

Supplemental Table 1

ERASOR items (dichotomized): Frequencies and prediction of sexual recidivism by univariate Firth's bias-reduced logistic regression for JSO-C and JSO-A

ERASOR items	Frequencies				Prediction of sexual re-offenses within three years	
	Combined sample <i>n</i> (%)	JSO-C <i>n</i> (%)	JSO-A <i>n</i> (%)	χ^2 -Test statistics	JSO-C OR [95% CI]	JSO-A OR [95% CI]
Item 1 (deviant sexual interests)	63 (13.1)	49 (26.5)	14 (4.7)	47.56***	2.75 [1.00, 7.45]*	8.59 [2.30, 28.47]**
Item 2 (obsessive sexual interests/preoccupation with sexual thoughts)	91 (18.9)	52 (28.1)	39 (13.1)	16.70***	2.50 [0.92, 6.77]	5.46 [1.93, 14.86]**
Item 3 (attitudes supportive of sexual offending)	131 (27.2)	43 (23.2)	88 (29.6)	2.35	1.98 [0.67, 5.43]	2.23 [0.83, 5.87]
Item 4 (unwillingness to alter deviant sexual interests/attitudes)	64 (13.3)	27 (14.6)	37 (12.5)	0.45	3.88 [1.28, 11.05]*	3.36 [1.07, 9.42]*
Item 5 (ever sexually assaulted 2 or more victims)	124 (25.7)	63 (34.1)	61 (20.5)	10.90**	1.83 [0.67, 4.91]	2.30 [0.79, 6.14]
Item 6 (ever sexually assaulted same victim two or more times)	223 (46.3)	99 (53.5)	124 (41.8)	6.34**	1.24 [0.47, 3.46]	2.04 [0.78, 5.57]
Item 7 (prior adult sanctions for sexual assault)	56 (11.7)	21 (11.4)	35 (11.8)	0.02	2.89 [0.81, 8.89]	3.61 [1.15, 10.16]*
Item 8 (threats of, or use of, violence/weapons during sexual offense)	85 (17.6)	20 (10.8)	65 (21.9)	9.63**	1.31 [0.25, 4.73]	1.19 [0.35, 3.36]
Item 9 (ever sexually assaulted a child)	149 (30.9)	143 (77.3)	6 (2.0)	302.46***	1.26 [0.41, 5.06]	4.55 [0.45, 24.76]
Item 10 (ever sexually assaulted a stranger)	61 (12.7)	19 (10.3)	42 (14.1)	1.55	0.74 [0.08, 3.25]	2.10 [0.61, 6.05]
Item 11 (indiscriminate choice of victims)	33 (6.8)	23 (12.4)	10 (3.4)	14.69***	2.56 [0.72, 7.78]	2.60 [0.27, 12.40]
Item 12 (male offenders only: ever sexually assaulted a male victim)	116 (24.1)	77 (41.6)	39 (13.1)	50.63***	1.00 [0.36, 2.65]	2.31 [0.67, 6.67]
Item 13 (diverse sexual assault behaviors)	166 (34.4)	97 (52.4)	69 (23.2)	43.05***	1.02 [0.38, 2.74]	3.19 [1.19, 8.47]*
Item 14 (antisocial interpersonal orientation)	222 (46.1)	62 (33.5)	160 (53.9)	18.61***	1.13 [0.39, 3.03]	2.72 [0.97, 9.13]
Item 15 (lack of intimate peer relationships/social isolation)	172 (35.7)	99 (53.5)	73 (24.6)	41.58***	4.05 [1.34, 16.03]*	3.75 [1.42, 10.09]**
Item 16 (Negative peer associations and influences)	315 (65.4)	69 (37.3)	246 (82.8)	104.37***	0.94 [0.32, 2.52]	0.86 [0.29, 3.43]

