

Examining the predictive validity of the multi-agency Integrated Safety Response's risk assessments for family violence

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THE UNIVERSITY OF WAIKATO

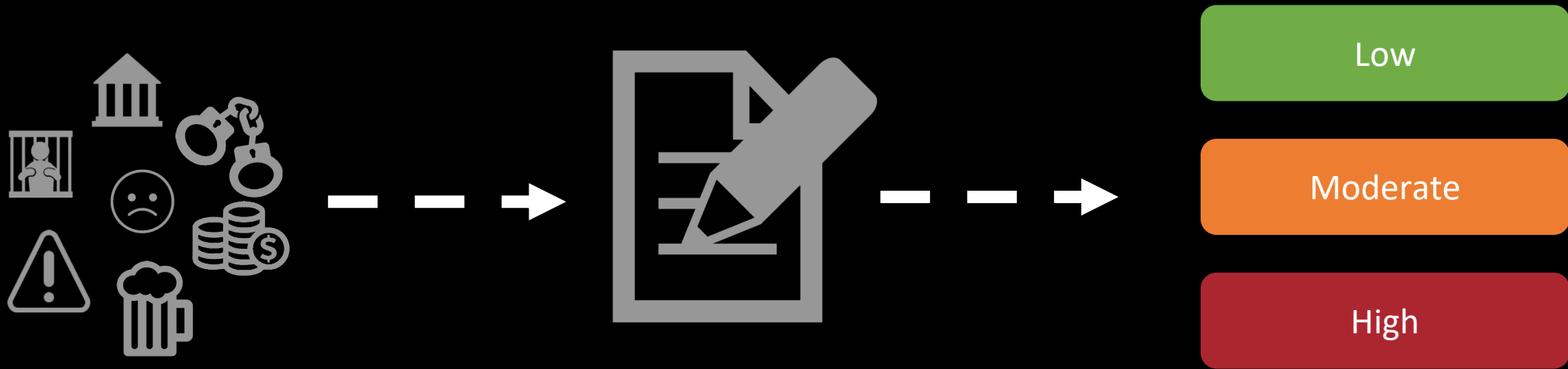


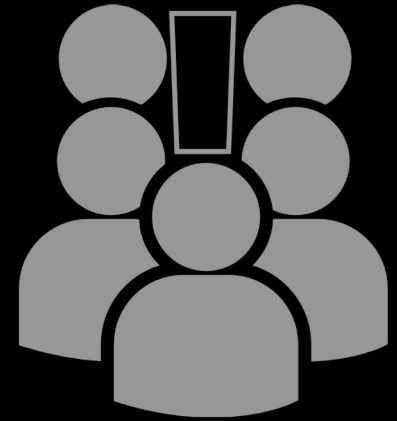


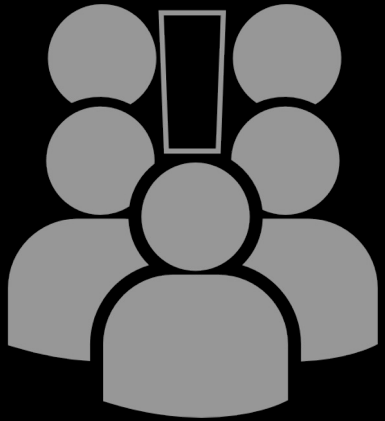


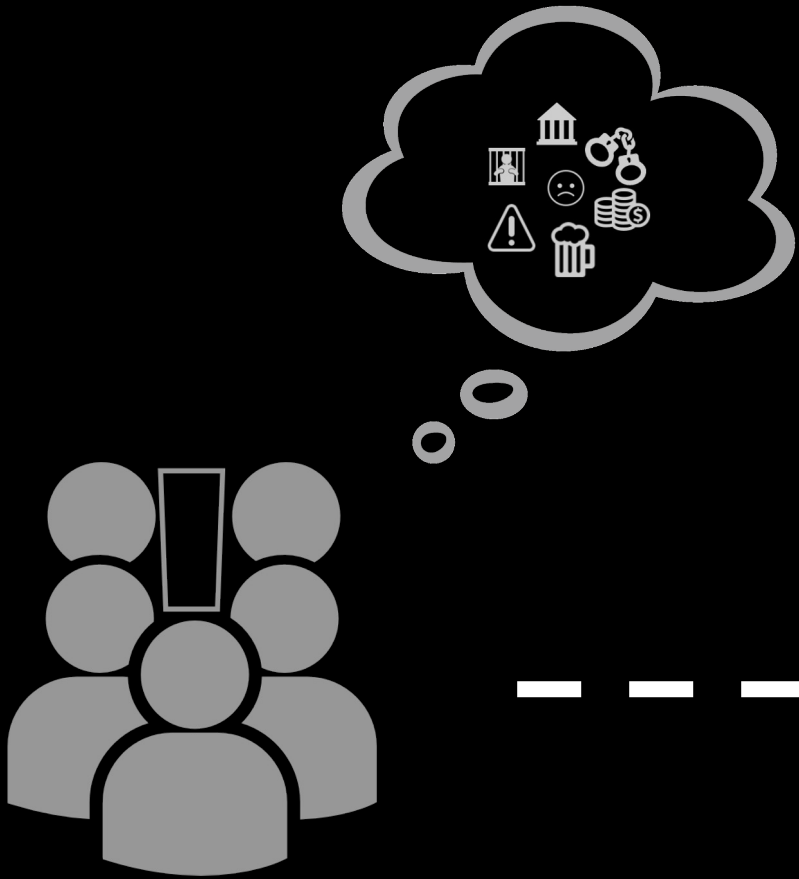


Risk
Need
Responsivity









Low

Moderate

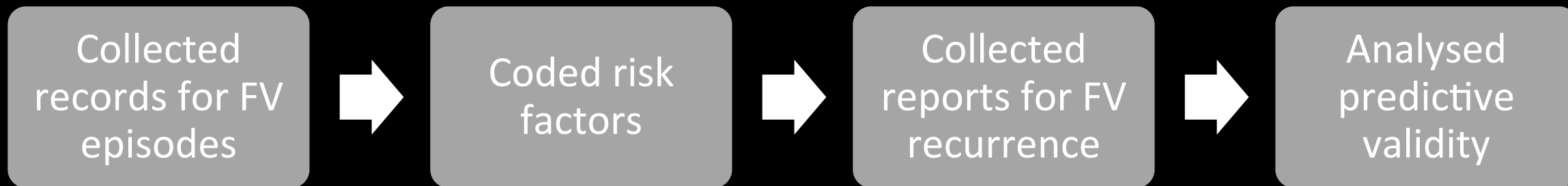
High

Document the risk factors

Examine whether the risk factors are associated with the risk categories

Examine whether the risk factors *are* risk factors

Examine the predictive validity of the risk categories



842 episodes reported
between 1-14 November
2018 in Waikato and
Christchurch

6 months
Recurrence
Physical recurrence

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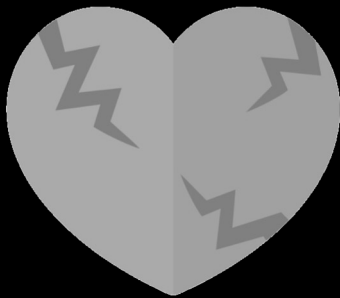
Examine the predictive validity of the risk categories



