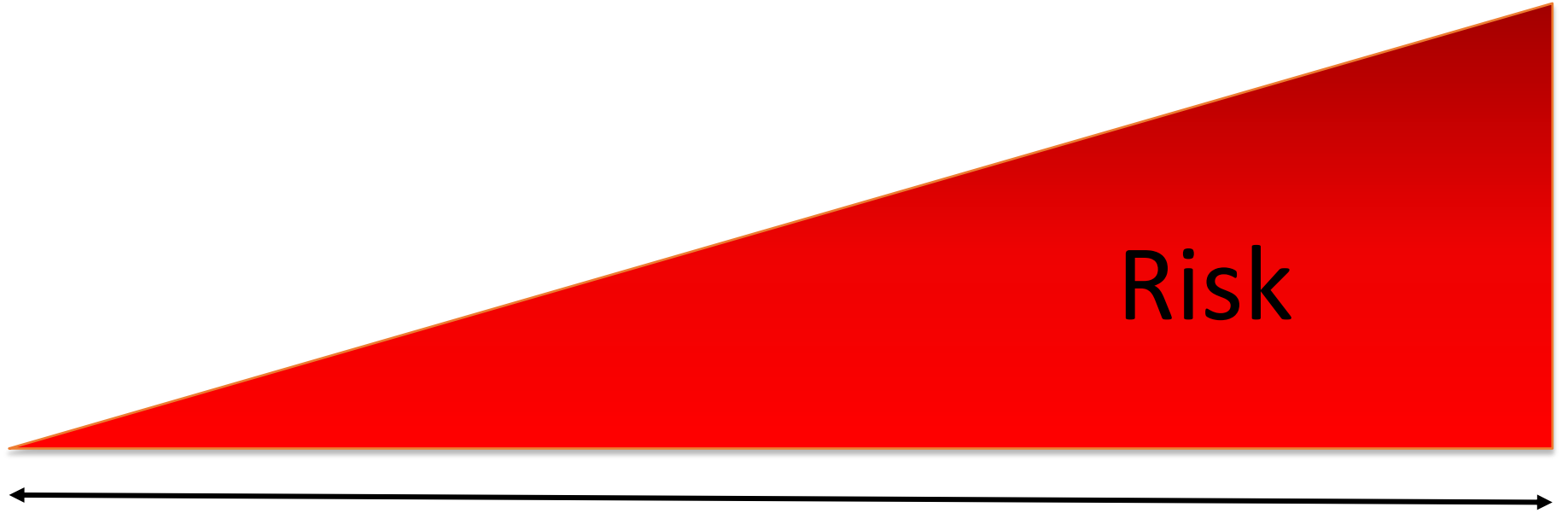


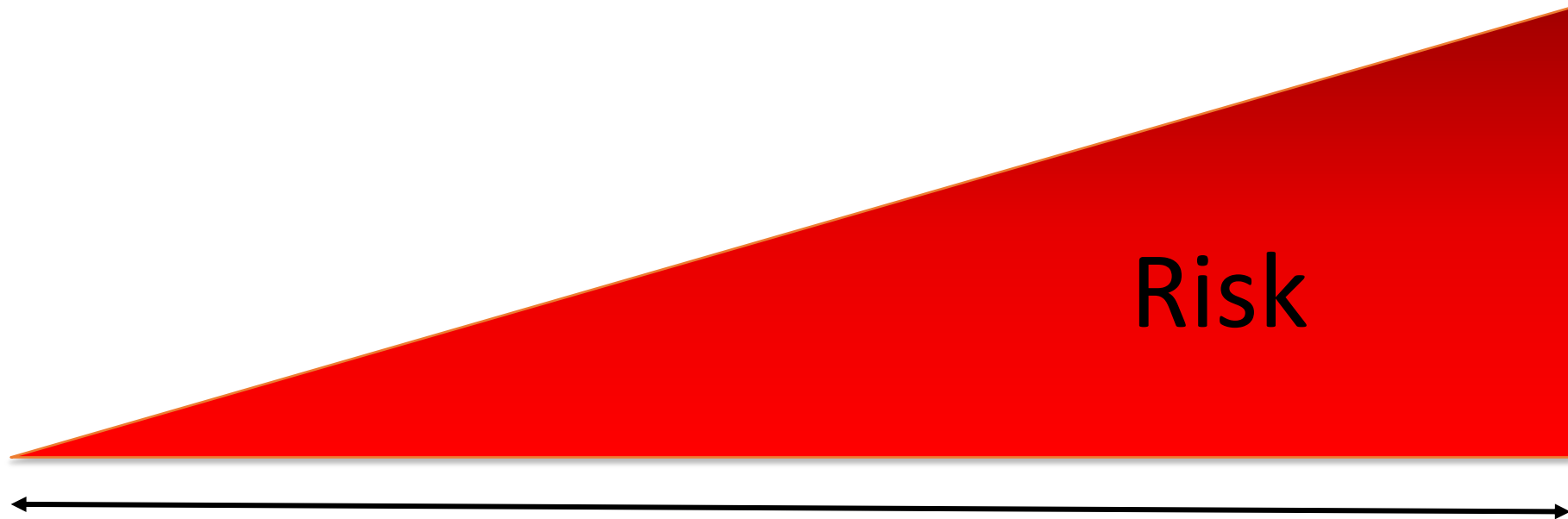
Low?

Moderate?

High?

(Blais & Forth, 2014; Varela et al., 2014)







Scale 1

Risk

Low

Moderate

High



Scale 2



Low

Moderate

High



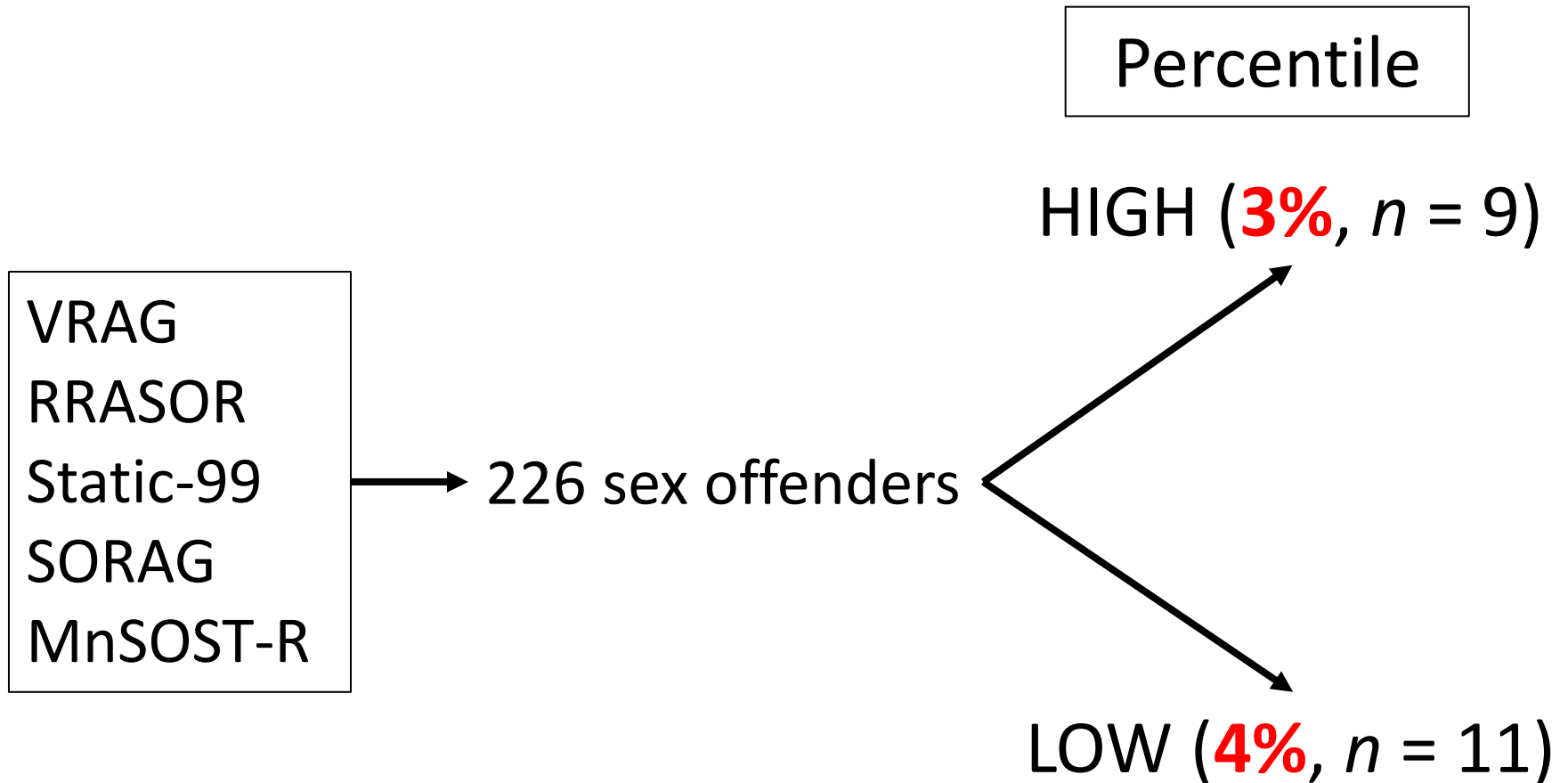
Scale 3



Low	Low-moderate	Moderate	Moderate-high	High
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Risk assessment



