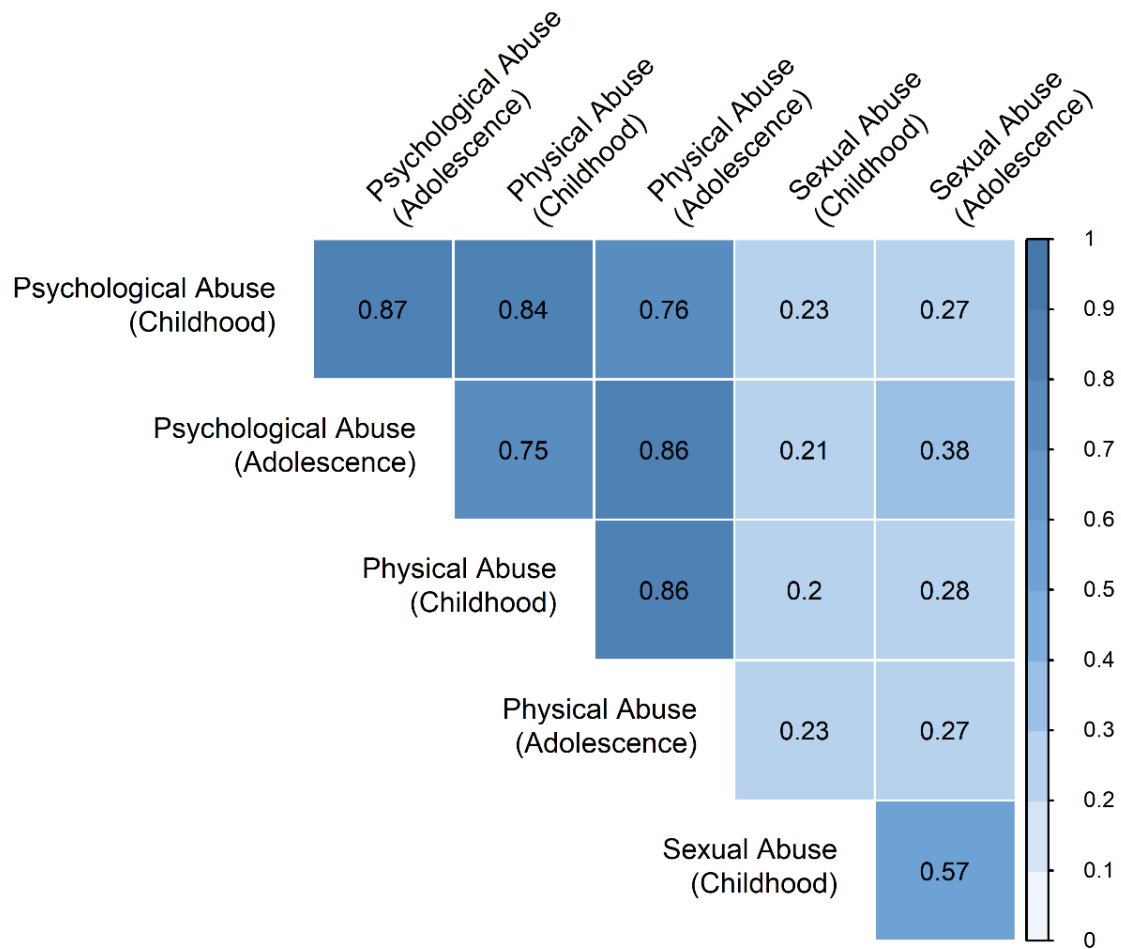


Supplementary Figure 1 Tetrachoric correlation matrix of physical, psychological, and sexual abuse occurring in either childhood or adolescence



Note. Based on $N = 3497$. All $ps < .001$. Darker colors represent larger correlation coefficients.

