Online Supplementary Materials

A Meta-analysis of Recidivism Rates Among Individuals Who Commit Child Sexual

Exploitation Material (CSEM) Offending

Serra Baskurt, Kelly M. Babchishin, Gabriella Hilkes, Michael C. Seto

The full thesis is available through ProQuest. Supplemental materials including data and syntax

files are available on OSF.

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Table s1

Description Information for Studies Reporting Official Recidivism Rates (*k* = 26)

Variables		%	*k*
Country	Canada	26.9	7
	US	19.2	5
	UK	11.5	3
	Australia	11.5	3
	Switzerland	7.7	2
	New Zealand	7.7	2
	Germany	3.8	1
	Netherlands	3.8	1
	Finland	3.8	1
	Spain	3.8	1
Published	Yes	73.1	19
	No	26.9	7
Peer-reviewed	Yes	84.6	22
	No	15.4	4
Additional information provided by the author(s)	Yes	46.2	12
	No	53.8	14
Group comparisons	Only Any CSEM	23.1	6
	All three[a]	57.7	15
	Any CSEM and CSEM-E	15.4	4
	Any CSEM and Mixed	3.8	1
Any CSEM grouping criteria	Any history of CSEM offenses (index or prior)	42.3	11
	Index is a CSEM offense	50.0	13
	Criminal history comprised exclusively of CSEM offenses (index and prior)	7.7	2
CSEM-E grouping criteria[b]	Any history of CSEM offenses (index or prior)	10.5	2
	Index is a CSEM offense	15.8	3
	Criminal history comprised exclusively of CSEM offenses (index and prior)	73.7	14
Mixed grouping criteria	Any history of CSEM and sexual offending against children	46.7	7
	Any history of CSEM and sexual offending (unsure if it is against adults or children)	13.3	2
	Index cluster is a CSEM and contact sexual offending	20.0	3
	Other	20.0	3
Number of recidivism sources	1	73.1	19
	2	19.2	5
	3	7.70	2

Variables		%	k
Type of recidivism sources	Official national source of recidivism (i.e., whole country)	65.4	17
	Official local (provincial/ state) source of recidivism	46.2	12
	Recidivism information from Newspapers reports	0.0	0
	Recidivism information from self-reports	0.0	0
	Recidivism information from police investigation or case files	23.1	6
Type of recidivism criteria[b]	Breaches or risky behaviors reported by parole	6.9	2
	Arrests	24.1	7
	Charges	13.8	4
	Convictions	55.2	16
Pseudo-recidivism was assessed	Yes	38.5	10
	No	0.0	0
	Unknown	61.5	16
Type of follow-up period	Fixed	38.5	10
	Variable	34.6	9
	Both	26.9	7

Note. See Table s2 for self-report samples ($k = 4$). All values reported as unadjusted raw data, without any weighting applied for descriptive purposes. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses, k = number of samples; NR = not reported.

[a] In samples where only CSEM-E and Mixed were reported, Any CSEM is computed by combining both groups.

[b] Some samples reported more than one grouping/ recidivism criteria.

Table s2

Self-report Study Description Information (k = 4)

Variables		%	*k*
Published	Yes	100.0	4
	No	0.0	0
Peer-reviewed	Yes	100.0	4
	No	0.0	0
Additional information provided by the author(s)	Yes	1.0	25.0
	No	3.0	75.0
Group comparisons	Only Any CSEM	50.0	2
	All three[a]	50.0	2
	Any CSEM and CSEM-E	0.0	0
	Any CSEM and Mixed	0.0	0
Any CSEM grouping criteria	Self-reported CSEM-offending individuals	3.0	75.0
	Any history of CSEM offenses (index or prior)	1.0	25.0
	Index is a CSEM offense	0.0	0.0
	Criminal history comprised exclusively of CSEM offenses (index and prior)	0.0	0.0
CSEM-E grouping criteria	Self-reported CSEM-Exclusive individuals	3.0	100.0
	Any history of CSEM offenses (index or prior)	0.0	0
	Index is a CSEM offense	0.0	0
	Criminal history comprised exclusively of CSEM offenses (index and prior)	0.0	0
Mixed grouping criteria	Self-report CSEM and contact offending	100.0	3
	Any history of CSEM and sexual offending against children	0.0	0
	Any history of CSEM and sexual offending (unsure if it is against adults or children)	0.0	0
	Index cluster is a CSEM and contact sexual offending	0.0	0
	Other	0.0	0
Number of recidivism sources	1	75.0	3
	2	25.0	1
Type of recidivism sources	Recidivism information from self-reports	100.0	4
	Official national source of recidivism (i.e., whole country)	25.0	1
	Official local (provincial/ state) source of recidivism	0.0	0
	Recidivism information from Newspapers reports	0.0	0
	Recidivism information from police investigation or case files	0.0	0

Type of recidivism criteria[b]	Self-report	100.0	4
	Arrests	25.0	1
	Breaches or risky behaviors reported by parole	0.0	0
	Charges	0.0	0
	Convictions	0.0	0
Type of follow-up period	Fixed	25.0	1
	Variable	50.0	2
	Both	25.0	1

Note. All values reported as unadjusted raw data, without any weighting applied for descriptive purposes. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses, k = number of samples.

[a] In samples where only CSEM-E and Mixed were reported, Any CSEM is computed by combining both groups.

[b] Some samples reported more than one recidivism criteria.

Table s3

List of CSEM Recidivism Studies with Recidivism Outcomes

Study	Sample	N	Sexual Recidivism					Other Recidivism							
			Any	Contact	CSEM	Any non-contact	Non-contact	Any Violent (including contact sexual)	Nonsexual Violent	Breach/recall	Failure to register	Any recid	Any crime (major offenses[a])	Non-sexual recid	Non-sexual non-violent
1 Babchishin et al. (2023)	Any	297	Y	Y	Y	Y	N	Y	N	N	N	Y	N	N	N
	CSEM	222	Y	Y	Y	Y	N	Y	N	N	N	Y	N	N	N
	CSEM-E Mixed	75	Y	Y	Y	Y	N	Y	N	N	N	Y	N	N	N
2 Beier et al. (2015)	Any CSEM	49	N	Y	Y			Y				Y			
3 Black (2018)	Any CSEM	547	N	Y	Y	Y	N	N	Y	N	N	Y	Y	N	N
4.1 Cohen & Spidell (2016)	Any	2,287	N	N	N	N	N	N	N	N	N	Y	Y	N	N
	CSEM	1,722	Y	N	N	N	N	N	Y	Y	N	Y	Y	N	N
	CSEM-E Mixed	565	N	N	N	N	N	N	Y	Y	N	Y	Y	N	N
4.2 Cohen (2023)	Any	5,768	Y	Y	N	Y	N	Y	Y	Y	N	N	N	N	N
	CSEM Mixed	5,768	Y	N	N	N	N	N	N	N	N	N	N	N	N
4.3 Cohen (2018)	Any CSEM	3,487	Y	N	N	N	N	N	Y	Y	N	Y	N	N	N
4 Dowling et al. (2021)	Any	230	Y	Y	N	N	N	N	N	N	N	Y	N	Y	N
	CSEM	195	Y	N	N	N	N	N	N	N	N	N	N	Y	N
	CSEM-E Mixed	35	Y	N	N	N	N	N	N	N	N	N	N	Y	N
6.1 Eke et al. (2019) Development	Any	180	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
	CSEM	132	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
	CSEM-E Mixed	48	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
6.2 Seto & Eke (2005)															
6.3 Seto & Eke (2008)															

Study	Type	N													
7.1 Eke et al. (2024) Validation	Any CSEM	52	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
	CSEM	33	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
	CSEM-E Mixed	19	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
7.2 Babchishin et al. (2022)															
7.3 Eke et al. (2019)															
7.4 Eke & Seto (2023)															
7.5 Helmus et al.(2024a)															
7.6 Seto & Eke (2015)															
8.1 Endrass et al. (2009)	Any CSEM	231	N	Y	Y	Y	N	N	Y	N	N	Y	Y	N	N
8.2 Endrass (2010)															
8 Emeagi et al. (2024)	Any CSEM	3,827	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N
	CSEM-E	3,827	Y	Y	Y	Y	N	Y	Y	N	N	Y	Y	N	N
10.1 Faust et al. (2015)	Any CSEM	428	N	N	Y	N	N	N	Y	Y	N	N	N	N	Y
	CSEM-E	428	N	N	Y	N	N	N	Y	Y	N	N	N	N	Y
10.2 Faust et al. (2009)	Any CSEM	870	Y	N	N	N	N	N	N	N	N	Y	Y	N	N
11 Franque et al. (2023)															
12 Ghossoub & Khoury (2020)	Any	33	Y	N	N	N	N	N	N	N	N	N	N	N	N
	CSEM	28	Y	N	N	N	N	N	N	N	N	N	N	N	N
	CSEM-E Mixed	5	Y	N	N	N	N	N	N	N	N	N	N	N	N
13.1 Goller et al. (2016)	Any	3,422	N	Y	Y	Y	N	N	Y	N	N	Y	N	N	Y
	CSEM	3,125	N	Y	Y	Y	N	N	Y	N	N	Y	N	N	Y
	CSEM-E Mixed	297	N	Y	Y	Y	N	N	Y	N	N	Y	N	N	Y
13.2 Goller et al. (2010)															
14 Henshaw (2017)	Any	483	Y	Y	Y	Y	N	N	Y	Y	N	Y	N	N	Y
	CSEM Mixed	161	Y	Y	Y	Y	N	N	Y	Y	N	Y	N	N	Y
15.1 Howard et al. (2014)	Any	1,301	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	N	Y
	CSEM	1,230	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	N	Y
	CSEM-E Mixed	71	Y	Y	Y	Y	Y	N	Y	N	N	Y	Y	N	Y
15.2 Wakeling et al. (2011)	Any	994	Y	N	Y	Y	N	Y	Y	N	N	Y	Y	N	N
	CSEM	690	Y	N	Y	Y	N	N	Y	N	N	N	Y	N	N
	CSEM-E	304	Y	N	Y	Y	N	N	Y	N	N	N	Y	N	N