(Barbaree et al., 2006)

Risk assessment

10,422 sex offenders

High risk offenders

8 instruments
29 samples

**Sexual recidivism rates = 5.3%
(range of 0.7 to 12.4%)**

(Singh et al., 2013)

Standardized Risk Categories

Five-Level

The Council of State Government Justice Center
&
Public Safety Canada

Standardized Risk Categories

1) Statistical information

- Absolute recidivism rates
- Percentile ranks
- Risk ratios

2) Interventions and management strategies

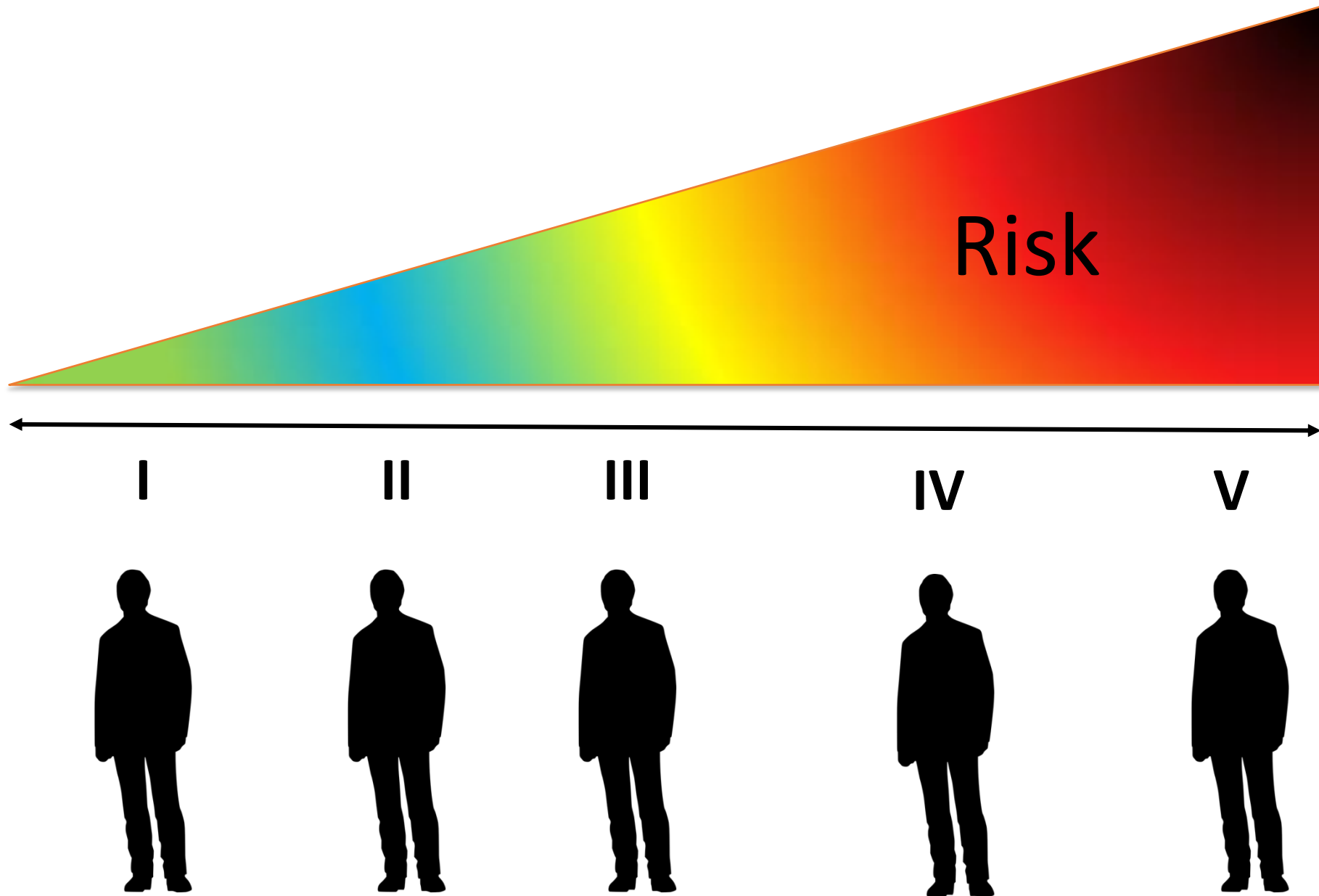
- Supervision dose
- Treatment dose
- Prognosis

Standardized Risk Categories

General recidivism

Level	Criminogenic needs	2-year recidivism	Supervision dose	Treatment dose
I	None or few	3%	Minimal or no monitoring	None
II	A few – mild and transitory	19%	Some	Minimal
III	Multiple – some severe	40%	Considerable	Significant - 100-200 hours
IV	Multiple – some chronic and severe	65%	Intensive	Very significant- 200-300 hours
V	Multiple – severe and entrenched	90%	Very intensive	Extensive - Over 300 hours

(Hanson et al., 2017)



Standardized Risk Categories

- Agreement, regardless of the instrument used
- Appropriate type and intensity of services (e.g., supervision, treatment)
- Cost efficiency
- Comparative research