AV



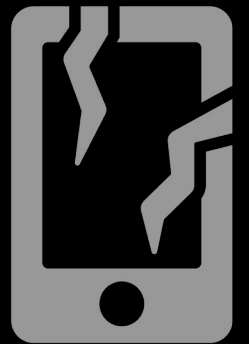
A



A



A

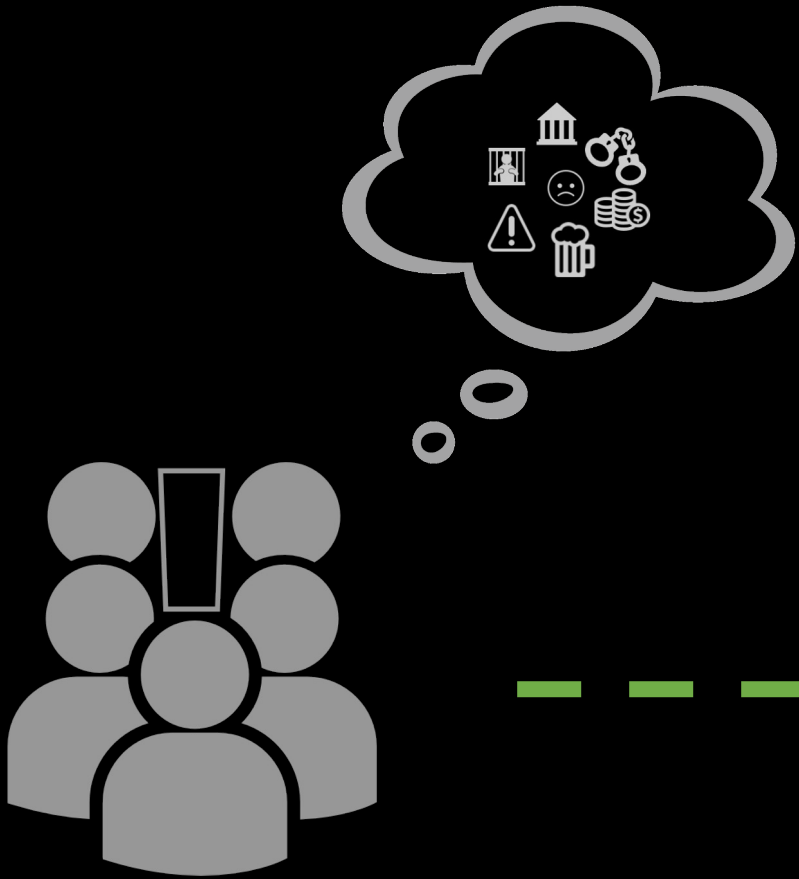


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Low

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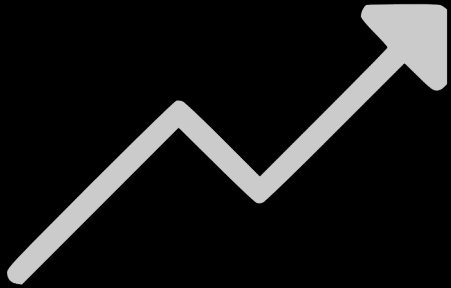
Examine the predictive validity of the risk categories



Recurrence



A



V



V

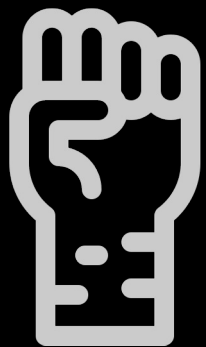
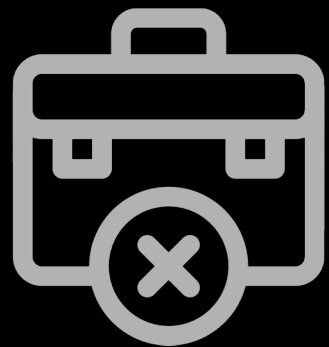
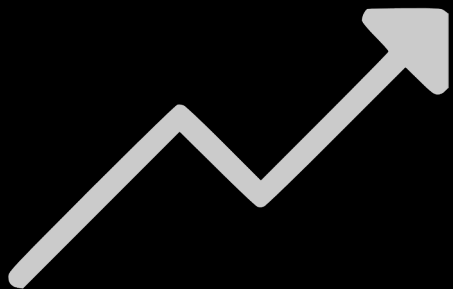
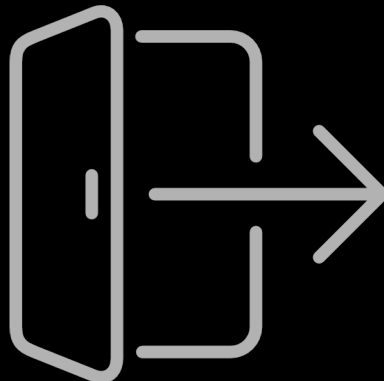
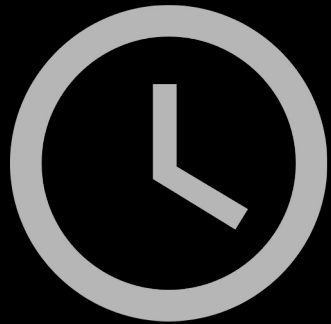