		Mixed														
15.3	Webb et al. (2007)	Any CSEM	73	Y	N	N	N	N	N	Y	Y	N	N	N	N	N
15.4	Howard et al. (2015)	Any CSEM	1,248	Y	N	N	N	N	N	N	N	N	N	N	N	N
15.5	Barnett et al. (2010)	Any CSEM	513	Y	N	N	N	N	Y	Y	N	N	N	N	N	N
15.6	Elliott et al. (2019)															
15.7	Howard (2009)															
15.8	Osborn et al. (2010)	Any	73	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
		CSEM	73	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N
		CSEM-E														
16	Howell (2018)	Any	59	N	Y	N	N	N	N	N	N	N	Y	N	N	N
		CSEM	29	N	Y	N	N	N	N	N	N	N	Y	N	N	N
		CSEM-E	30	N	Y	N	N	N	N	N	N	N	Y	N	N	N
		Mixed														
17	Jung et al. (2013)	Any	45	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	N
		CSEM	45	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	N	N	N
		CSEM-E														
18	Krone & Smith (2017)	Any CSEM	148	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N
19	Laajasalo et al. (2020)	CSEM-E	61	Y	N	N	N	N	N	N	N	N	Y	N	Y	N
20	Latimer (2003)	Any CSEM	816	Y	N	Y	Y	N	N	Y	N	N	Y	N	N	N
21	Paquette et al. (unpublished)	Any	136	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
		CSEM	104	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
		CSEM-E	32	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
		Mixed														
22	Pilon (2016)	Any	279	Y	N	Y	Y	N	Y	N	N	N	Y	N	N	N
		CSEM	279	Y	N	Y	Y	N	Y	N	N	N	Y	N	N	N
		CSEM-E														
23	Savoie et al. (2022)	Any	140	Y	N	Y	Y	N	N	N	Y	N	Y	N	N	N
		CSEM	122	Y	N	Y	Y	N	N	N	N	N	Y	N	N	N
		CSEM-E	19	Y	Y	Y	Y	N	N	N	N	N	Y	N	N	N
		Mixed														
24	Schuhmann et al. (2016)	Any CSEM	2,792	Y	Y	Y	Y	N	N	Y	N	N	Y	N	Y	Y
25.1	Soldino et al. (2019)	Any	347	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	Y
		CSEM	329	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	Y
		CSEM-E	18	Y	Y	Y	Y	N	Y	N	Y	N	Y	N	Y	Y
		Mixed														

#	Study	Group	N													
25.2	Soldino et al. (2021)	CSEM-E	255	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N
26	Steel et al. (2021)	Any CSEM	77	N	Y	Y	N	N	N	N	N	N	N	N	N	N
27.1	U.S. Sentencing Commission (2012)	Any CSEM	610	Y	Y	Y	Y	N	N	N	Y	Y	Y	N	Y	N
27.2	U.S. Sentencing Commission (2021)	Any CSEM	1,093	Y	Y	N	Y	N	N	N	Y	Y	Y	N	Y	N
28	Wijk & Esseveldt (2021)	Any CSEM	194	Y	Y	N	Y	N	Y	N	N	N	Y	N	N	N
29	Wild et al. (2020)	Any	6	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
		CSEM	4	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
		CSEM-E Mixed	2	N	Y	Y	Y	N	N	N	N	N	N	N	N	N
30	Wollert et al. (2009)	Any CSEM	72	N	Y	Y	Y	N	N	N	N	N	Y	N	N	N

Note. CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = individuals with CSEM offenses but without any contact sexual offenses, Mixed = individuals with both CSEM and contact sexual offenses. Recid = recidivism. Any violent recidivism includes sexual offences, whereas violent recidivism does not. Empty cells show we either did not include the effect size from that study (based on the decision tree to avoid violating the assumption of independence) or the study did not report rates for that outcome.

[a]Major offenses including any type of offense excluding breaches/failures/conditions/traffic offenses with the exception of DUI/negligence.

Table s4

Descriptive Information for CSEM Offending Individuals of the Official Recidivism Samples (k = 26), a Subset of Which Included CSEM-Exclusive and Mixed Subgroups

Variables		Any CSEM ($k = 26$)		CSEM-Exclusive ($k = 17$)		Mixed ($k = 15$)	
		% or M (SD)	k	% or M (SD)	k	% or M (SD)	k
Age	-	42.8 (8.1)	17	43.9 (10.8)	9	47.5 (9.7)	8
	NR	34.6	9	47.0	8	46.7	7
Gender/ Sex[a]	Exclusively males	84.6	22	84.2	16	81.2	13
	Mainly males (>80%)	3.8	1				
	NR	11.5	3	5.9	1	18.8	3
Race[a]	Black	3.2 (2.3)	5	1.7 (1.4)	5	11.5 (12.0)	2
	White	85.8 (8.1)	11	90.1 (6.3)	6	86.3 (7.7)	5
	Hispanic	3.5 (2.3)	3	2.8 (2.5)	4	5.3	1
	Indigenous	9.3 (11.2)	7	5.6 (7.0)	5	5.4 (4.2)	3
	Other	3.7 (3.3)	8	2.4 (1.0)	5	5.7 (6.6)	3
	NR	57.7	15	64.7	11	66.7	10
Prior offense history[a]	Prior sex offenses	11.1 (7.4)	15	2.1 (2.9)	6	28.7 (31.5)	6
	Prior violent offenses	7.4 (5.5)	11	3.6 (5.3)	6	28.4 (20.8)	7
	Any prior offenses	23.6 (12.1)	16	15.7 (15.5)	8	44.1 (25.8)	8
	NR	38.5	10	52.9	9	46.7	7
Any sex offending treatment	Some (50-75%)	3.8	1	5.3	1		
	Most (75% or more)						
	NR	96.2	25	94.1	16	100.0	15

Note. All values reported as unadjusted raw data, without any weighting applied for descriptive purposes. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact

sexual offenses, k = number of samples; NR = not reported. Self-report samples (k = 4) were excluded from the table. [a]Studies inconsistently reported sex and gender. [b] percentage mean.

Table s5

Descriptive Information of the Self-report Recidivism Samples (k = 4)

Variables		Any CSEM		CSEM-Exclusive		Mixed	
		% or *M* (*SD*)	*k*	% or *M* (*SD*)	*k*	% or *M* (*SD*)	*k*
Age	-	39.6 (4.0)	4	37.6 (4.8)	2	40.1 (1.3)	2
Gender/Sex[a]	Exclusively males	2	50.0	50.0	2	75.0	3
	Mainly males (>80%)	2	50.0	25.0	1	0.0	0
	NR	0.0	0	25.0	1	25.0	1
Race[b]	Black	1.0	1	NR		NR	
	White	69	1	NR		NR	
	Hispanic	9	1	NR		NR	
	Indigenous	2	1	NR		NR	
	Other	1	1	NR		NR	
Prior offense history[b]	Prior sex offenses	47.3 (31.4)	2	16.0	1	19.0	1
	Prior violent offenses	NR		NR		NR	
	Any prior offenses	78.7	1	NR		NR	
Any sex offending treatment	Some (50-75%)	0.0	0	0.0	0	0.0	0
	Most (75% or more)	25.0	1	25.0	1	25.0	1
	NR	75.0	3	75.0	3	75.0	3

Note. All values reported as unadjusted raw data, without any weighting applied for descriptive purposes. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses, *k* = number of samples; NR = not reported.
[b]Studies inconsistently reported sex and gender. [a] percentage mean.

Table s6

Meta-analysis of Recidivism Rates of Subgroups and their Moderation Effect on Other Recidivism Outcomes Based on Official Recidivism Sources

Recidivism Outcome		Fixed-effect	Random-effects	Q	I^2	n (k)	Studies
		% [95 % CI]	% [95 % CI]				
Any violent (including contact sex)	Any CSEM	8.89 [8.10, 9.71]	4.12 [1.03, 9.14]	**143.32**	95.81	4,795 (7)	1a, 1b, 9, 17, 22, 25.1a, 25.1b
	CSEM-E	8.84 [8.04, 9.67]	2.43 [0.23, 6.85]	**142.02**	97.18	4,702 (5)	1a, 9, 17, 22, 25.1a
	Mixed $Q_\Delta = 0.85$, $p = .357$	11.77 [6.05, 19.06]	11.77 [6.05, 19.06]	0.45	0	93 (2)	1b, 25.1b
Any violent (including contact sex; *outlier removed, 9*)	Any CSEM	2.08 [1.27, 3.07]	3.01 [0.52, 7.45]	**21.87**	77.13	968 (6)	1a, 1b, 22, 25.1a, 25.1b
	CSEM-E	1.50 [0.80, 2.41]	1.50 [0.80, 2.41]	4.02	25.32	875 (4)	1a, 17, 22, 25.1a
	Mixed	11.77 [6.05, 19.06]	11.77 [6.05, 19.06]	0.45	0	93 (2)	1a, 25.1b
	$Q_\Delta = 17.40$, $p < .0001$						
Nonsexual Violent	Any CSEM	1.12 [0.94, 1.32]	1.41 [0.50, 2.79]	**84.70**	89.37	11,471 (10)	4.1a, 9, 10.1, 13.1a, 13.1b 14, 15.1a, 15.1b, 17
	CSEM-E	1.08 [0.89, 1.29]	1.08 [0.44, 2.00]	**50.05**	90.01	10,377 (6)	4.1a, 9, 10.1, 13.1a, 15.1, 17