Utility of Standardized Risk Categories for sex offenders

Standardized Risk Categories

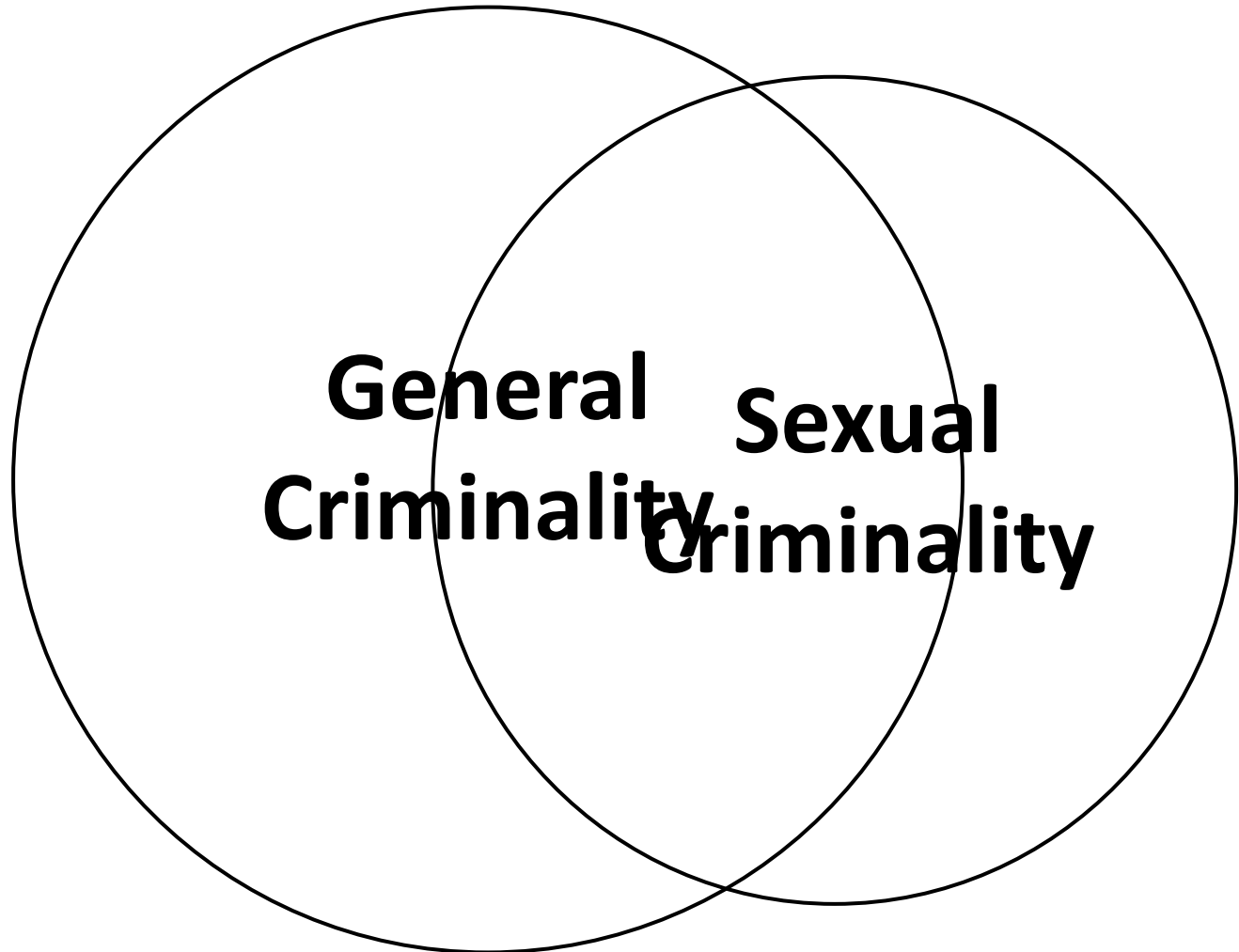
General recidivism



General Criminality

Standardized Risk Categories

Sexual recidivism



Standardized Risk Categories

General recidivism

Level
I
II
III
IV
V

2-year

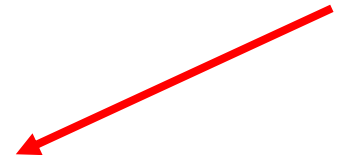
3%

19%

40%

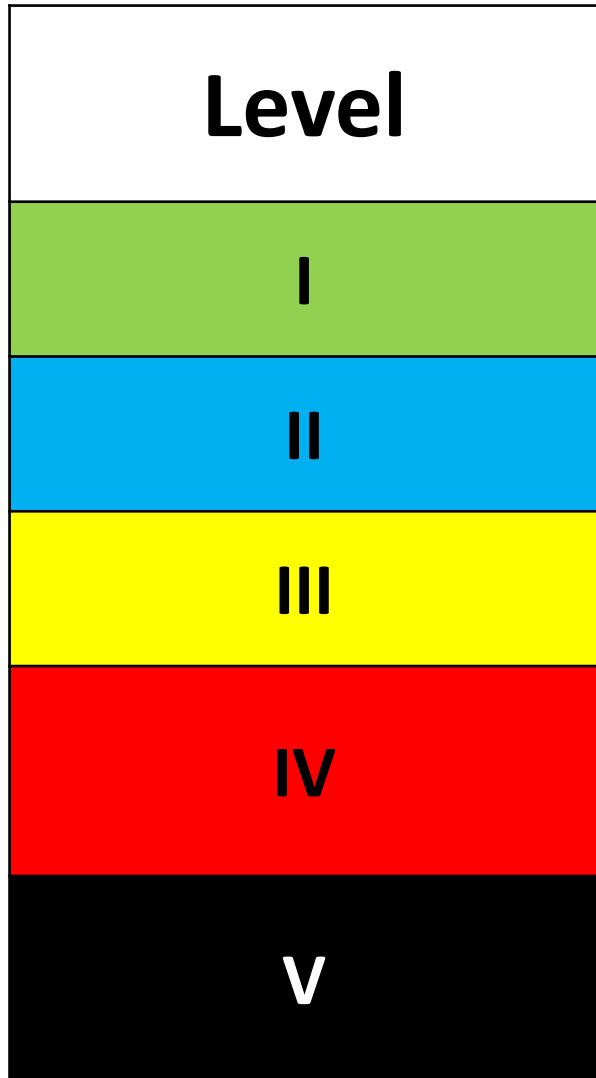
65%

90%

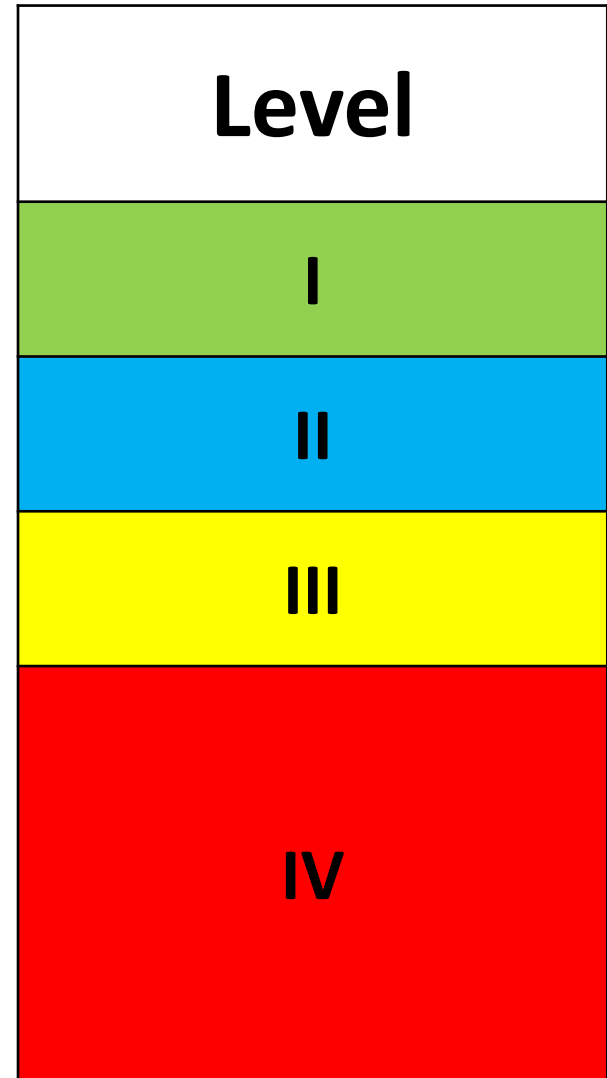


Standardized Risk Categories

General recidivism



Sexual recidivism



Standardized Risk Categories

Sexual recidivism

Level
I
II
III
IV

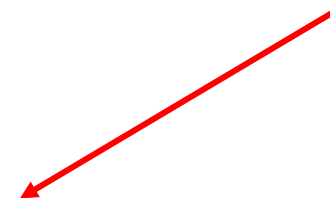
Risk ratio

.19 - .26

.37 - .52

.75 - 1.39

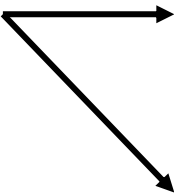
1.94 - 7.32



Standardized Risk Categories

Sexual recidivism

Level
I
II
III
IV



Level
I
II
III
IVa
IVb

Risk ratio

1.94 – 2.70

3.77 – 7.32

Standardized Risk Categories

Sexual recidivism

Level
I
II
III
IVa
IVb

Static-99

Standardized Risk Categories

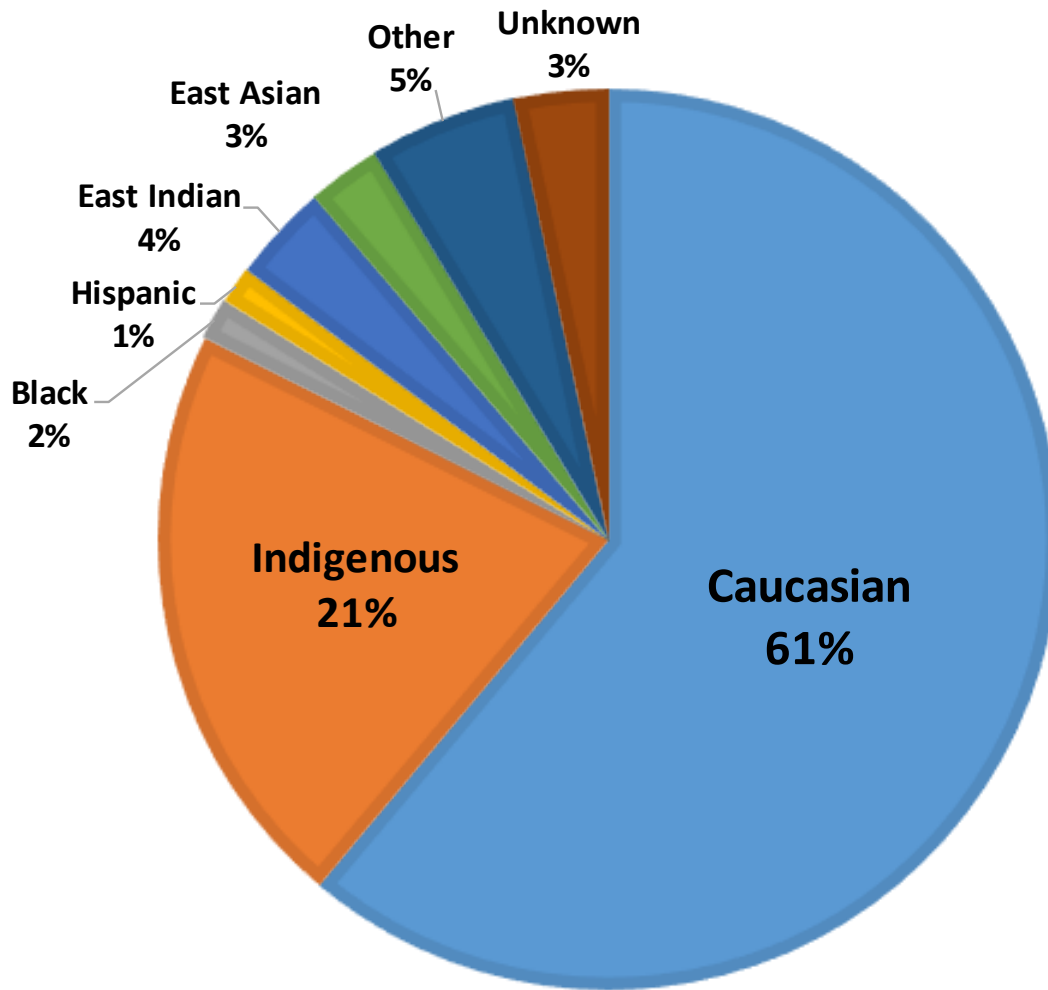
Category	Name	Static-99R Scores	Midpoint percentile	Predicted 5-year Recidivism rate (%)
I	Very Low	-3, -2	2.8	0.9-1.3
II	Below Average	-1, 0	14.8	1.9-2.8
III	Average	1, 2, 3	49.1	3.9-7.9
IVa	Above Average	4, 5	83.4	11.0-15.2
IVb	Well Above Average	6 or more	96.2	20.5-53.0