Item 17 (interpersonal aggression)	193 (40)	68 (36.8)	125 (42.1)	1.35	0.96 [0.33, 2.59]	2.57 [0.98, 7.35]
Item 18 (recent escalation in anger or negative affect)	170 (35.3)	63 (34.1)	107 (36.0)	0.19	1.83 [0.67, 4.91]	1.63 [0.61, 4.28]
Item 19 (poor self-regulation of affect and behavior (impulsivity))	238 (49.4)	106 (57.3)	132 (44.4)	7.53**	1.79 [0.66, 5.54]	3.03 [1.13, 9.23]*
Item 20 (high-stress family environment)	255 (52.9)	120 (64.9)	135 (45.5)	17.24***	1.27 [0.46, 3.93]	5.44 [1.83, 21.31]**
Item 21 (problematic parent offender relationships/parental rejection)	200 (41.5)	97 (52.4)	103 (34.7)	14.58***	1.30 [0.49, 3.63]	4.71[1.75, 14.39]**
Item 22 (parents not supporting sexual-offense-specific assessment/treatment)	162 (33.6)	74 (40.0)	88 (29.6)	5.49*	0.83 [0.29, 2.23]	2.23 [0.83, 5.87]
Item 23 (environment supporting opportunities to reoffend sexually)	301 (62.4)	101 (54.6)	200 (67.3)	7.90**	1.54 [0.57, 4.45]	5.75 [1.41, 52.73]*
Item 24 (no development of realistic prevention plans/strategies)	352 (73.0)	139 (75.1)	213 (71.7)	0.68	4.05 [0.97, 37.49]	4.65 [1.14, 42.66]*
Item 25 (incomplete sexual-offence-specific treatment)	471 (97.7)	181 (97.8)	290 (97.6)	0.02	n.c.	n.c.

Note: ERASOR = Estimate of Risk of Adolescent Sexual Offense Recidivism, OR = Odds Ratio, CI = Confidence Interval, JSO-C = juveniles who sexually offended against children $n = 185$, JSO-A = juveniles who sexually offended against peers or adults $n = 297$, n.c. = not calculable.

* $p \leq .05$, ** $p \leq .01$, *** $p \leq .001$.

Supplemental Table 2

J-SOAP-II items (dichotomized): Frequencies and prediction of sexual recidivism by univariate Firth's bias-reduced logistic regressions for JSO-C and JSO-A