	Mixed $Q_\Delta = 1.31$, $p = .252$	1.49 [0.86, 2.30]	2.33 [0.12, 7.17]	**33.34**	91.00	1,094 (4)	4.1b, 13.1b, 14, 15.1b
Breach/ recall	Any CSEM	11.45 [10.38, 12.56]	9.43 [2.25, 20.82]	**191.13**	96.86	3,268 (7)	4.1a, 4.1b, 10.1, 14, 17, 25.1a, 25.1b
	CSEM-E	9.17 [8.07, 10.33]	6.69 [1.09, 16.54]	**92.75**	96.77	2,524 (4)	4.1a, 10.1, 17, 25.1a
	Mixed **$Q_\Delta = 62.55$, $p < .0001$**	20.72 [17.89, 23.71]	13.34 [0.03, 44.38]	**35.83**	94.42	744 (3)	4.1b, 14, 25.1b
Any recidivism	Any CSEM	11.72 [11.16, 12.29]	21.19 [15.25, 27.82]	**510.35**	95.49	12,554 (24)	1a, 1b, 4.1a, 4.1b, 6.1a, 6.1b 7.1a, 7.1b, 9, 13.1a, 13.1b, 14, 15.1a, 15.1b, 16a, 16b, 17, 21a, 21b, 22, 23a, 23b, 25.1a, 25.1b
	CSEM-E	10.66 [10.10, 11.24]	14.l8 [10.75, 18.01]	**113.86**	89.46	11,203 (13)	1a, 4.1a, 6.1a, 7.1a, 9, 13.1a, 15.1a, 16a, 17, 21a, 22, 23a, 25.1a
	Mixed **$Q_\Delta =$ 117.17, $p < .0001$**	22.03 [19.85, 24.28]	30.46 [18.66, 43.73]	**279.32**	96.42	1,351 (11)	1b, 4.1b, 6.1b, 7.1b, 13.1b, 14, 15.1b, 16b, 21b, 23b, 25.1b
Any crime (i.e.,	Any CSEM	9.16 [8.52, 9.83]	7.93 [5.20, 11.17]	**106.90**	96.26	7,415 (5)	4.1a, 4.1b, 9, 15.1a, 15.1b

major offenses)	CSEM-E	9.39 [8.70, 10.09]	8.42 [4.26, 13.81]	**102.11**	98.04	6,779 (3)	4.1a, 9, 15.1a
	Mixed	6.91 [5.07, 9.01]	6.91 [5.07, 9.01]	0.001	0	636 (2)	4.1b, 15.1b
	Q_Δ = **4.79**, p = **.029**						

Note. Analyses restricted to samples that reported recidivism rates for CSEM-Exclusive (denoted by study numbers that include a) and/or Mixed (denoted by b). Therefore, this does not encompass all samples that reported Any CSEM, but rather a subset of them. Self-report samples ($k = 4$) were excluded from these analyses. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses, k = number of samples, Q_Δ = Q-change.

Bolded values are significant at $p < .05$; p-values are based on the chi-square distribution with degrees of freedom equal to $k - 1$.

Material s1

Inter-rater Reliability Results

IR analyses were completed for all non-practice studies (total $k = 22$). Below are the kappa and

percentage agreement for categorical variables and ICC for continuous variables.

Sample Descriptors

* STUDY – Identification # _____ κ = 1.00, % agreement = 100%, number of studies = 22

* PUBLISHD – material is published _____ κ = 0.58, % agreement = 86.4%, number of studies = 22

  0 = no
  1 = yes

* PEERREVIEW – material is peer reviewed _____ κ = 0.69, % agreement = 90.9%, number of studies = 22

  0 = no
  1 = yes

* YEAR – date which study was published/released/completed _____ κ = 0.95, % agreement = 95.5%, number of studies = 22

* COUNTRY – country where study originated _____ κ = 1.00, % agreement = 100%, number of studies = 22

0 = Canada	7 = Norway
1 = U.S.	8 = Australia
2 = United Kingdom	9 = Scotland
3 = France	10 = Switzerland
4 = Netherlands (Holland)	11 = New Zealand
5 = Germany	12 = Not listed
6 = Denmark	

*   Whether additional information was provided by the authors for us to compute *p* (e.g., subgroup analyses) or code moderators _____ κ = 0.83, % agreement = 95.5%, number of studies = 22

      0 = no
      1 = yes

*   CJSINVLMNT – whether the sample was a criminal justice sample (versus non-offending) _____ κ = 0.46, % agreement = 90.9%, number of studies = 22

      1 = yes
      2 = no

*   COMP – number of group comparisons _____ κ = 0.78, % agreement = 86.4%, number of studies = 22

      1 = only Any CSEM
      2 = only CSEM-Exclusive
      3 = only Mixed
      4 = all three (Any CSEM, CSEM-Exclusive, and Mixed)
      5 = Any CSEM and CSEM-Exclusive
      6 = Any CSEM and Mixed
      7 = CSEM-Exclusive and Mixed

*   ANYSIZE – largest sample size with recidivism for Any CSEM group _____ κ = 0.90, % agreement = 90.9%, number of studies = 22

*   CSEMESIZE – largest sample size with recidivism for CSEM-Exclusive group _____ κ = 1.00, % agreement = 100%, number of studies = 17

*   MIXEDSIZE – largest sample size with recidivism for Mixed group _____ κ = 1.00, % agreement = 100.0%, number of studies = 15

*   CSEMEPR – percentage for CSEM-exclusive group in the Any CSEM group _____ κ = 1.00, % agreement = 100%, number of studies = 15
                                       (_____%)
                         ICC = 1.00, number of studies = 15

      0 = 0-20%
      1 = 20-40%

2 = 40-60%
3 = 60-100%
4 = unknown

*   MIXEDPR – percentage for mixed group in the Any CSEM group _____ κ = 1.00, % agreement = 100%, number of studies = 14

<div align="right">(_____%)</div>
<div align="right">ICC = 1.00, number of studies = 14</div>

0 = 0-20%
1 = 20-40%
2 = 40-60%
3 = 60-100%
4 = unknown

*   ANYCRIT – criteria for Any CSEM group _____ κ = 0.64, % agreement = 77.3%, number of studies = 22

0 = any history of CSEM offenses (index or prior)
1 = index is a CSEM offense
2 = criminal history comprised of exclusively of CSEM offenses (index and prior)
3 = self-reported CSEM individuals
4 = other, describe: _____

*   CSEMECRIT – criteria for CSEM-Exclusive group _____ κ = 0.89, % agreement = 92.8%, number of studies = 14

0 = any history of a CSEM offenses (index or prior)
1 = index is an CSEM-based offense
2 = criminal history comprised of <u>exclusively of</u> CSEM offenses (index and prior)
3 = criminal history of CSEM offenses <u>or</u> non-contact sexual offenses
4 = self-reported CSEM individuals
5 = other, describe: _____

*   MIXEDCRIT – criteria for Mixed group _____ κ = 0.78, % agreement = 84.6%, number of studies = 13

0 = any history of CSEM and sex offending against children
1 = any history of CSEM and sex offending (unsure if it is against adult/ children)
2 = index cluster is a CSEM and contact sex offending
3 = Self-report contact offending but CSEM is based on official
4 = Self-report CSEM and contact offending

5 = other, describe: _____

*   ANYSAMPLE – sample type for Any CSEM sample _____ κ = 1.00, % agreement = 100%, number of studies = 22

1 = routine
2 = treatment
3 = high risk/high need
4 = other, describe: _____

*   CSEMESAMPLE – sample type for CSEM-Exclusive sample _____ κ = 1.00, % agreement = 100%, number of studies = 15

1 = routine
2 = treatment
3 = high risk/high need
4 = other, describe: _____

*   MIXEDSAMPLE – sample type for Mixed sample _____ κ = 1.00, % agreement = 100%, number of studies = 14

1 = routine
2 = treatment
3 = high risk/high need
4 = other, describe: _____

*   ANYAGE – age for Any CSEM sample _____ κ = 0.85, % agreement = 94.1%, number of studies = 17

1 = exclusively adults (>= 18)
2 = exclusively juveniles (< 18)
3 = mainly adults (over 80% but under 98%)
4 = mainly juveniles (over 80% but under 98%)
5 = mixed group (40-60%)

Mean age for Any CSEM sample   [ANYage] _____
ICC = .996, number of studies = 14
anySD_____
ICC = .943, number of studies = 11
any$N$_____
ICC = 1.00, number of studies = 17

*   CSEMEAGE – age for CSEM-Exclusive sample _____ κ = 1.00, % agreement = 100%, number of studies = 11

1 = exclusively adults (>= 18)
2 = exclusively juveniles (< 18)
3 = mainly adults (over 80% but under 98%)
4 = mainly juveniles (over 80% but under 98%)
5 = mixed group (40-60%)

Mean age for CSEM-Exclusive sample   [CSEMEXage] _____
                                    ICC = 1.00, number of studies = 6
                                    CSEMexSD_____
                                    ICC = 1.00, number of studies = 4
                                    CSEMex$N$_____
                                    ICC = 1.00, number of studies = 8

*   MIXEDAGE – age for Mixed sample _____ κ = 1.00, % agreement = 100%, number of studies = 10

1 = exclusively adults (>= 18)
2 = exclusively juveniles (< 18)
3 = mainly adults (over 80% but under 98%)
4 = mainly juveniles (over 80% but under 98%)
5 = mixed group (40-60%)

Mean age for Mixed sample   [MIXEDage] _____
                                    ICC = 1.00, number of studies = 6
                                    mixedSD_____
                                    ICC = 1.00, number of studies = 5
                                    mixed$N$_____
                                    ICC = 1.00, number of studies = 7

*   OTHERSEX – indicate whether the study reported sex other than male/ female _____ κ = 1.00, % agreement = 100%, number of studies = 22

1 = yes, describe: _____
2 = no

*   OTHERGENDER – indicate whether the study reported gender other than men/ women _____ κ = 1.00, % agreement = 100%, number of studies = 22

1 = yes, describe: _____

2 = no

*   ANYSEX – sex for Any CSEM sample _____ κ = 0.76, % agreement = 93.8%, number of studies = 16

1 = exclusively males
2 = exclusively females
3 = mainly males (over 80%)
4 = mainly females (over 80%)
5 = mixed group (40-60%)

Percent of males for Any CSEM sample   [ANYmale] _____

ICC = 1.00, number of studies = 17

*   CSEMESEX– sex for CSEM-Exclusive sample _____ κ = 1.00, % agreement = 100%, number of studies = 13

1 = exclusively males
2 = exclusively females
3 = mainly males (over 80%)
4 = mainly females (over 80%)
5 = mixed group (40-60%)

Percent of males for CSEM-exclusive sample   [CSEMEXmale] _____

ICC = 1.00, number of studies = 13

*   MIXEDSEX – sex for Mixed sample _____ κ = NA, % agreement = 100%, number of studies = 12

1 = exclusively males
2 = exclusively females
3 = mainly males (over 80%)
4 = mainly females (over 80%)
5 = mixed group (40-60%)

Percent of males for Mixed sample   [MIXEDmale] _____

ICC = 1.00, number of studies = 12

*   ANYRACE – race for Any CSEM sample

Percent Black   [anyblack] _____
ICC = 1.00, number of studies = 4
Percent White   [anywhite] _____
ICC = 1.00, number of studies = 8
Percent Hispanic   [anyhisp] _____
ICC = 1.00, number of studies = 3
Percent indigenous   [anyindg] _____
ICC = 1.00, number of studies = 5
Percent other, describe: _____ _[anyother] _____
ICC = 1.00, number of studies = 7