(Hanson et al., 2016)

Sample

- British Columbia Corrections
- Offenders serving jail sentences of 2 years or less and on community supervision between 2005 to 2013
- Average follow-up is 4.45 years ($SD = 2.51$, range of .003 to 8.47)
- Sex recidivism: 4.6% (201/4,376)
- Average age of release is 41 year-old (18 to 91 year-old)

Sample



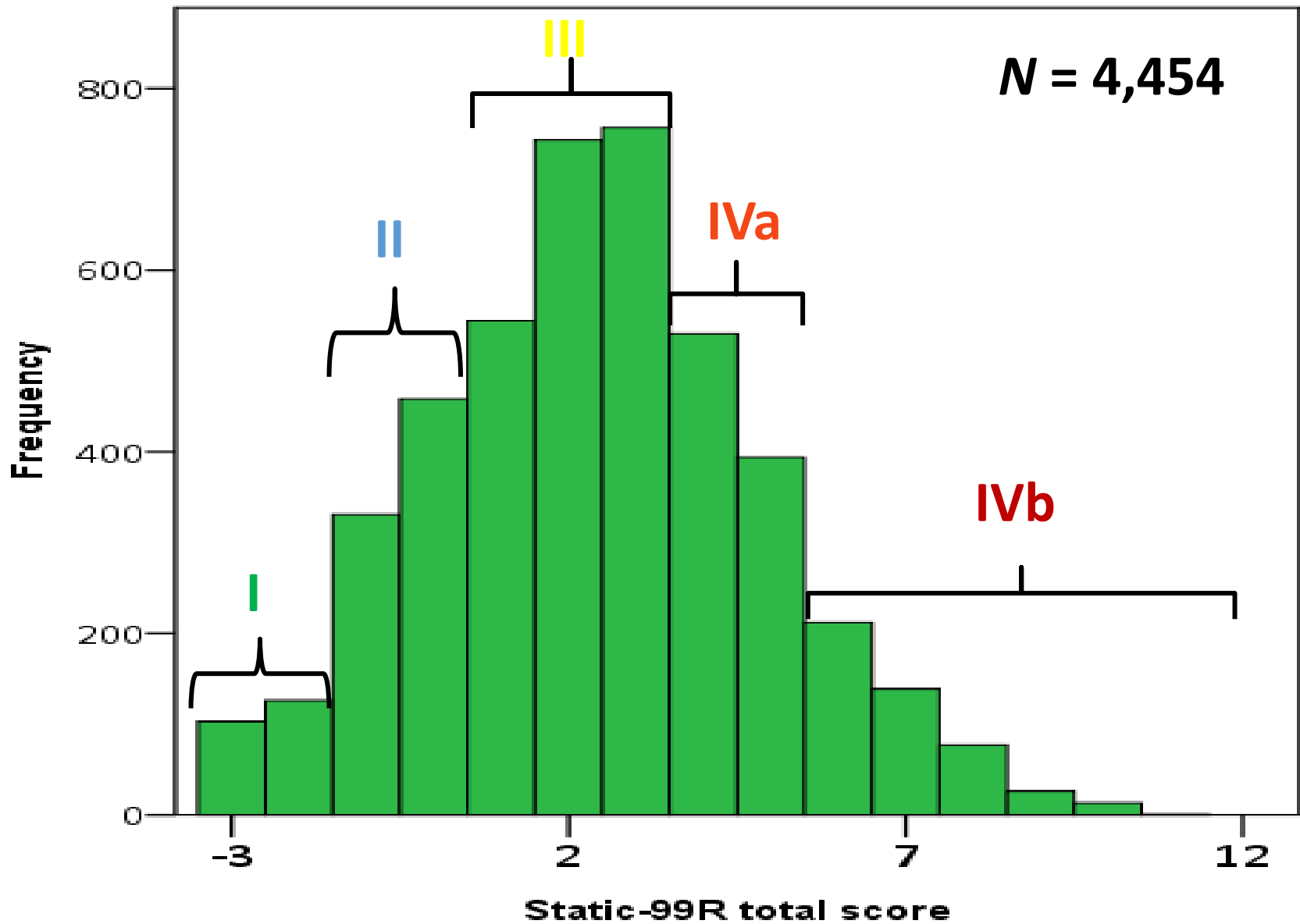
➤ Total $N = 4,454$

- Caucasian = 2,721
- Indigenous = 948
- Black = 66
- Hispanic = 60
- East Indian = 157
- East Asian = 118
- Other = 235
- Unknown = 149

Static-99R

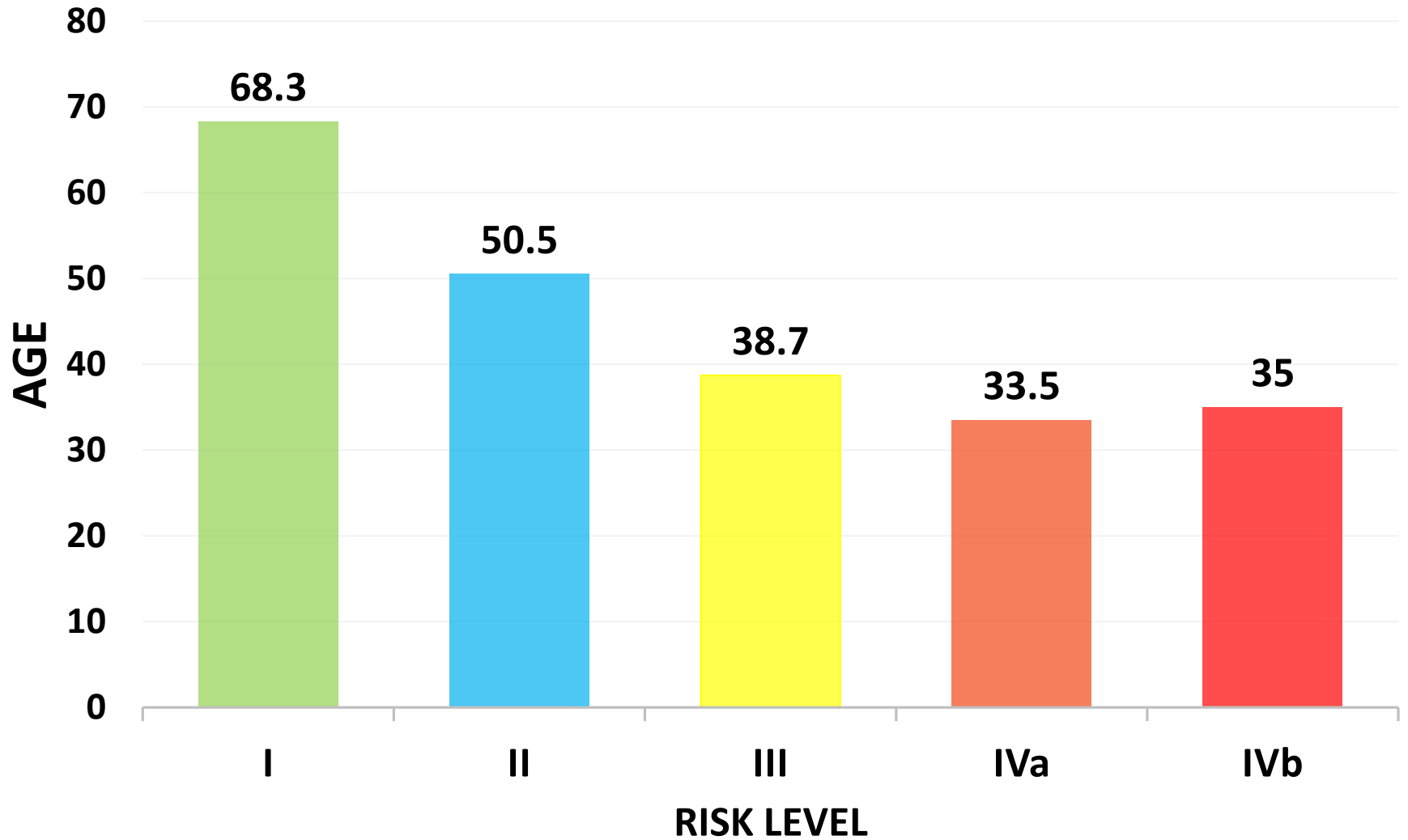
- Actuarial scale
- 10 items associated with sexual recidivism
- Adult male sexual offenders
- Total scores range from -3 to 12
- Moderate predictive accuracy (mean AUC = .70, $k = 22$, $N = 8,055$; Helmus et al., 2012)
- $M = 2.41$ ($SD = 2.48$, range of -3 to 11)