Supplementary Table 1 Associations between indicators used to derive the inverse probability weights and inclusion in the analysis sample of ‘any abuse’

Sociodemographic and parental factors in pregnancy	In analysis sample % (n)	Not in analysis sample % (n)	OR (95% CI)	p-value
	(N = 3172)	(N = 7476)		
Child sex				
Female	64.1% (2034)	42.0% (3140)	0.41 (0.37-0.44)	< .001
Maternal education				
No high school	16.5% (522)	28.7% (2143)	Reference	
High school	33.7% (1070)	34.2% (2556)	0.58 (0.52-0.66)	< .001
Beyond high school	49.8% (1580)	37.1% (2777)	0.43 (0.38-0.48)	
Maternal smoking				
Yes	15.1% (479)	24.2% (1807)	1.79 (1.60-2.01)	< .001
Housing tenure				
Other ^a	13.8% (438)	23.9% (1787)	1.96 (1.75-2.20)	< .001

Note. ^a Reference is ‘mortgaged/owned’. Outcome coded as 0 ‘in analysis sample’ and 1 ‘not in analysis sample’.

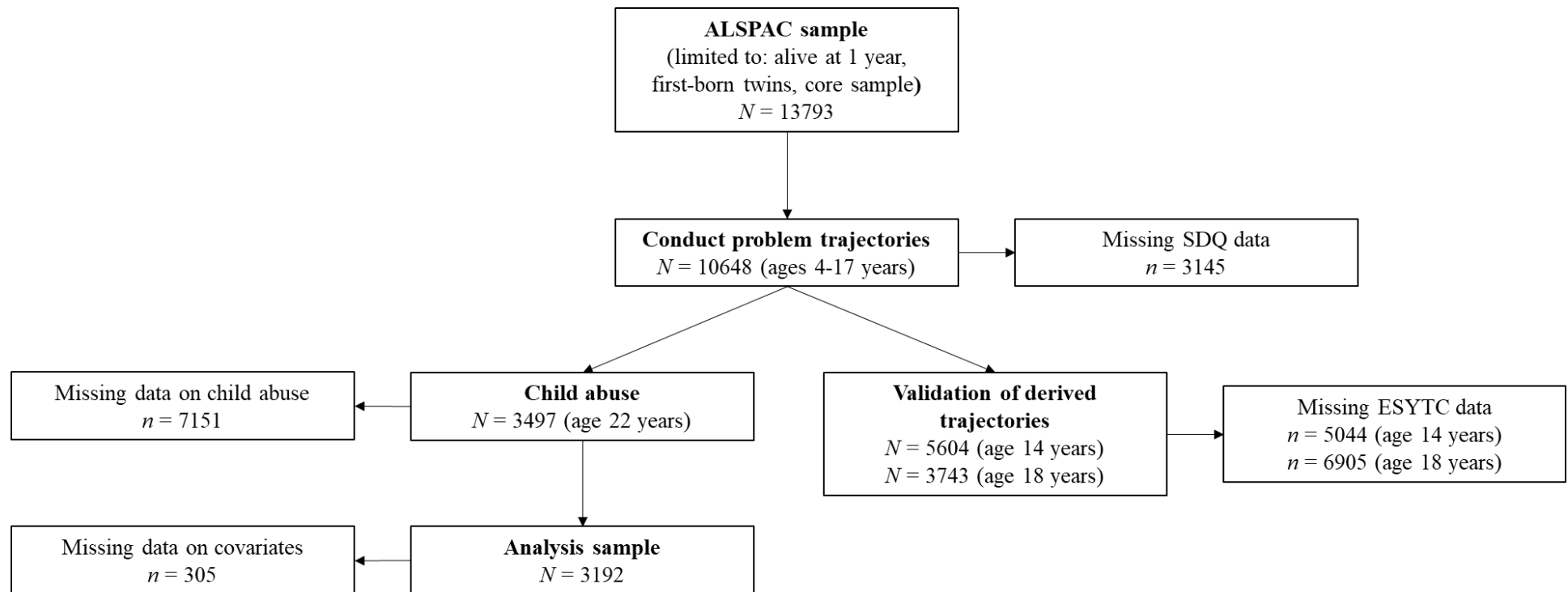
Measures assessed in pregnancy (child sex, maternal education, maternal smoking, and housing tenure) that were independently predictive of child abuse exposure, conduct problem trajectories, or missingness in the analysis sample were selected as inverse probability weighting (IPW) indicators. Due to slightly varying attrition rates across child abuse variables, we looked at missingness in each group separately, resulting in four missingness models (i.e., different weights for any, physical, psychological, and sexual abuse). Missing data on IPW indicators were singly imputed as the mode value (all indicators had < 7% of values missing, except maternal education with 11.1% of values missing). The Hosmer-Lemeshow test was used to assess model fit of the missingness models, with results showing no indication of poor fit (*p*-values ranging between .19 and .36). Weights ranged from 1.9 to 13.3. Due to almost identical values across missingness models, only associations between IPW indicators and inclusion in the analysis sample for ‘any abuse’ are shown in Table 1.

