

Table S1. Individual survey sample characteristics.

Country	Study location	Stratification for sampling	Dates	Age Range (years)	Final sample ^d (n)	Compliance ^e	Deprivation Measure	Reference
England	North West England	Blackburn with Darwen Local Authority ^a	2012 (Aug-Sep)	18-70 ^c	1500	70.4%	IMD 2010	[1]
England	National sample	English Administrative Regions (n=10) ^b	2013 (Apr-Jul)	18-69	4010	53.5%	IMD 2010	[2]
England	South of England	Luton, Hertfordshire Northamptonshire (n=3)	2015 (Jun-Sep)	18-69	5623	55.8%	IMD 2011	[3]
Wales	National sample	Welsh Health Regions (n=7)	2015 (Feb-May)	18-69	2028	49.1%	WIMD 2014	[4]

^aNo sub-regional stratification was undertaken in Blackburn with Darwen due to the relatively small size of the sample area. ^bLondon was split into Inner and Outer London for regional sampling. ^cIndividuals aged 70 years were excluded from the final sample (see methods). IMD = Index of Multiple Deprivation; WIMD = Welsh Index of Multiple Deprivation. ^dSample sizes were determined for each study area in order to ensure, for analytical purposes, adequate representation of individuals with higher ACE counts. ^eIndividuals not completing all questions on variables of interest were excluded.

References

- (1) Bellis, M.A., Lowey, H., Leckenby, N., Hughes, K., Harrison, D. Adverse childhood experiences: retrospective study to determine their impact on adult health behaviours and health outcomes in a UK population, *J Public Health*, 2014, 36 (1), 81–91.
- (2) Bellis, M. A.; Hughes, K.; Leckenby, N.; Hardcastle, K. A.; Perkins, C.; Lowey, H. Measuring mortality and the burden of adult disease associated with adverse childhood experiences in England: a national survey. *J Public Health*, 2015, 37 (3), 445–454.
- (3) Ford K, Butler N, Hughes K, Bellis MA. Adverse childhood experiences (ACEs) in Herfordshire, Luton and Northamptonshire. Liverpool: Liverpool John Moores University, 2016.
- (4) Bellis, M.A., Ashton, K., Hughes, K., Ford, K., Bishop, J., Paranjothy, S. Adverse childhood experiences and their impact on health-harming behaviours in the Welsh adult population. Cardiff: Public Health Wales, 2015.

Table S2. Adverse childhood experiences, born to a teenage mother and sexual health outcomes.

ACE questions. All ACE questions were preceded by the statement “While you were growing up, before the age of 18...”		
ACE	Question	Qualifying response
<i>Physical abuse</i>	How often did a parent or adult in your home ever hit, beat, kick, or physically hurt you in any way? This does not include gentle smacking for punishment?	Once or more than once
<i>Verbal abuse</i>	How often did a parent or adult in your home ever swear at you, insult you, or put you down?	More than once
<i>Sexual abuse</i>	How often did anyone at least 5 years older than you (including adults) ever touch you sexually? How often did anyone at least 5 years older than you (including adults) try to make you touch them sexually? How often did anyone at least 5 years older than you (including adults) force you to have any type of sexual intercourse (oral, anal, or vaginal)?	Once or more than once to any of the questions
<i>Parental separation</i>	Were your parents ever separated or divorced?	Yes
<i>Domestic violence</i>	How often did your parents or adults in your home ever slap, hit, kick, punch, or beat each other up?	Once or more than once
<i>Mental illness</i>	Did you live with anyone who was depressed, mentally ill, or suicidal?	Yes
<i>Alcohol abuse</i>	Did you live with anyone who was a problem drinker or alcoholic?	Yes
<i>Drug abuse</i>	Did you live with anyone who used illegal street drugs or who abused prescription medications?	Yes
<i>Incarceration</i>	Did you live with anyone who served time or was sentenced to serve time in a prison or young offenders' institution?	Yes
Teenage mother		
<i>Born to teenage mother</i>	Approximately how old was your mother when you were born? (age years)	Aged 18 or less
Sexual health outcomes		