Results

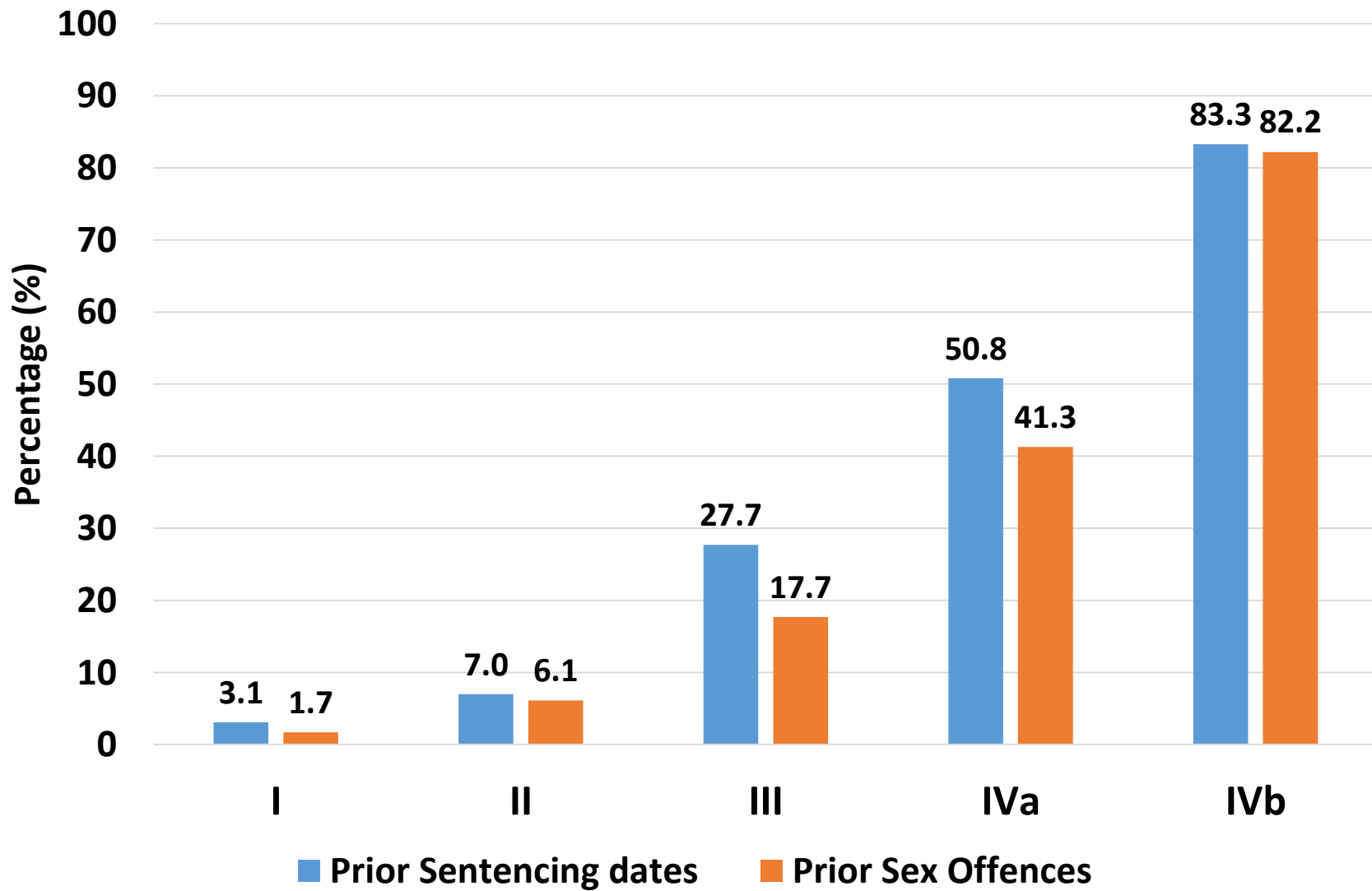


Results

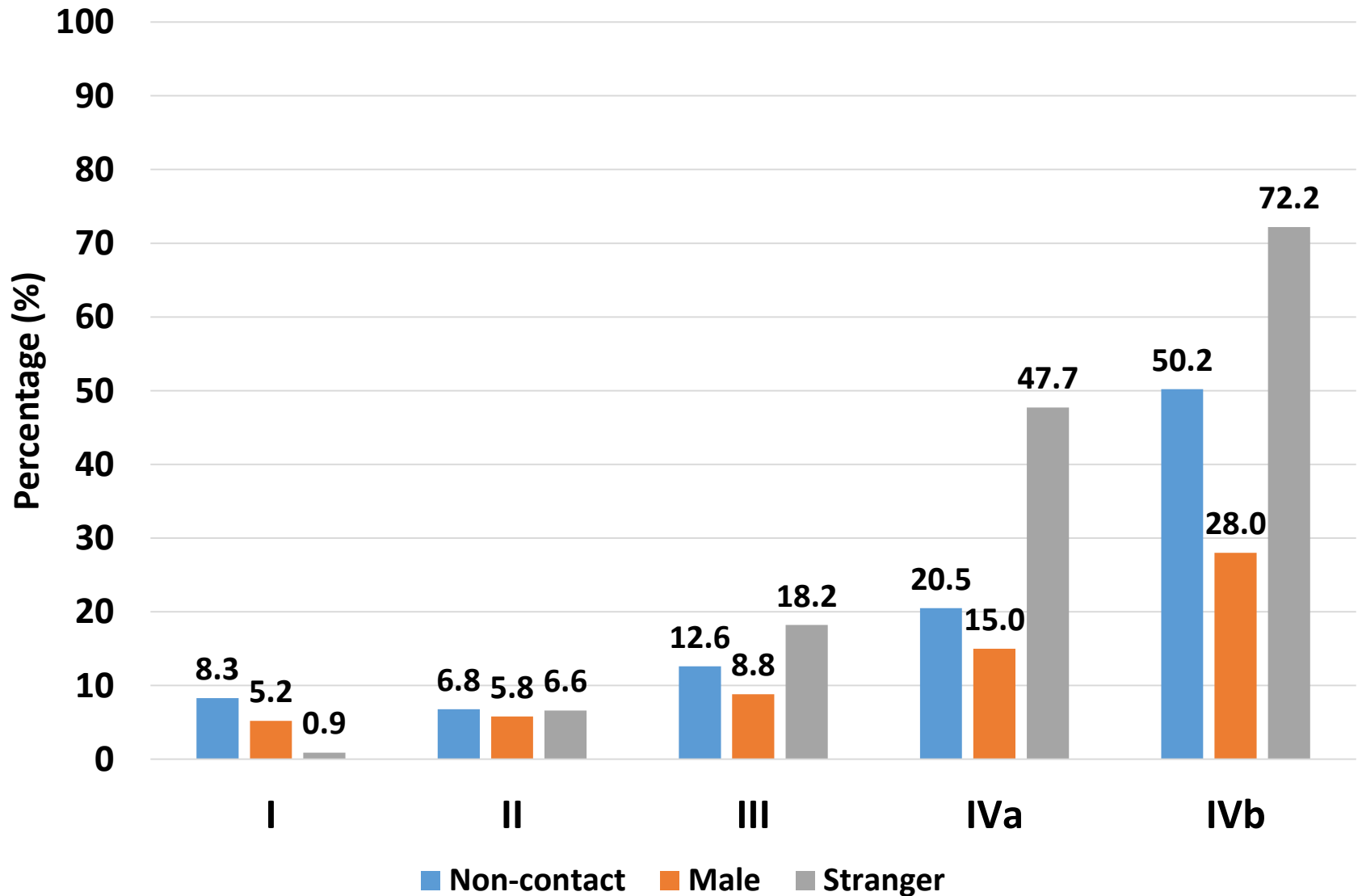
Age



Results

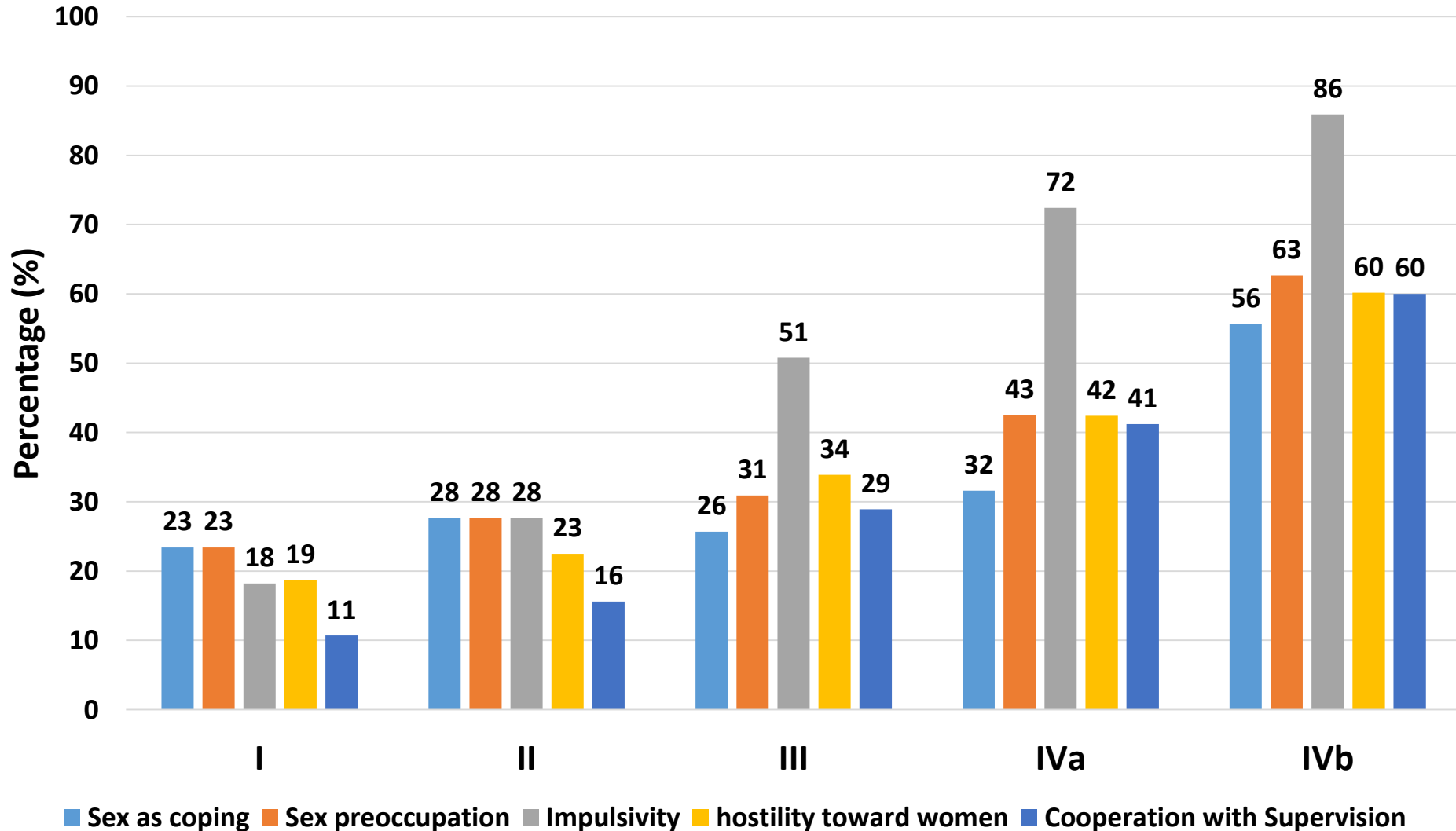