*   ANYRACE_DI – White versus non-white ratio for Any CSEM sample _____

[% white] _____
ICC = 1.00, number of studies = 8
[% non-white] _____
ICC = 1.00, number of studies = 8

*   CSEMERACE – race for the CSEM-Exclusive sample _____

Percent Black   [CSEMEblack] _____
ICC = 1.00, number of studies = 4
Percent White   [CSEMEwhite] _____
ICC = 1.00, number of studies = 5
Percent Hispanic   [CSEMEhisp] _____
ICC = 1.00, number of studies = 3
Percent indigenous   [CSEMindg] _____
ICC = 1.00, number of studies = 4
Percent other, describe   [CSEMEother] _____
ICC = 1.00, number of studies = 4

*   CSEMERACE_DI – White versus non-white ratio for CSEM-Exclusive sample _____

[% white] _____
ICC = 1.00, number of studies = 5
[% non-white] _____
ICC = 1.00, number of studies = 5

*   MIXEDRACE – race for Mixed sample

Percent Black   [mixedblack] _____
ICC = NA, number of studies = 1
Percent White   [mixedwhite] _____

Percent Hispanic

ICC = 1.00, number of studies = 4
[mixedhisp] _____
ICC = NA, number of studies = 0

Percent indigenous

[mixedindg] _____
ICC = 1.00, number of studies = 2

Percent other, describe

[mixedother] _____
ICC = 1.00, number of studies = 2

* MIXEDRACE_DI – White versus non-white ratio for Mixed sample _____

[% white] _____
ICC = 1.00, number of studies = 4
[% non-white] _____
ICC = 1.00, number of studies = 4

* RECIDDEFNO – the number of sources the study used for recidivism definition _____
κ = 0.63, % agreement = 90.9%, number of studies = 22
RECnat: Official national source of recidivism (i.e., whole country)   YES   NO
κ = 0.73, % agreement = 86.4%, number of studies = 22
RECloc: Official local (provincial/state) source of recidivism   YES   NO
κ = 0.81, % agreement = 90.9%, number of studies = 22
RECnews: Recidivism information from Newspapers reports   YES   NO
κ = NA, % agreement = 100%, number of studies = 22
RECself: Recidivism information from self-report reports   YES   NO
κ = 1.00, % agreement = 100%, number of studies = 22
RECpo: Recidivism information from police investigation or case files YES   NO
κ = 1.00, % agreement = 100%, number of studies = 22
RECother: Other, describe: _____   YES   NO
κ = NA, % agreement = 100%, number of studies = 22

* PSEUDOREC – whether researchers addressed pseudo-recidivism _____ κ = 1.00, % agreement = 100.0%, number of studies = 22

1 = yes
2 = no
3 = unknown

* ANYPRIOANYCSEM – any prior offenses for Any CSEM group

Any CSEM group

[ANYpriorperc] ____%
ICC = 1.00, number of studies = 2
[ANYpriormean] _____

ICC = NA, number of studies = 1

(*SD* = _____ , *n* = _____)

ICC = NA, # of studies = 1   ,   ICC = 1.00, # of studies = 11

*   CRITANYPRIO – criteria for the any prior offenses for Any CSEM group_____ κ = 1.00, % agreement = 100%, number of studies = 11

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   ANYPRIOCSEMEX – any prior offenses for CSEM-Exclusive group

CSEM-Exclusive group   [EXCpriorperc] ____%

ICC = 1.00, number of studies = 5

[EXCpriormean] _____

ICC = NA, number of studies = 0

(*SD* = _____ , *n* = _____)

ICC = NA, # of studies = 0   ,   ICC = 1.00, # of studies = 4

*   CRITANYCSEMEPRIO – criteria for the any prior offenses for CSEM-Exclusive group_____ κ = 1.00, % agreement = 100%, number of studies = 4

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   ANYPRIOMIX – any prior offenses for Mixed group

Mixed group   [MIXpriorperc] ____%

ICC = 1.00, number of studies = 3

[MIXpriormean] _____

ICC = NA, number of studies = 1

(*SD* = _____ , *n* = _____)

ICC = NA, # of studies = 1   ,   ICC = 1.00, # of studies = 4

*   CRITMIXANYPRIO – criteria for the any prior offenses for Mixed group_____ κ = 1.00, % agreement = 100%, number of studies = 4

      1 = arrest
      2 = charges
      3 = convictions
      4 = self-reports
      5 = police files

*   ANYPRIOSEX –prior sex offenses for Any CSEM group

      Any CSEM group   [ANYpriorsexperc] ____%
                                     ICC = 1.00, number of studies = 14
                                     [ANYpriorsexmean] _____
                                     ICC = 1.00, number of studies = 4

$(SD =$ _____ $, n =$_____$)$
ICC = 1.00, # of studies = 2   ,   ICC = 1.00, # of studies = 15

*   CRITSEXPRIOANY – criteria for the prior sex offenses for Any CSEM group_____ κ = 1.00, % agreement = 100%, number of studies = 12

      1 = arrest
      2 = charges
      3 = convictions
      4 = self-reports
      5 = police files

*   CSEMEPRIOSEX – any prior sex offenses for CSEM-Exclusive group

      CSEM-Exclusive group   [EXCpriorsexperc] ____%
                                       ICC = 1.00, number of studies = 3
                                     [EXCpriorsexmean] _____
                                     ICC = NA, number of studies = 1

$(SD =$ _____ $, n =$_____$)$
ICC = NA, # of studies = 0   ,   ICC = 1.00, # of studies = 13

*   CRITCSEMESEXPRIO – criteria for the prior sex offenses for CSEM-Exclusive group_____ κ = 1.00, % agreement = 100%, number of studies = 4

      1 = arrest
      2 = charges
      3 = convictions

4 = self-reports
5 = police files

*   PRIOSEXMIX –prior sex offenses for Mixed group

Mixed group   [MIXpriorsexperc] ____%
ICC = 1.00, number of studies = 4
[MIXpriorsexmean] _____
ICC = NA, number of studies = 1

$(SD =$ _____ $, n =$_____)
ICC = NA, # of studies = 1   ,   ICC = 1.00, # of studies = 5

*   CRITCMIXSEXPRIO – criteria for the prior sex offenses for Mixed group_____ $\kappa = 1$, % agreement = 100%, number of studies = 5

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   ANYPRIORVIO – prior violent offenses for Any CSEM group

Any CSEM group   [ANYpriorvioperc] ____%
ICC = 1.00, number of studies = 6
[ANYpriorviomean] _____
ICC = NA, number of studies = 1

$(SD =$ _____ $, n =$_____)
ICC = NA, # of studies = 0   ,   ICC = 1.00, # of studies = 6

*   CRITANYVIOPRIO – criteria for the prior violent offenses for Any CSEM group_____ $\kappa = 1.00$, % agreement = 100%, number of studies = 6

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   CSEMEPRIORVIO – prior violent offenses for CSEM-Exclusive group

CSEM-Exclusive group   [EXCpriorvioperc] ____%
ICC = 1.00, number of studies = 4
[EXCpriorviomean] _____
ICC = NA, number of studies = 0
($SD =$ _____ , $n =$ _____)
ICC = NA, # of studies = 0   ,   ICC = 1.00, # of studies = 4

*   CRITCSEMEVIOPRIO – criteria for the prior violent offenses for CSEM-Exclusive group_____ $\kappa = 1.00$, % agreement = 100%, number of studies = 4

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   MIXPRIORVIO – prior violent offenses for Mixed group

Mixed group   [MIXpriorvioperc] ____%
ICC = 1.00, number of studies = 3
[MIXpriorviomean] _____
ICC = NA, number of studies = 0
($SD =$ _____ , $n =$ _____)
ICC = NA, # of studies = 0   ,   ICC = 1.00, # of studies = 3

*   CRITCMIXVIOPRIO – criteria for the prior violent offenses for Mixed group_____ $\kappa = 1.00$, % agreement = 100%, number of studies = 3

1 = arrest
2 = charges
3 = convictions
4 = self-reports
5 = police files

*   ANYTX_CSEM – treatment completion for Any CSEM group _____ $\kappa = 0.62$, % agreement = 90.5%, number of studies = 22

0 = no
1 = some (at least 50-75%)
2 = most (75% or more)

3 = unknown

*   ANYTX_CSEME – treatment completion for CSEM-Exclusive group _____ κ = 1.00, % agreement = 100%, number of studies = 15

0 = no
1 = some (at least 50-75%)
2 = most (75% or more)
3 = unknown

*   ANYTX_MIXED – treatment completion for Mixed group _____ κ = 1.00, % agreement = 100%, number of studies = 14

0 = no
1 = some (at least 50-75%)
2 = most (75% or more)
3 = unknown

Variable Coding

OFFGROUP: _____ κ = 0.98, % agreement = 98.4%, *n* = 256
>1 = Any CSEM
>2 = CSEM-Exclusive
>3 = Mixed

RecidTYPE: _____ κ = 0.99, % agreement = 99.6%, *n* = 256

1 = any sex	8 = breach/ recall
2 = contact sex	9 = failure to register
3 = CSEM	10 = any recidivism
4 = any non-contact sex (inc. CSEM)	11 = any crime (i.e., major offenses)
5 = non-contact sex (exc. CSEM)	12 = non-sexual recidivism
6 = any violent (inc. contact)	13 = non-sexual non-violent
7 = violent (exc. contact)	

SOURCE: κ = 1.00, % agreement = 100%, *n* = 256 **F/U:** κ = 0.98, % agreement = 99.2%, *n* = 256

1 = Official	1 = fixed
2 = Self-report	2 = variable

FOLLOW-UP (in months): κ = 0.99, % agreement = 99.2%, *n* = 256
MIN FOLLOW UP (in months): κ = 0.99, % agreement = 99.4%, *n* = 182
MAX FOLLOW UP (in months): κ = 0.99, % agreement = 98.9%, *n* = 182

If self-report, source definition: _____ κ = 0.79, % agreement = 90.9%, *n* = 22
>1 = overall rates (up to survey date)
>2 = distinct time period (e.g., last 12 months)

If official, source definition: _____ κ = 0.98, % agreement = 98.7%, *n* = 234
>0 = breaches or risky behaviors reported by parole
>1 = arrest
>2 = charges
>3 = convictions
>4 = police investigation