Supplementary Table 2 Descriptive statistics and group comparisons between participants with class membership information ($N = 10648$) and with and without complete data on measures of child abuse and covariates ($N = 3172$)

	In analysis sample ($N = 3172$)		Not in analysis sample ($N = 7476$)		Group comparison	Effect size
	Mean (SD) or %	N	Mean (SD) or %	N	$t(\text{df})$ or $\chi^2(\text{df})$	r or (95% CI)
Conduct problems^a						
Age 4	0.37 (0.27)	2919	0.40 (0.29)	6355	$t(5920.2) = 5.91, p < .001$	0.08
Age 7	0.29 (0.28)	2802	0.33 (0.29)	5287	$t(6020.9) = 6.33, p < .001$	0.08
Age 8	0.27 (0.27)	2721	0.31 (0.30)	4637	$t(6026.5) = 6.53, p < .001$	0.08
Age 10	0.22 (0.26)	2701	0.26 (0.28)	4531	$t(6051.1) = 6.04, p < .001$	0.08
Age 12	0.20 (0.25)	2631	0.25 (0.29)	3996	$t(6125.7) = 7.27, p < .001$	0.09
Age 13	0.21 (0.25)	2608	0.26 (0.28)	3799	$t(6006.2) = 6.69, p < .001$	0.09
Age 17	0.16 (0.23)	2378	0.21 (0.26)	2687	$t(5061.9) = 6.54, p < .001$	0.09
Class proportions^b						
EOP	3.5	110	5.3	396	$\chi^2(1) = 16.46, p < .001$	1.56 (1.25 – 1.95)
AO	4.5	144	4.5	336	$\chi^2(1) = 0.01, p = .92$	0.99 (0.81 – 1.22)
CL	13.5	428	16.3	1215	$\chi^2(1) = 12.99, p < .01$	1.24 (1.10 – 1.40)
Low	78.5	2490	74.0	5529	$\chi^2(1) = 24.72, p < .001$	0.78 (0.70 – 0.86)
Male	35.9	1138	58.0	4336	$\chi^2(1) = 436.32, p < .001$	2.47 (2.26 – 2.69)

Note. ^a Assessed with the Strengths and Difficulties Questionnaire conduct problems subscale. ^b Based on most likely latent class membership. SD = Standard deviation; df = Degrees of freedom; r = Correlation coefficient; OR = Odds ratio; CI = Confidence interval; EOP = Early-onset persistent; AO = Adolescence-onset; CL = Childhood-limited.

Supplementary Figure 2 Retention flow chart across measures/analyses



Note. SDQ = Strengths and Difficulties Questionnaire; ESYTC = Edinburgh Study of Youth Transition and Crime.

Supplementary Table 3 Validation of conduct problem classes against an independent measure of self-reported antisocial behavior

ESYTC				
	Age 14 (N = 5604)		Age 18 (N = 3743)	
	OR	95% CI	OR	95% CI
Low ^a				
CL	1.55	1.19-2.01	1.58	1.03-2.44
AO	2.85	1.87-4.33	1.85	1.00-3.42
EOP	2.56	1.77-3.69	1.89	1.11-3.21
CL ^a				
AO	1.65	1.03-2.66	1.17	0.51-2.67
EOP	1.84	1.07-3.16	1.19	0.59-2.43

Note. Bold values indicate statistically significant associations. ^a Reference group. Key: ESYTC = Edinburgh Study of Youth Transitions and Crime; AO = Adolescence-onset; CI = Confidence interval; CL = Childhood-limited; EOP = Early-onset persistent; OR = Multinomial odds ratio.