Results



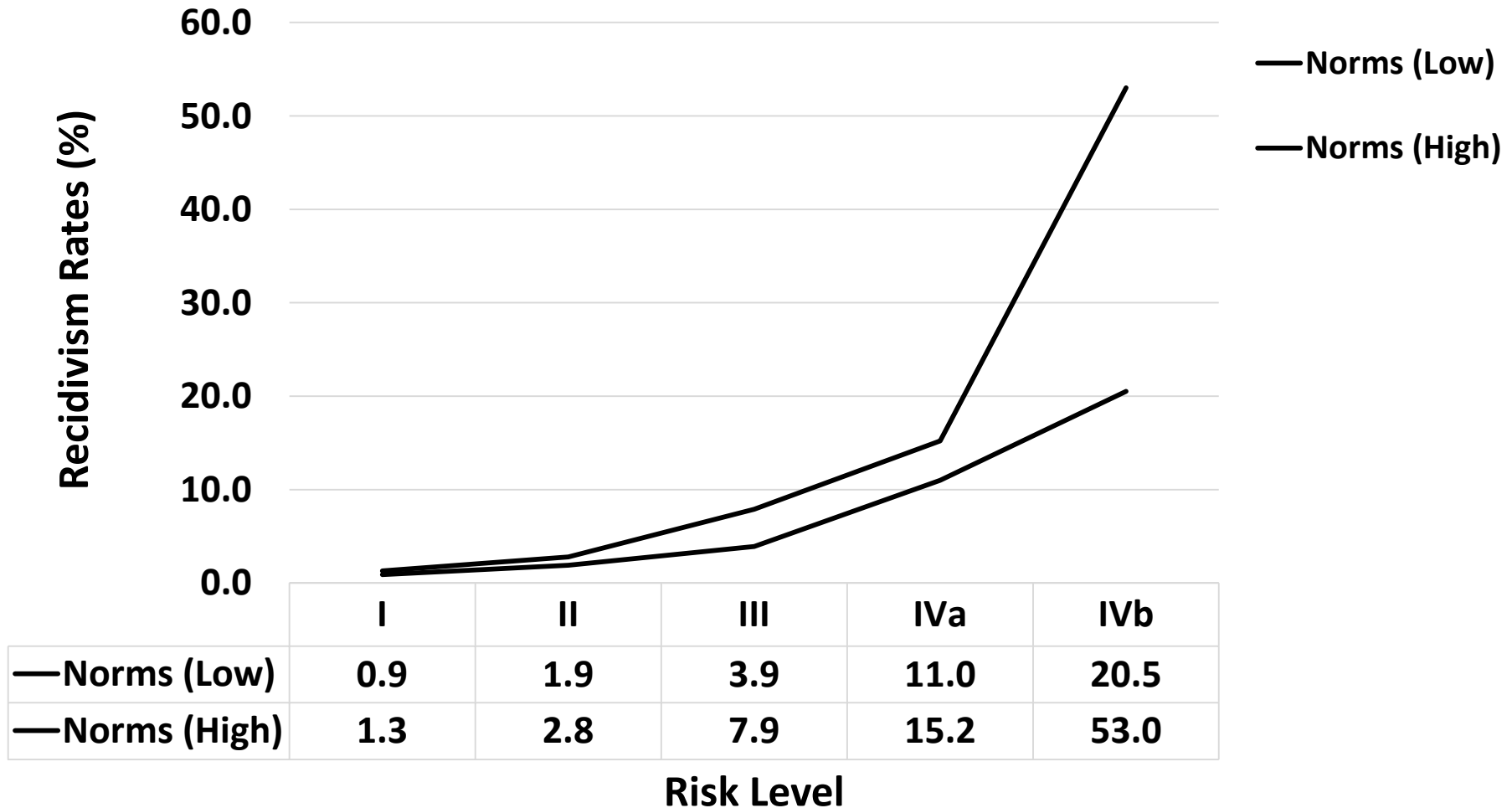
Results

Offender Characteristics



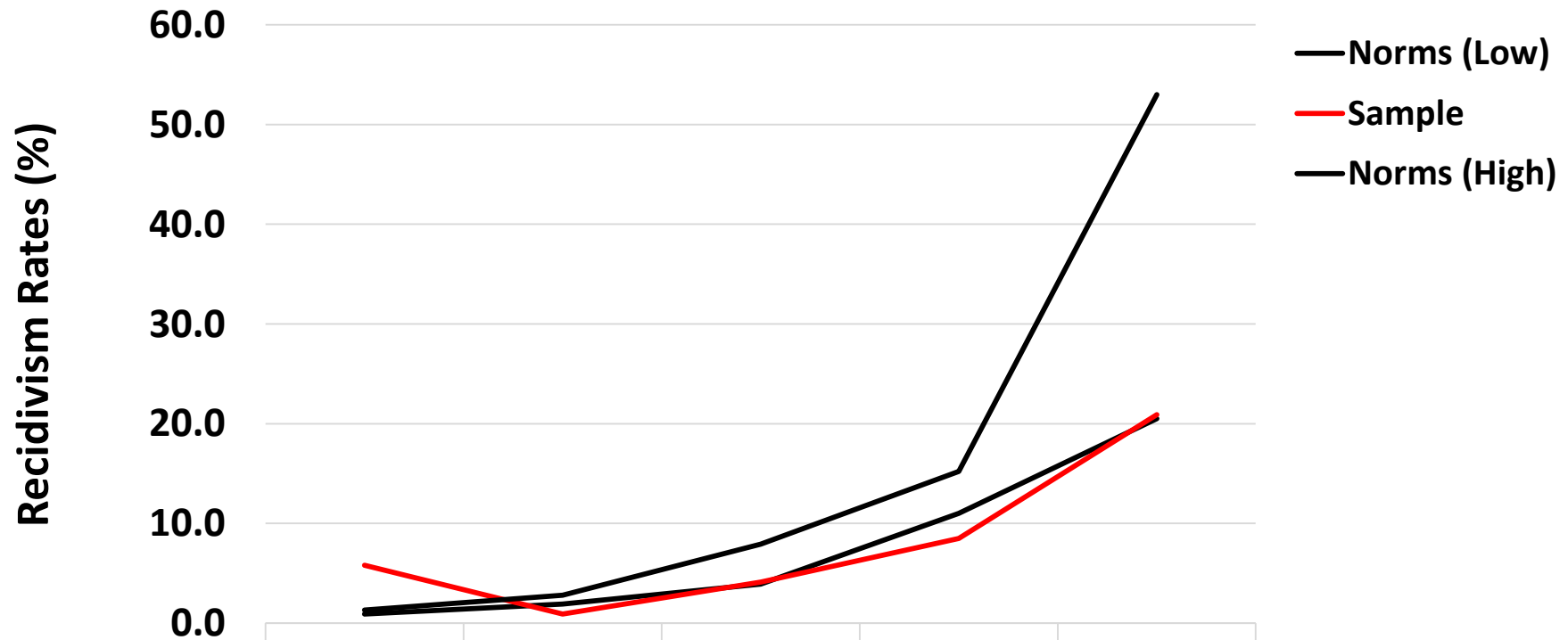
Results

Recidivism Rates (%)