PREVALENCE

	ICC = .989, *n* = 256 Ntotal	ICC = .997, *n* = 256 nrec
RECID		

Effect size *p* _____ ICC = .999, *n* = 256
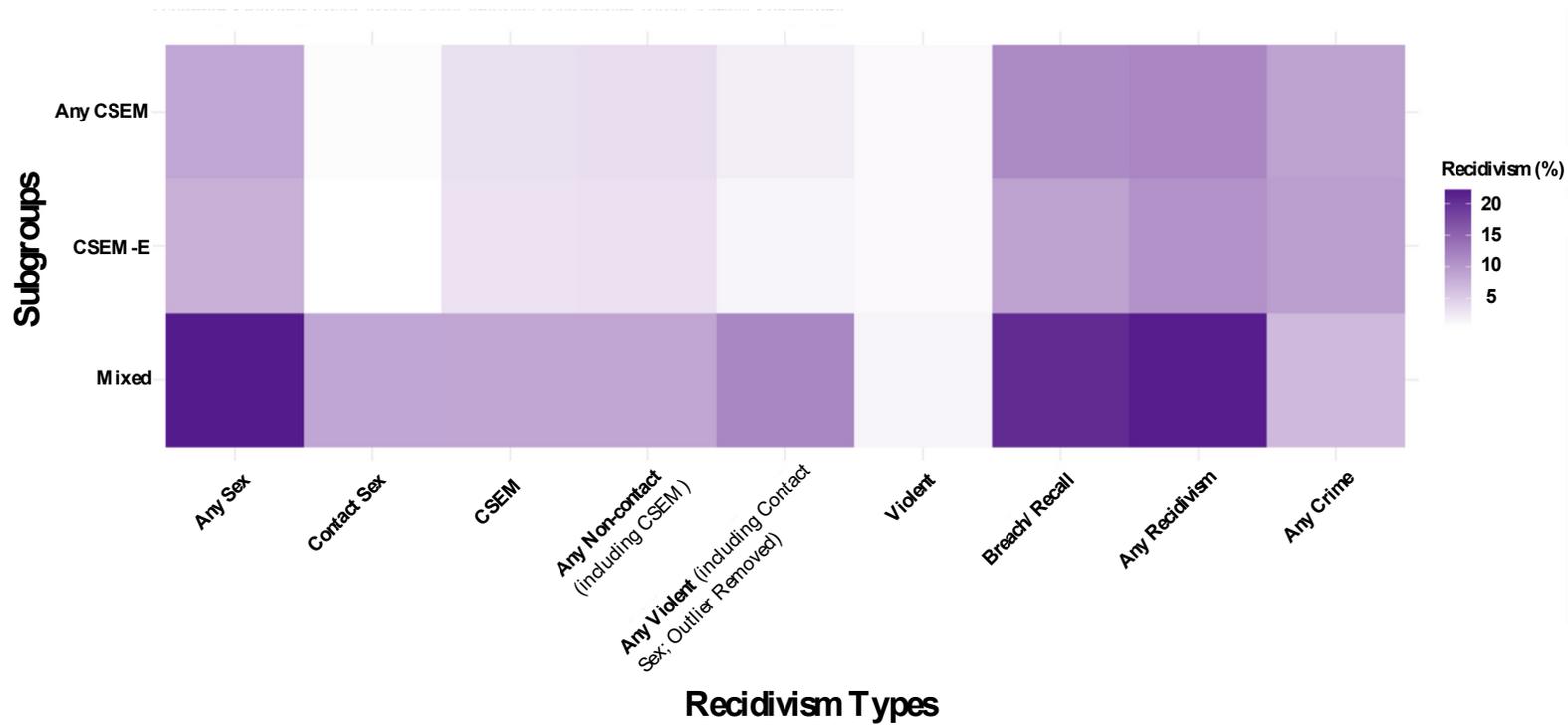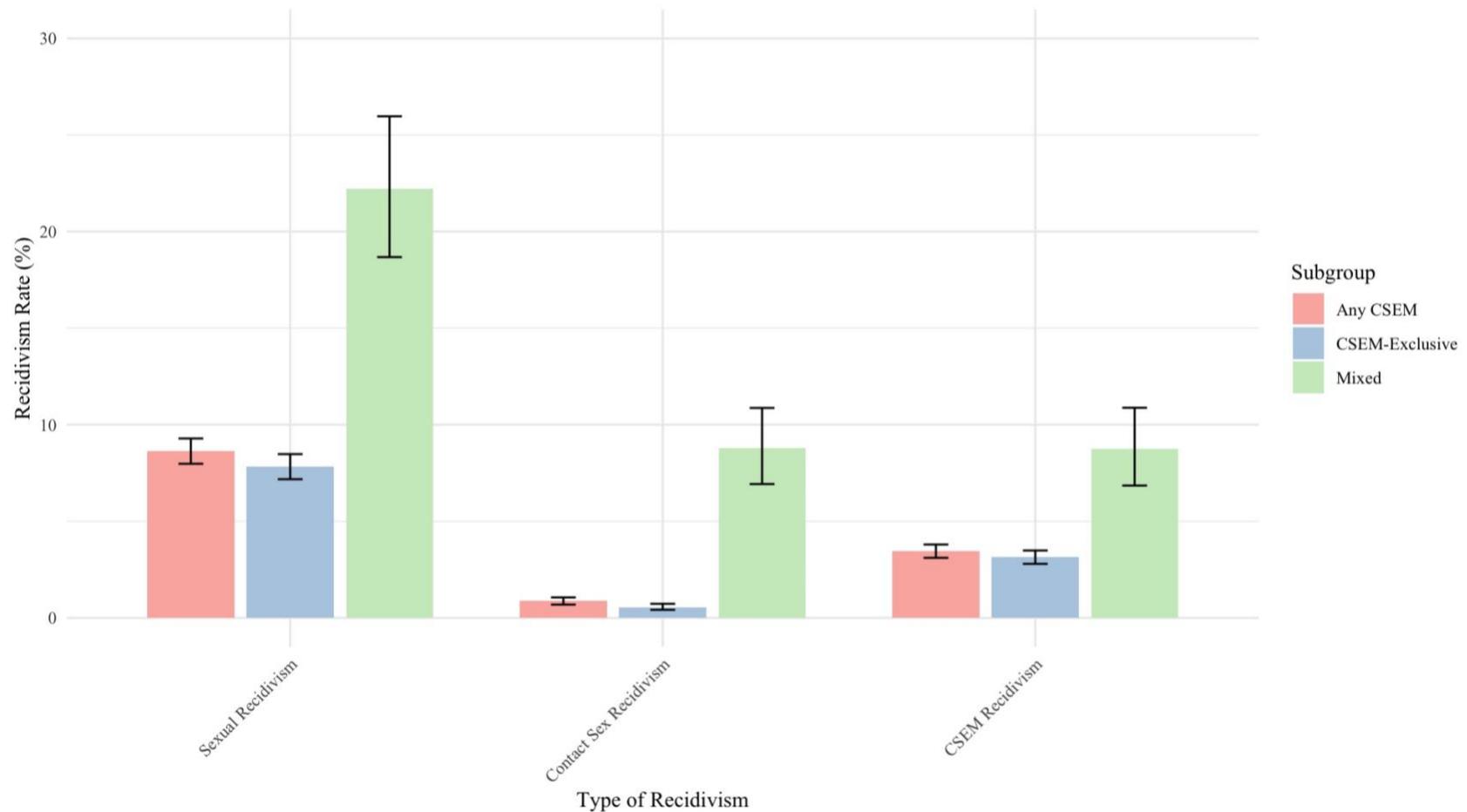
Figure s1

Forest Plot Showing Contact Sex Recidivism Rates among Any CSEM Group
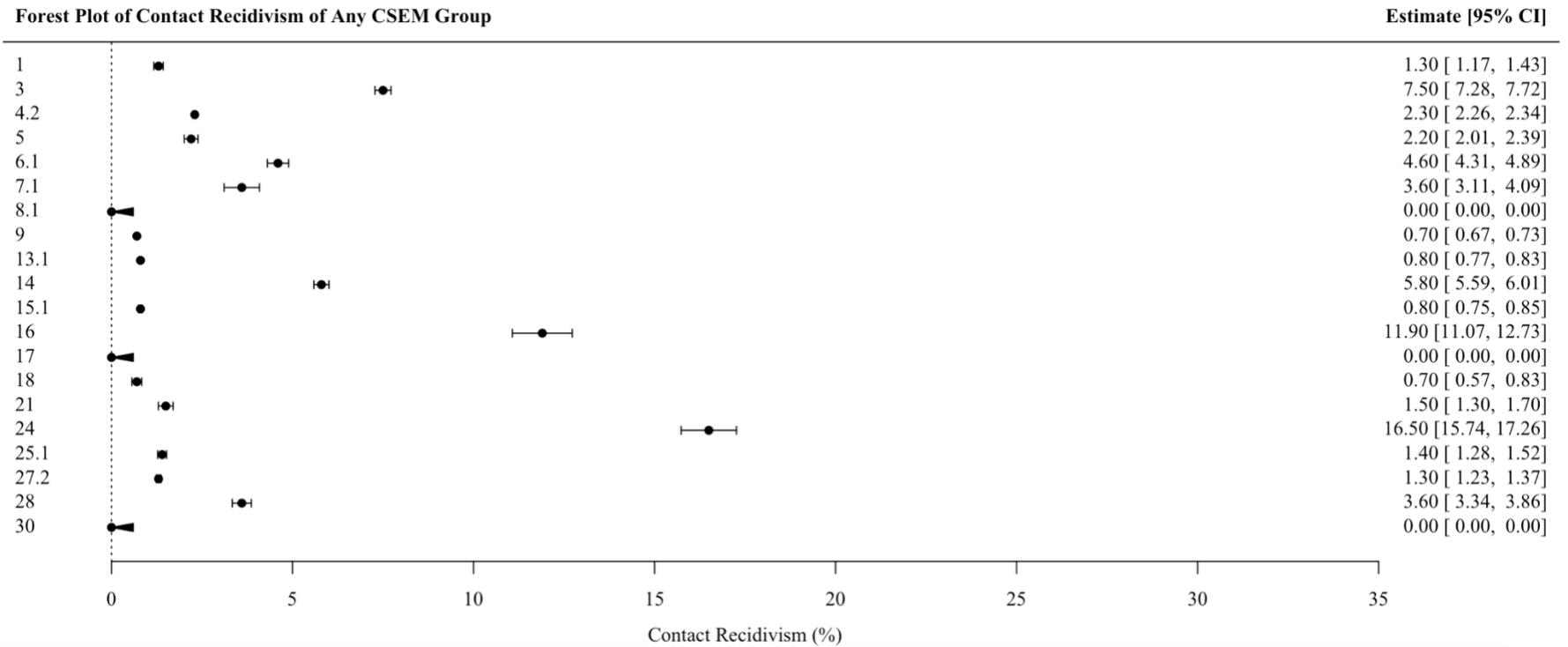
Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses. Self-report samples (*k* = 4) were excluded from the figure.