J-SOAP-II items	Frequencies				Prediction of sexual re-offenses within three years	
	Combined sample n (%)	JSO-C n (%)	JSO-A n (%)	χ^2 -Test statistics	JSO-C OR [95% CI]	JSO-A OR [95% CI]
Item 1 (previous conviction)	11 (2.3%)	4 (2.2%)	7 (2.4%)	0.02 n.s.	1.04 [0.01, 10.45]	8.08 [1.37, 36.82]*
Item 2 (multiple victims)	103 (21.4%)	57 (30.8%)	46 (15.6%)	15.93***	1.68 [0.60, 4.50]	4.37 [1.56, 11.75]**
Item 3 (male child victim)	84 (17.4%)	68 (36.8%)	16 (5.4%)	77.95***	0.73 [0.24, 2.01]	1.56 [0.16, 6.94]
Item 4 (duration)	187 (38.8%)	93 (50.3%)	94 (31.6%)	16.65***	1.86 [0.69, 5.38]	3.26 [1.24, 8.94]*
Item 5 (planning)	230 (47.7%)	98 (53.0%)	132 (44.4%)	3.32 n.s.	1.65 [0.62, 4.78]	2.32 [0.88, 6.64]
Item 6 (sexualized aggression)	215 (44.6%)	44 (23.8%)	171 (57.6%)	52.68***	1.06 [0.31, 3.06]	0.82 [0.31, 2.17]
Item 7 (sexual drive)	151 (31.3%)	80 (43.2%)	71 (23.9%)	19.81***	2.53 [0.95, 7.36]	3.07 [1.14, 8.12]*
Item 8 (sexual victimization)	38 (7.9%)	25 (13.4%)	13 (4.4%)	13.10***	2.29 [0.65, 6.90]	3.78 [0.69, 14.41]
Item 9 (lack of caregiver constancy)	193 (40.0%)	95 (51.4%)	98 (33.0%)	16.00***	1.07 [0.40, 2.88]	2.39 [0.91, 6.38]
Item 10 (pervasive anger)	167 (34.5%)	74 (40.0%)	93 (31.3%)	3.80 n.s.	1.38 [0.51, 3.69]	3.31 [1.26, 9.10]*
Item 11 (school behavior problems)	248 (51.5%)	101 (54.6%)	147 (49.5%)	1.19 n.s.	2.02 [0.74, 6.24]	4.58 [1.54, 17.93]**
Item 12 (history of conduct disorder)	164 (34.0%)	75 (40.5%)	89 (30.0%)	5.68*	3.78 [1.38, 11.71]**	5.97 [2.21, 18.29]***
Item 13 (juvenile antisocial behavior)	183 (38.0%)	57 (30.8%)	126 (42.4%)	6.53*	1.68 [0.60, 4.50]	3.31 [1.23, 10.08]*
Item 14 (arrested before age 16)	306 (63.5%)	113 (61.1%)	193 (65.0%)	0.75 n.s.	1.51 [0.55, 4.68]	n.c.
Item 15 (multiple types of offenses)	164 (34.0%)	43 (23.2%)	121 (40.7%)	15.55***	0.77 [0.19, 2.36]	3.56 [1.33, 10.86]*
Item 16 (physical victimization)	104 (21.6%)	47 (25.4%)	57 (19.2%)	2.60 n.s.	0.44 [0.08, 1.49]	5.36 [2.01, 14.54]**
Item 17 (not accepting responsibility)	309 (64.1%)	110 (59.5%)	199 (67.0%)	2.82 n.s.	2.20 [0.77, 7.50]	2.40 [0.67, 8.54]
Item 18 (no motivation for change)	274 (56.8%)	94 (50.8%)	180 (60.6%)	4.46*	4.56 [1.51, 18.05]**	4.33 [1.31, 22.14]*
Item 19 (no understanding of risk factors)	394 (81.7%)	157 (84.9%)	237 (79.8%)	1.96 n.s.	n.c.	n.c.
Item 20 (lack of empathy)	330 (68.5%)	122 (65.9%)	208 (70.0%)	0.88 n.s.	3.55 [1.05, 18.34]*	2.80 [0.84, 14.37]
Item 21 (lack of remorse)	302 (62.7%)	112 (60.5%)	190 (64.0%)	0.57 n.s.	4.55 [1.35, 23.48]*	3.73 [1.12, 19.08]*
Item 22 (cognitive distortions)	303 (62.9%)	122 (65.9%)	181 (60.9%)	1.22 n.s.	3.55 [1.05, 18.34]*	1.50 [0.56, 4.56]
Item 23 (problematic peer relations)	319 (66.2%)	124 (67.0%)	195 (65.7%)	0.10 n.s.	2.19 [0.72, 8.71]	2.27 [0.76, 8.91]

Item 24 (problematic sexual management)	170 (35.3%)	99 (53.5%)	71 (23.9%)	43.77***	2.12 [0.77, 6.55]	3.07 [1.14, 8.12]*
Item 25 (problematic anger management)	145 (30.1%)	65 (35.1%)	80 (26.7%)	3.64 n.s.	1.74 [0.64, 4.65]	2.57 [0.96, 6.79]
Item 26 (lack of stability in life)	187 (38.8%)	86 (46.5%)	101 (34.0%)	7.48**	2.19 [0.82, 6.36]	3.72 [1.41, 10.67]**
Item 27 (lack of stability in school)	179 (37.1%)	71 (38.4%)	108 (36.4%)	0.20 n.s.	2.45 [0.92, 6.83]	2.59 [0.99, 7.11]
Item 28 (lack of a positive support system)	203 42.1%)	83 (44.9%)	120 (40.4%)	0.93 n.s.	2.35 [0.88, 6.84]	4.84 [1.73, 16.29]**

Note: J-SOAP-II = Juvenile Sex Offender Assessment Protocol-II, OR = Odds Ratio, CI = Confidence Interval, JSO-C = juveniles who sexually offended against children $n = 185$, JSO-A = juveniles who sexually offended against peers or adults $n = 297$, n.c. = not calculable.

* $p \leq .05$, ** $p \leq .01$, *** $p \leq .001$.