Results

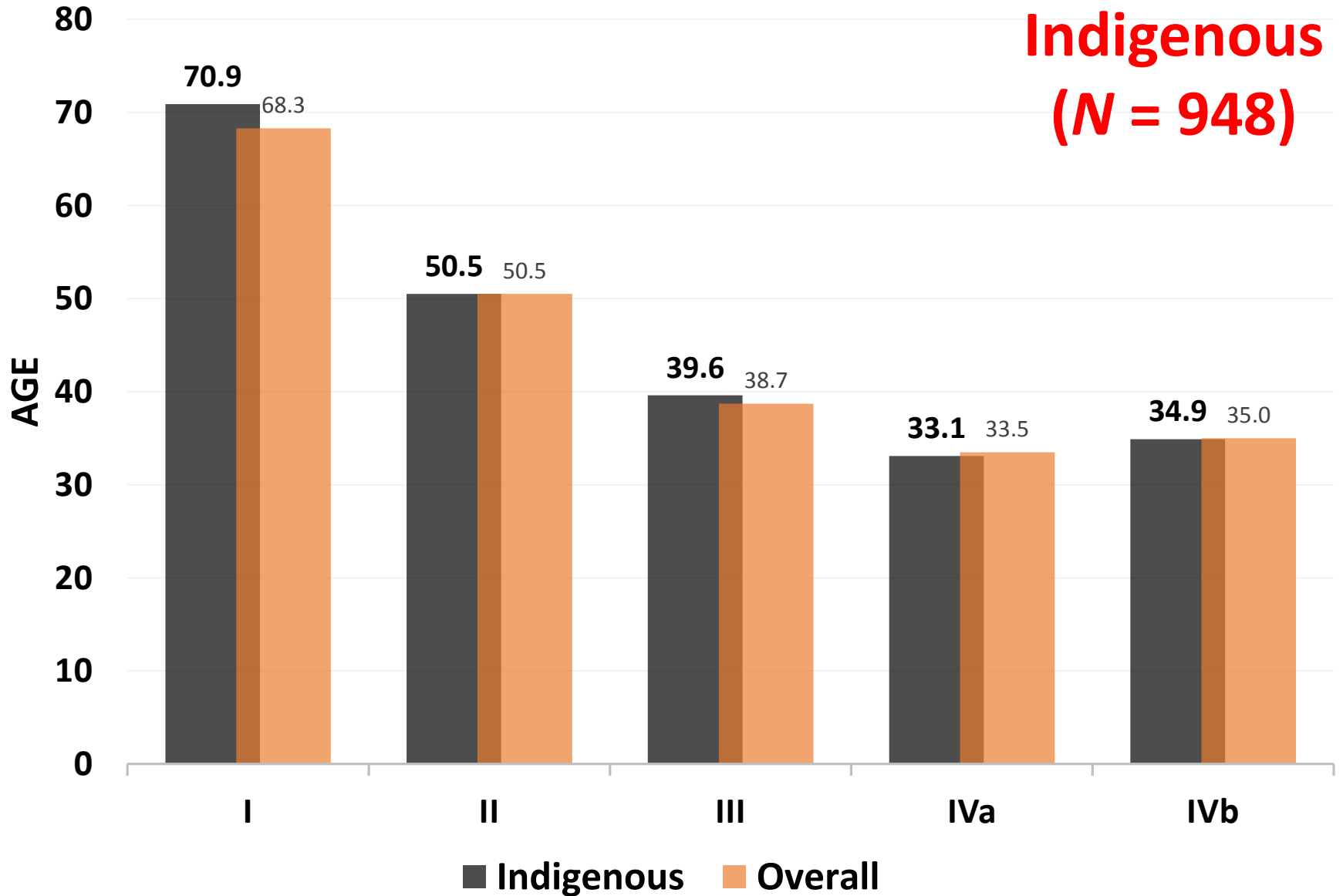
Recidivism Rates (%)



	I	II	III	IVa	IVb
— Norms (Low)	0.9	1.9	3.9	11.0	20.5
— Sample	5.8	0.9	4.1	8.5	20.9
— Norms (High)	1.3	2.8	7.9	15.2	53.0