Figure s2

Forest Plot Showing CSEM Recidivism Rates among Any CSEM Group
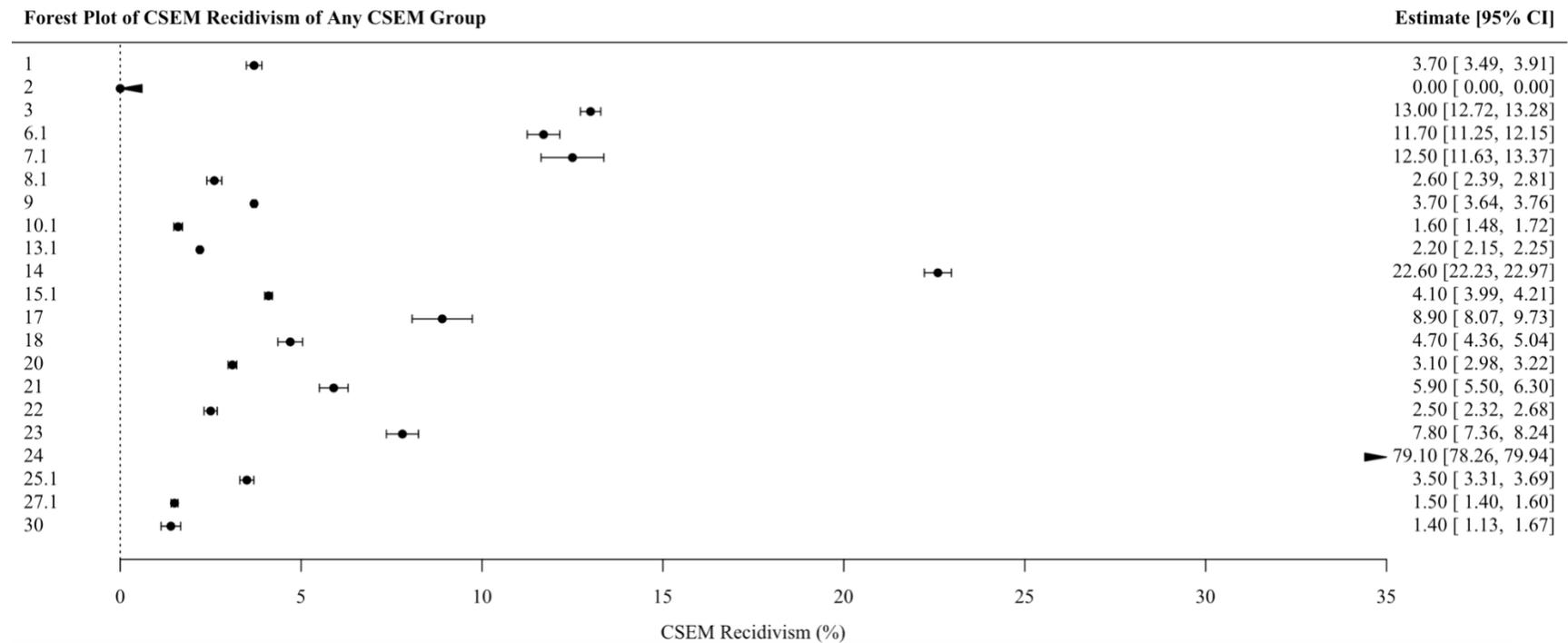
Forest Plot of CSEM Recidivism of Any CSEM Group	Estimate [95% CI]
1	3.70 [3.49, 3.91]
2	0.00 [0.00, 0.00]
3	13.00 [12.72, 13.28]
6.1	11.70 [11.25, 12.15]
7.1	12.50 [11.63, 13.37]
8.1	2.60 [2.39, 2.81]
9	3.70 [3.64, 3.76]
10.1	1.60 [1.48, 1.72]
13.1	2.20 [2.15, 2.25]
14	22.60 [22.23, 22.97]
15.1	4.10 [3.99, 4.21]
17	8.90 [8.07, 9.73]
18	4.70 [4.36, 5.04]
20	3.10 [2.98, 3.22]
21	5.90 [5.50, 6.30]
22	2.50 [2.32, 2.68]
23	7.80 [7.36, 8.24]
24	79.10 [78.26, 79.94]
25.1	3.50 [3.31, 3.69]
27.1	1.50 [1.40, 1.60]
30	1.40 [1.13, 1.67]

CSEM Recidivism (%)

Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses. Self-report samples ($k =$ 4) were excluded from the figure.

Figure s3

Fixed-effect Meta-analysis of Recidivism Rates among Any CSEM Group
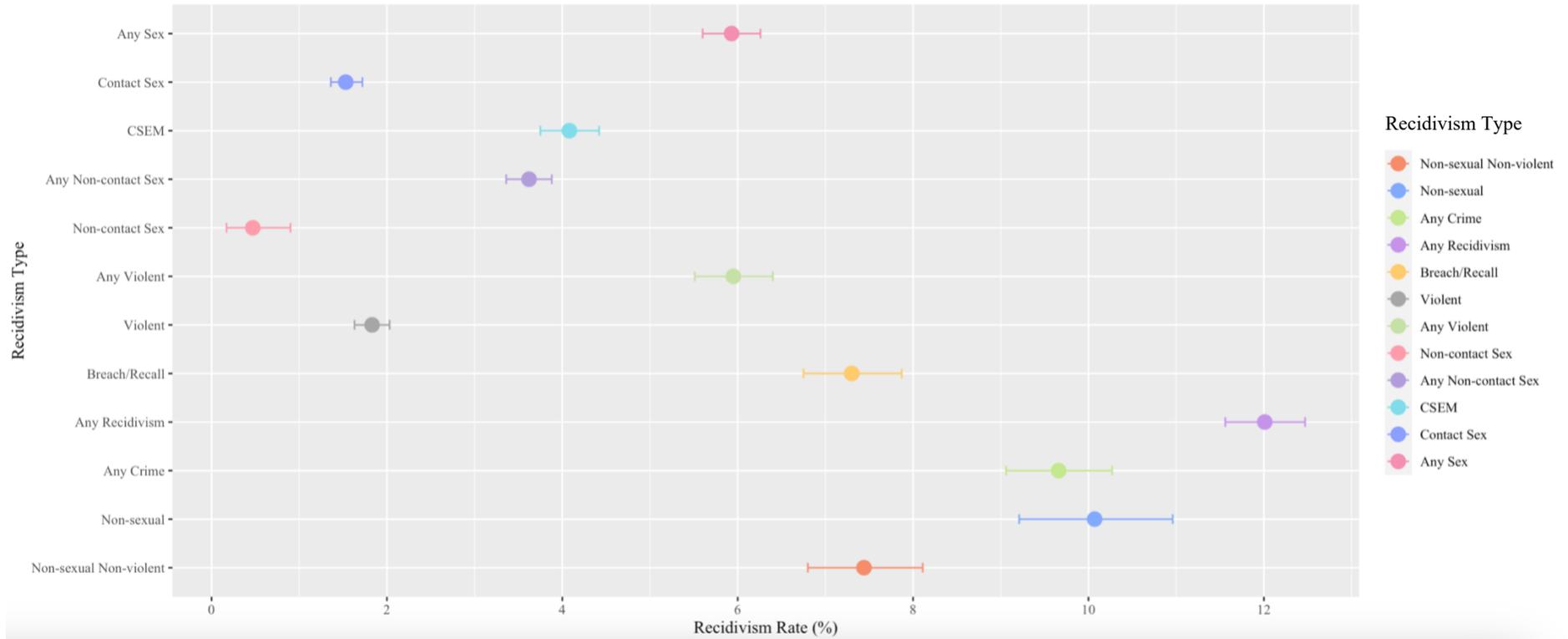
Note. CSEM = Child Sexual Exploitation Material. Non-contact sex excludes CSEM offenses, and Any violent recidivism includes contact sex offenses. Non-sexual violent recidivism is defined as crime of violence (e.g., robbery, physical assault, and murder) whereas non-sexual non-violent recidivism is defined as offenses that are not sexual and violent in nature (e.g., theft, financial crimes, and drug offenses). Self-report samples ($k = 4$) were excluded from these analysis.

Figure s4

Heatmap Showing Fixed-effect Meta-analysis Recidivism Rates Across Subgroups

Figure s5

Sexual Recidivism Rates by Type and Subgroup

Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses. Self-report samples ($k = 4$) were excluded from these analyses.

Table s7

Any Sex, Contact Sex, and CSEM Recidivism Fixed-Effect Meta-analysis Recidivism Rates of Any CSEM Group Divided by the Fixed and Variable Follow-Up Timeframes

	Any Sex Recidivism % [95% CI]; *n* (*k*); Study IDs	Contact Sex Recidivism % [95% CI]; *n* (*k*); Study IDs	CSEM Recidivism % [95% CI]; *n* (*k*); Study IDs
Fixed 5-year Follow-Up	4.90 [4.41, 5.41]; 7,186 (6); 4.2, 5, 6.1, 7.1, 20, 23	1.58 [1.34, 1.84]; 9,422 (4); 4.2, 6.1, 7.1, 13.1	4.45 [3.37, 5.71]; 1,189 (4); 6.1, 7.1, 20, 23
Variable Follow-Up	4.40 [4.02, 4.79]; 10,944 (14); 4.3, 6.1, 7.1, 10.2, 14, 15.1, 17, 18, 21, 22, 24, 25.1, 27.1, 28	2.38 [1.99, 2.82]; 5,214 (17); 3, 5, 6.1, 7.1, 11, 14, 15.1, 17, 18, 21, 24, 25.1, 27.1, 28, 29, 30	6.19 [5.57, 6.84]; 5,5759 (18); 3, 6.1, 7.1, 10.1, 11, 14, 15.1, 17, 18, 21, 22, 24, 25.1, 26, 27.1, 29, 30
Variable follow-up details (in months)	*M* = 56.69 *Mdn* = 51.30 *SD* = 27.62 *Min* = 13.50 *Max* = 102.00	*M* = 63.52 *Mdn* = 61.08 *SD* = 30.04 *Min* = 13.50 *Max* = 102.00	*M* = 60.55 *Mdn* = 59.34 *SD* = 28.37 *Min* = 13.50 *Max* = 102.00

Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, *k* = number of samples. Self-report samples (*k* = 4) were excluded from these analyses.