V



A

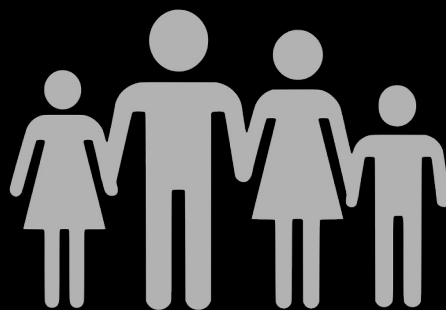
Physical
recurrence



v



A

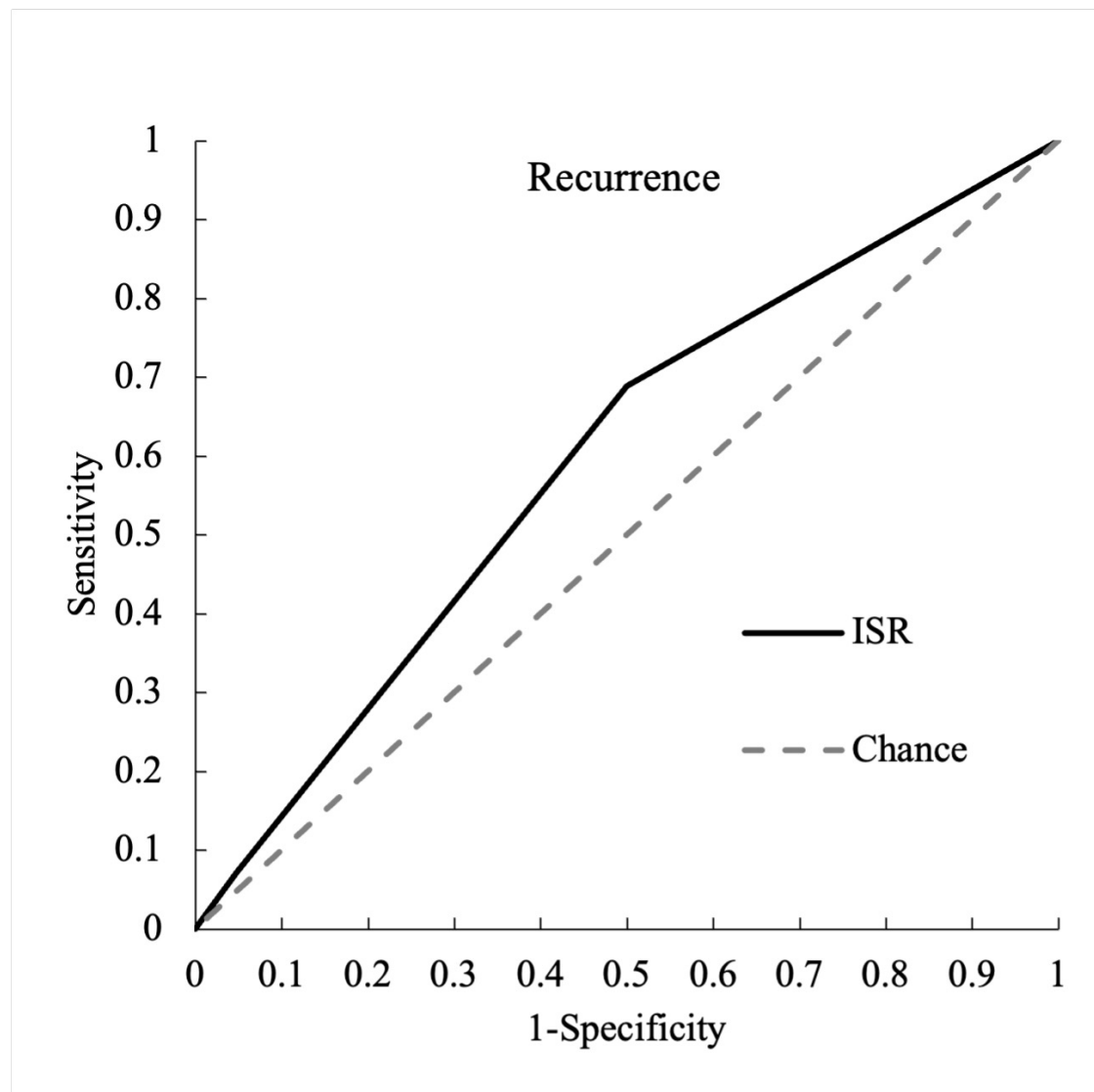


Document the risk factors

Examine whether the risk factors are associated with the risk categories