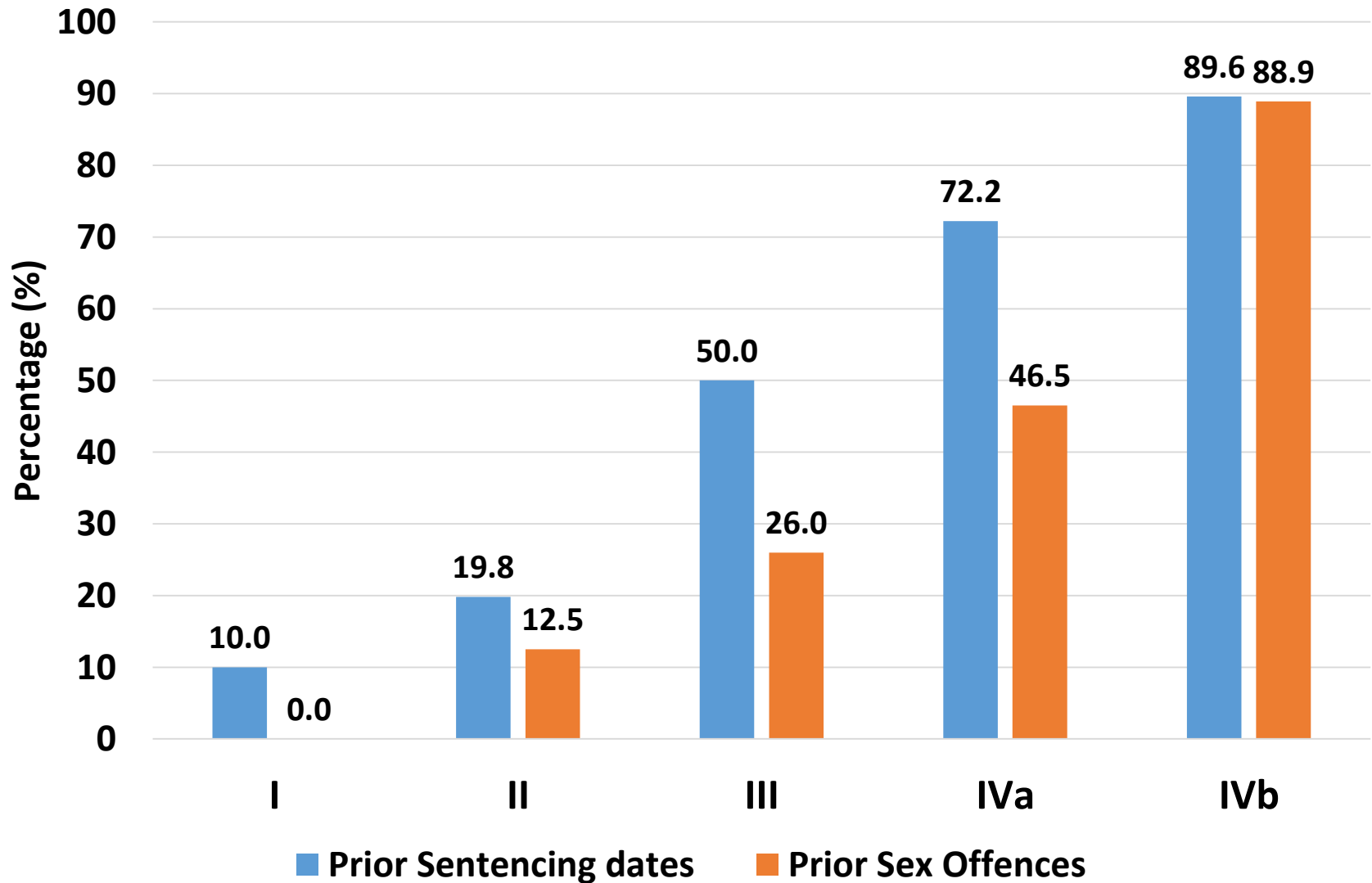
Risk Level

Results



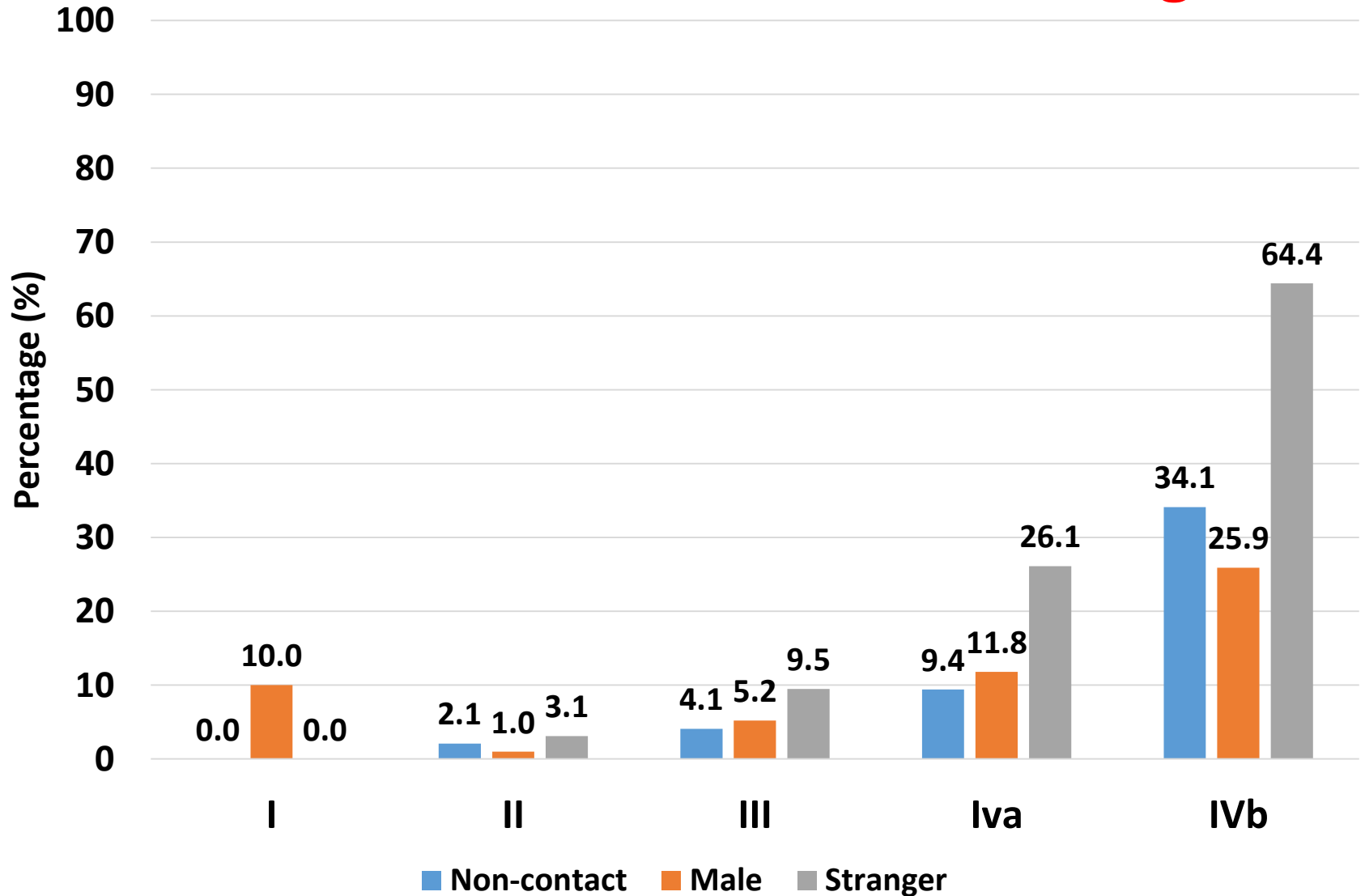
Results

Indigenous



Results

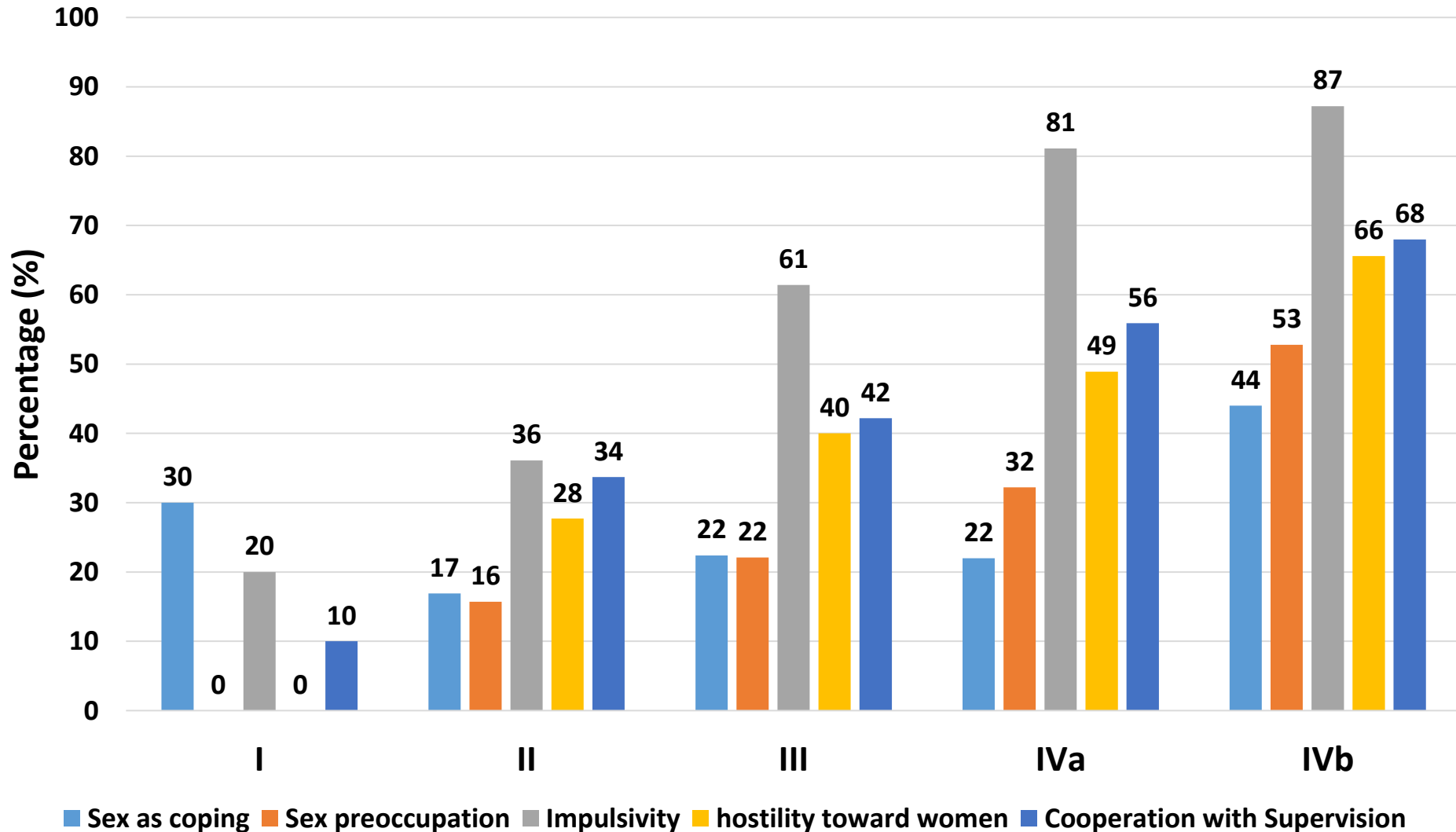
Indigenous



Results

Offender Characteristics

Indigenous



Discussion

Recidivism Risk ?



Level I

Level II

Level III

Level IV

Level V

High
Moderate
Low

A large black question mark is positioned to the right of the risk levels, partially overlapping the 'High', 'Moderate', and 'Low' text.

Discussion



About 2% sexual recidivism within 5 years

Few prior general or sexual offence history

Low sexual deviancy
(Female & contact offence)

Acquaintance victim

Good cooperation with supervision

Level II

Discussion

Norm data (100+ recidivists)

- General recidivism (Hanson et al., 2017)
 - Sexual recidivism (Hanson et al., 2016)
-
- ✓ Concordance of risk classification?
 - ✓ Risk-relevant characteristics?

Discussion

For sex offenders,

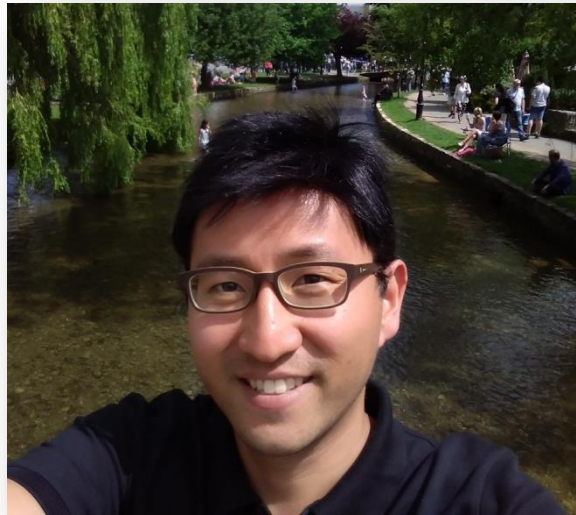
- Test intensity of intervention and supervision
in the different risk levels

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Thank you!

Please contact me if you have questions



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