Table s8

Any Sex, Contact Sex, and CSEM Recidivism Fixed-Effect Meta-analysis Recidivism Rates of <u>CSEM-E </u>Subgroup Divided by the Fixed and Variable Follow-Up Timeframes

	Any Sex Recidivism % [95% CI]; *n* (*k*); Study IDs	Contact Sex Recidivism % [95% CI]; *n* (*k*); Study IDs	CSEM Recidivism % [95% CI]; *n* (*k*); Study IDs
Fixed 5-year Follow-Up	4.98 [3.52, 6.66]; 737 (5); 5, 6.1, 7.1, 23, 25.2	0.37 [0.20, 0.60]; 3,545 (4); 6.1, 7.1, 13.1, 25.2	3.66 [2.24, 5.40]; 542 (4); 6.1, 7.1, 23, 25.2
Variable Follow-Up	4.96 [4.09, 5.92]; 2,156 (7); 6.1, 7.1, 15.1, 17, 21, 22, 25.1	0.78 [0.44, 1.22]; 1,979 (8); 6.1, 7.1, 11, 15.1, 17, 21, 25.1, 29	4.41 [3.67, 5.22]; 2,686 (10); 6.1, 7.1, 10.1, 11, 15.1, 17, 21, 22, 25.1, 29
Variable follow-up details (in months)	*M* = 59.57 *Mdn* = 61.44 *SD* = 31.32 *Min* = 13.50 *Max* = 101.52	*M* = 54.64 *Mdn* = 49.37 *SD* = 31.80 *Min* = 13.50 *Max* = 101.52	*M* = 53.34 *Mdn* = 48.14 *SD* = 28.52 *Min* = 13.50 *Max* = 101.52

Note. CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), *k* = number of samples. Self-report samples (*k* = 4) were excluded from these analyses.

Table s9

Any Sex, Contact Sex, and CSEM Recidivism Fixed-Effect Meta-analysis Recidivism Rates of <u>Mixed</u> Subgroup Divided by the Fixed and Variable Follow-Up Timeframes

	Any Sex Recidivism % [95% CI]; *n* (*k*)	Contact Sex Recidivism % [95% CI]; *n* (*k*)	CSEM Recidivism % [95% CI]; *n* (*k*)
Fixed 5-year Follow-Up	1.72 [1.41, 2.07]; 5,889 (5); 4.2, 5, 6.1, 7.1, 23 *Outlier removed (4.2)* = 28.15 [20.52, 36.47]; 121 (4); 5, 6.1, 7.1, 23	4.34 [2.53, 6.60]; 383 (4); 6.1, 7.1, 13.1, 23	17.43 [10.20, 26.12]; 86 (3); 6.1, 7.1, 23
Variable Follow-Up	26.82 [22.40, 31.48]; 365 (6); 6.1, 7.1, 14, 15.1, 21, 25.1	11.86 [8.91, 15.15]; 411 (8); 6.1, 7.1, 11, 14, 15.1, 21, 25.1, 29	17.35 [13.85, 21.16]; 411 (8); 6.1, 7.1, 11, 14, 15.1, 21, 25.1, 29
Variable follow-up details (in months)	*M* = 72.18 *Mdn* = 74.10 *SD* = 22.28 *Min* = 37.30 *Max* = 101.50	*M* = 61.49 *Mdn* = 64.86 *SD* = 27.33 *Min* = 28.80 *Max* = 101.52	*M* = 61.49 *Mdn* = 64.86 *SD* = 27.33 *Min* = 28.80 *Max* = 101.52

Note. CSEM = Child Sexual Exploitation Material, Mixed = individuals with both CSEM and contact sexual offenses, *k* = number of samples. Self-report samples (*k* = 4) were excluded from these analyses.
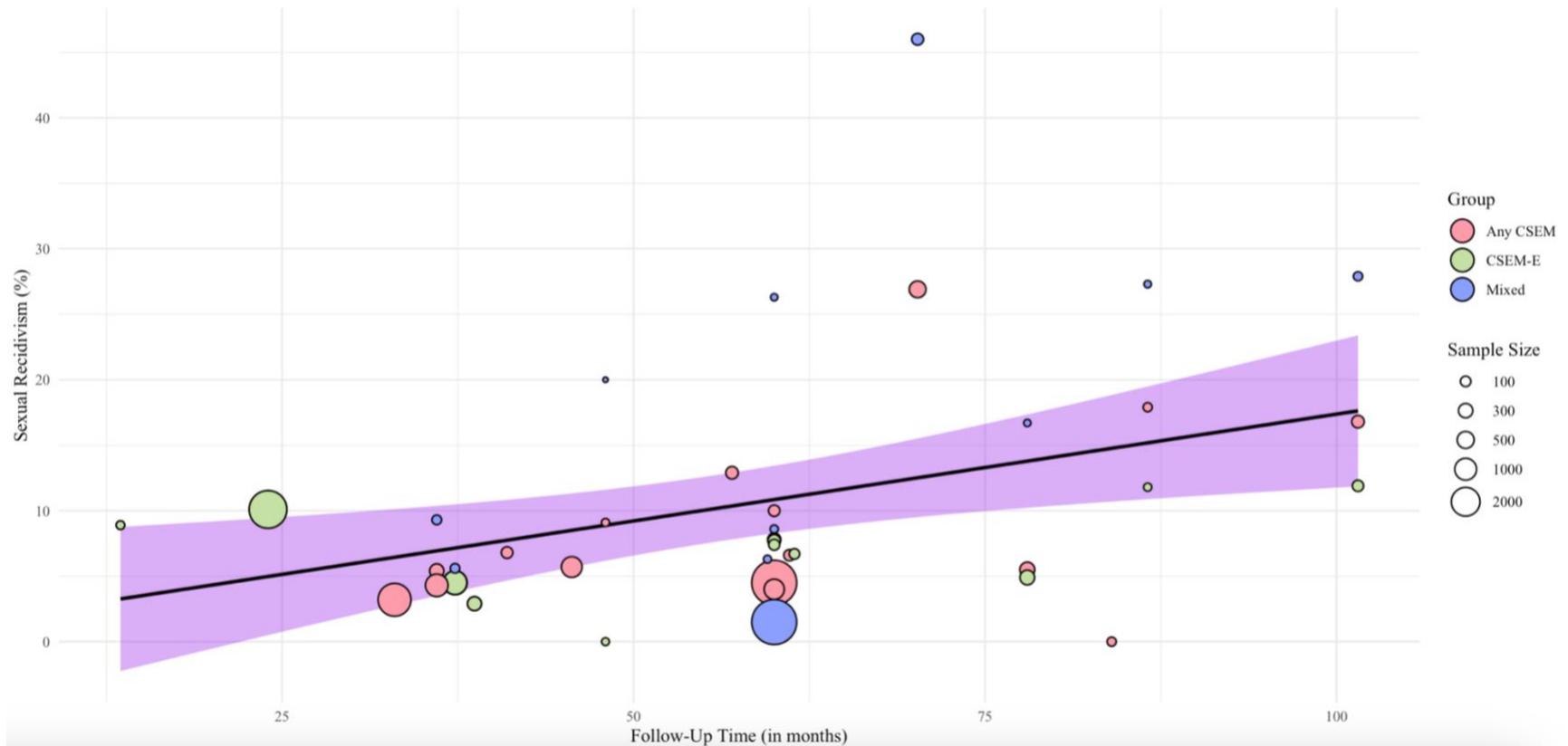
Figure s6

*Percentage of CSEM Recidivism Rates by Self-Reports, Arrests, Charges, and Convictions*
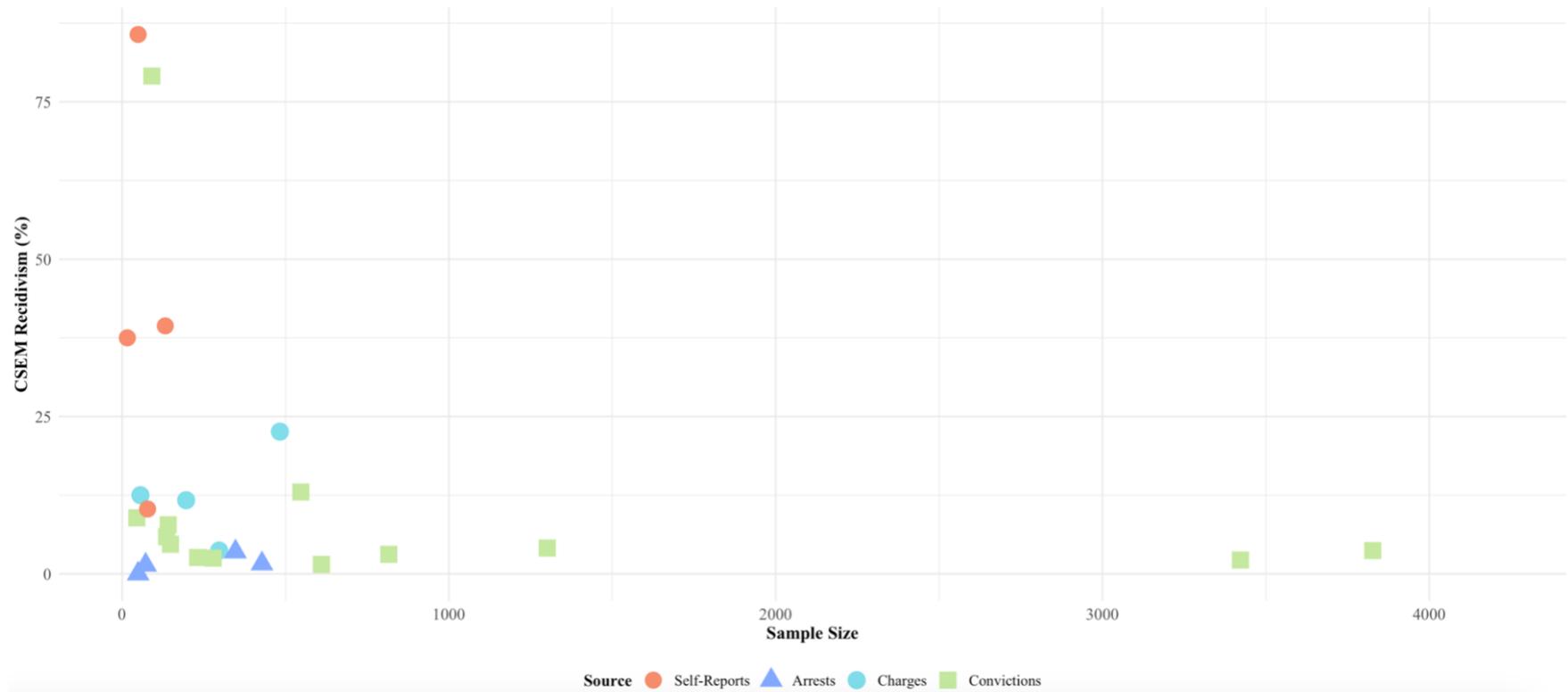
Note. CSEM = Child Sexual Exploitation Material.