Examine whether the risk factors *are* risk factors

Examine the predictive validity of the risk categories



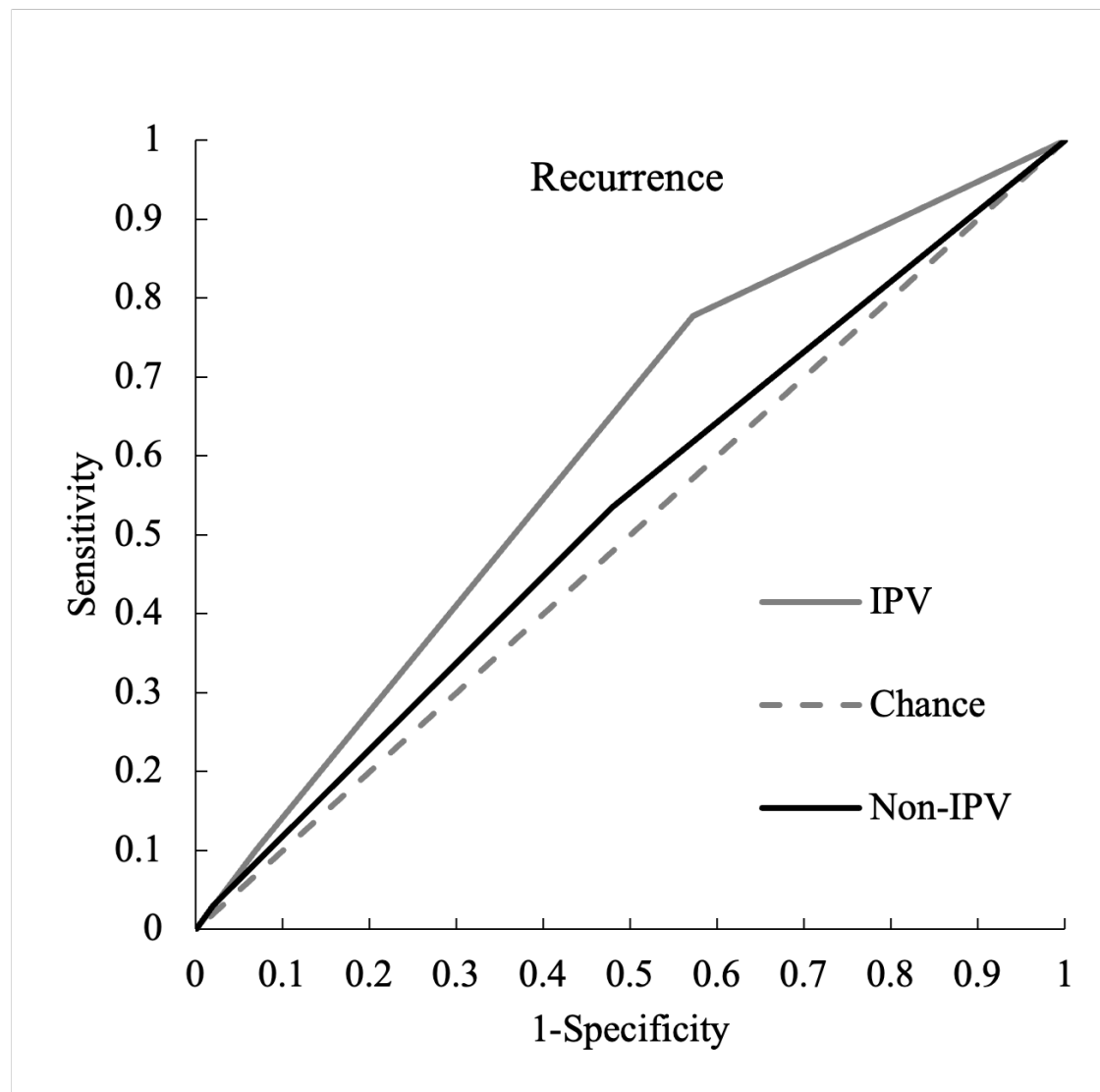
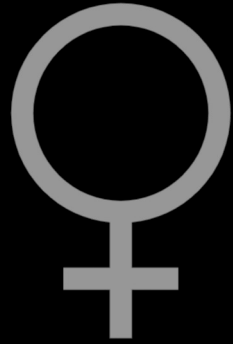
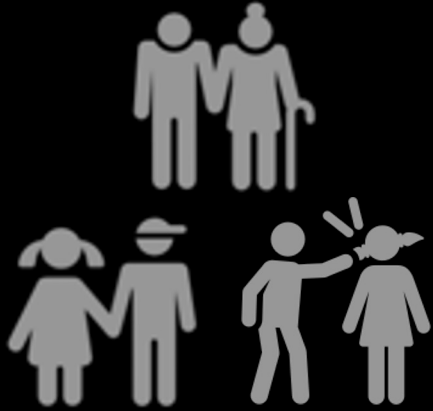
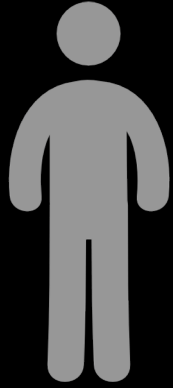


Table 4. AUCs for the ISR Risk Categories Predicting Recurrence and Physical Recurrence, by Aggressor–Victim Relationship, Aggressor Characteristics, and ISR Area.

	<i>n</i>	Recurrence			Physical Recurrence		
		<i>f</i> (%)	AUC [95% CI]	<i>p</i>	<i>f</i> (%)	AUC [95% CI]	<i>p</i>
Overall	842	389 (46.2)	.60 [.56, .63]	<.001	174 (20.1)	.60 [.56, .65]	<.001
Relationship to victim							
IPV	595	292 (49.1)	.61 [.56, .65]	<.001	139 (23.4)	.60 [.55, .65]	<.001
Current partner	418	204 (48.8)	.60 [.54, .65]	<.001	105 (25.1)	.61 [.54, .67]	.001
Former partner	177	88 (49.7)	.63 [.55, .71]	.002	34 (19.2)	.58 [.48, .69]	.125
Non-IPV	247	97 (39.3)	.54 [.47, .61]	.285	35 (14.2)	.57 [.47, .67]	.184
Parent	42	10 (23.8)	.58 [.38, .79]	.409	3 (7.1)	.73 [.52, .94]	.030
Child	108	51 (47.2)	.54 [.43, .65]	.493	19 (17.6)	.62 [.49, .75]	.078
Sibling	51	23 (45.1)	.61 [.45, .77]	.178	8 (15.7)	.51 [.29, .73]	.959
Other	46	13 (28.2)	.41 [.23, .59]	.338	5 (10.9)	.37 [.13, .61]	.285
Aggressor characteristic							
Male	637	313 (49.1)	.60 [.55, .64]	<.001	144 (22.6)	.61 [.56, .66]	<.001
Female	203	75 (36.9)	.57 [.48, .65]	.117	29 (14.3)	.54 [.43, .65]	.486
Below 18 years	67	29 (43.3)	.64 [.51, .78]	.034	14 (20.9)	.57 [.41, .73]	.370
Above 18 years	775	360 (46.5)	.59 [.55, .63]	<.001	160 (20.6)	.60 [.56, .65]	<.001
Māori	373	199 (53.4)	.55 [.49, .61]	.107	93 (24.9)	.55 [.48, .62]	.155
European	360	159 (44.2)	.59 [.53, .65]	.004	64 (17.8)	.61 [.54, .69]	.003
ISR area							
Waikato	480	232 (48.3)	.58 [.53, .63]	.001	104 (21.7)	.59 [.53, .65]	.004
Canterbury	362	157 (43.4)	.62 [.56, .68]	<.001	70 (19.3)	.62 [.55, .69]	.001

Note. AUC = area under the curve; CI = confidence interval; *f* = frequency; ISR = Integrated Safety Response; IPV = intimate partner violence. See Supplemental Materials for factor definitions.





Risk
Need
Responsivity



Thank you

Co-authors Devon Polaschek and Chaitanya Joshi

University of Waikato Doctoral Scholarship and William Georgetti Scholarship

New Zealand Police, Integrated Safety Response, Tuu Oho Mai Services



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