Figure s7

Meta-Regression of Sexual Recidivism on Follow-up Time

Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses. Self-report samples ($k = 4$) were excluded from these analysis.

Figure s8

Sexual Recidivism by Subgroup with Sexual Offense History
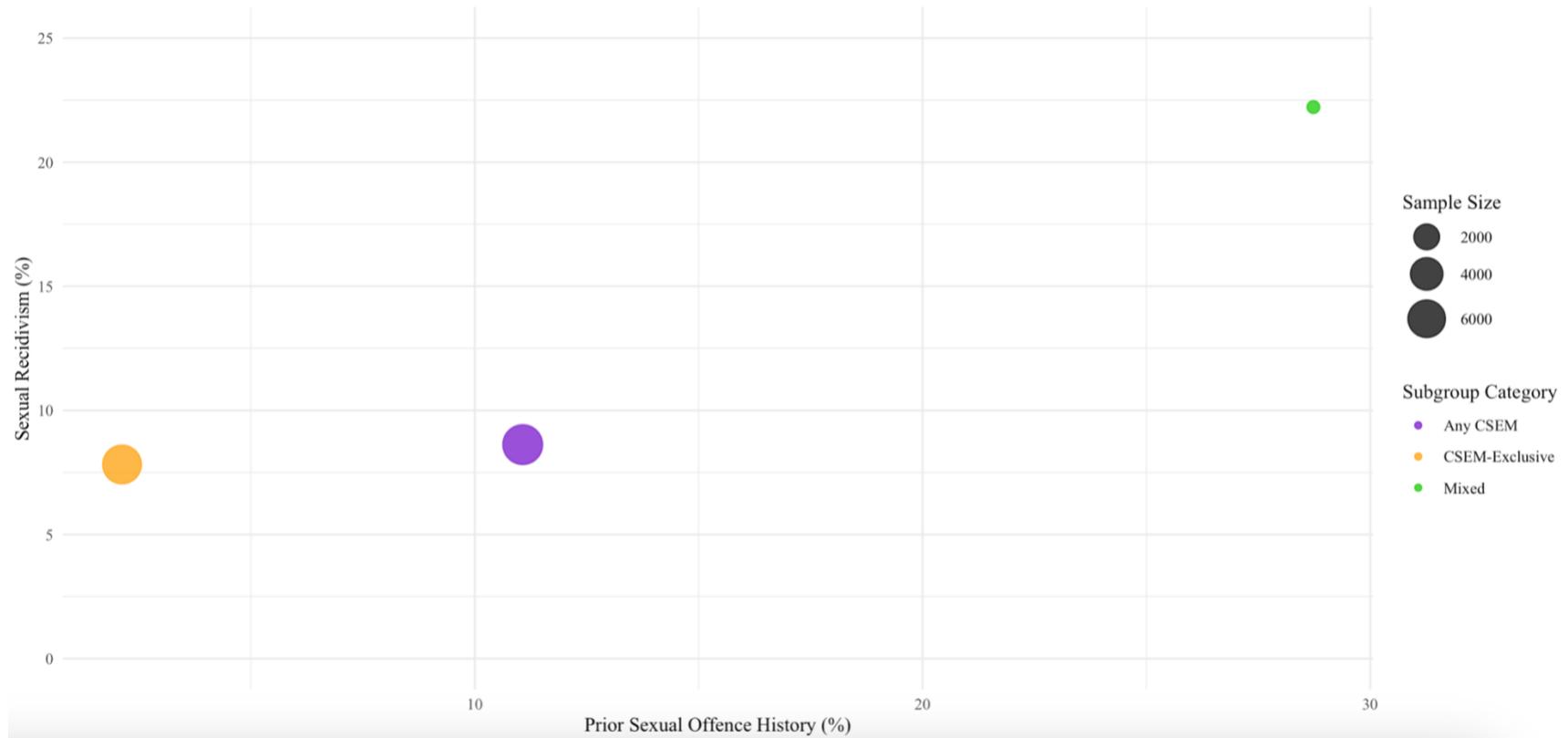
Note. Any CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses, CSEM-E = Child Sexual Exploitation Material-Exclusive (i.e., individuals with CSEM offenses but without any contact sexual offenses), Mixed = individuals with both CSEM and contact sexual offenses. Self-report samples (*k* = 4) were excluded from these analyses.
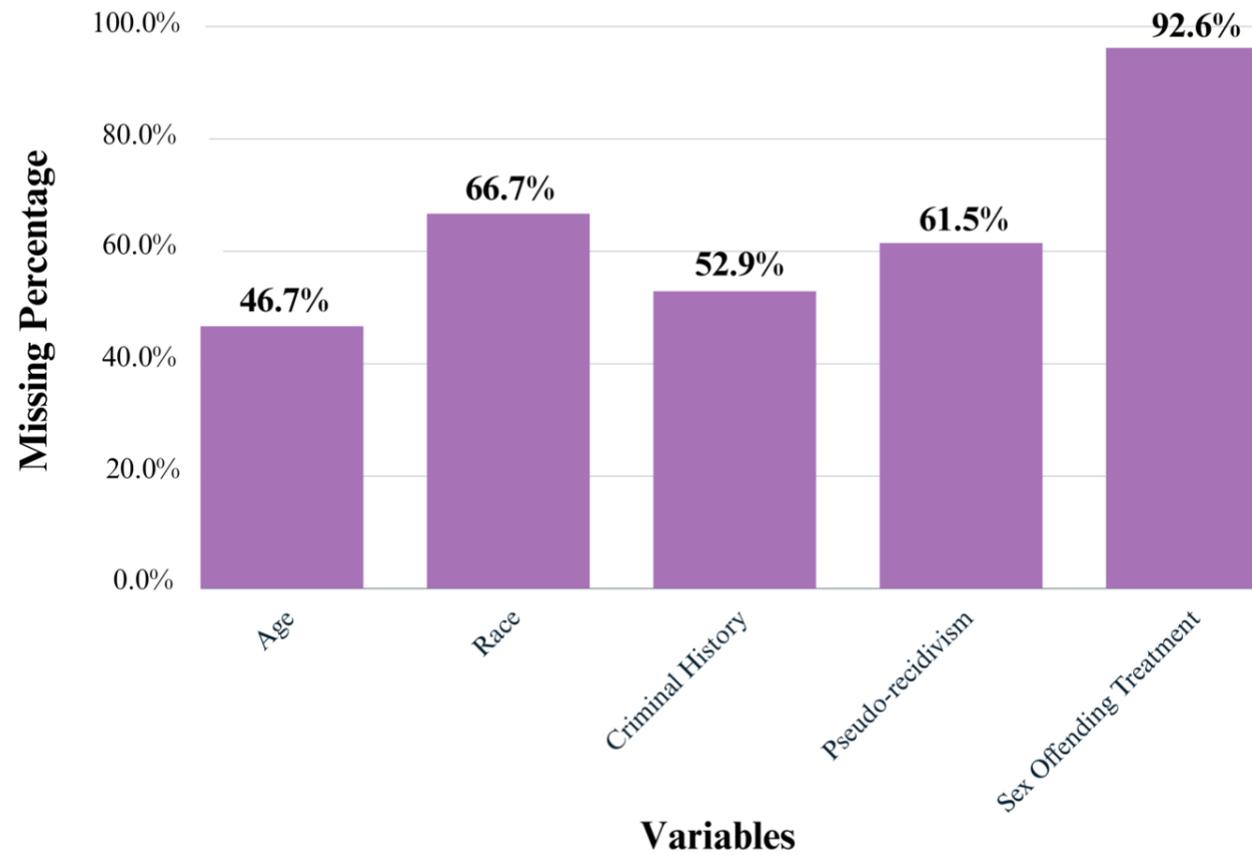
Table s10

CSEM-Exclusive Definition

	Study	CSEM-E definition included other non-contact sexual offenses (Y/N)
1	Babchishin et al. (2023)	Y
2	Beier et al. (2015)	-
4.1	Cohen & Spidell (2016)	-
5	Dowling et al. (2021)	Y
6.1	Eke et al. (2019) <u>Development</u>	N
7.1	Eke et al. (2024) <u>Validation</u>	N
9	Emeagi et al. (2024)	Y
10.1	Faust et al. (2015)	Y
11	Franqué et al. (2023)	-
12	Ghossoub & Khoury (2020)	N
13.1	Goller et al. (2016)	-
15.1	Howard et al. (2014)	Y
16	Howell (2018)	-
17	Jung et al. (2013)	N
18	Krone & Smith (2017)	N
21	Paquette et al. (unpublished data)	Y
22	Pilon (2016)	-
23	Savoie et al. (2022)	Y
25.1	Soldino et al. (2021)	Y
29	Wild et al. (2020)	-
30	Wollert et al. (2009)	-

Note. CSEM = overall group of individuals with Child Sexual Exploitation Material (CSEM) offenses. Dashes (-) indicate unclear definition.

Figure s9

Key Elements Missing in Recidivism Studies

Note. Self-report samples ($k = 4$) were excluded from these analyses.