

Data Supplement for Adult Health Outcomes of Childhood Bullying Victimization: Evidence From A 5-Decade Longitudinal British Cohort

Table S1. Participation rates in NCDS according to childhood bullying victimization.

Been bullied	Age 7 &11		Age 23		Age 45		Age 50	
	N	%	N	%	N	%	N	%
Never	9233	57.9	6850	57.7	5215	58.5	5450	58.7
Occasionally	4411	27.7	3276	27.6	2426	27.2	2537	27.3
Frequently	2302	14.4	1744	14.7	1274	14.3	1300	14.0
Missing	-	-	667	-	462	-	503	-

Table S2. Being bullied in childhood and adult health outcomes

Adult health outcomes	Bullied at age 7 & 11					
	Never (N=4557)		Occasionally (N=2128)		Frequently (N=1086)	
	Mean	SD	Mean	SD	Mean	SD
Psychological distress at age 23	1.07	1.46	1.34	1.56	1.52	1.76
Psychological distress at age 50	1.35	1.86	1.65	2.00	1.76	2.15
	N	%	N	%	N	%
Psychiatric outcomes at age 45						
Depression or anxiety disorders	287	5.8	159	7.0	109	9.4
Depression	91	1.6	57	2.7	32	3.0
Any anxiety disorders	225	4.6	120	5.2	85	7.2
Suicidality	86	1.8	52	2.5	42	3.7
Alcohol dependence	321	6.9	136	6.7	65	5.9
	Mean	SD	Mean	SD	Mean	SD
General health at age 23 (z-score)	-0.10	0.94	0.05	1.02	0.10	1.03
General health at age 50 (z-score)	-0.07	0.98	0.08	1.00	0.20	1.01
Cognitive functioning at age 50	5.42	2.00	5.17	2.10	5.00	2.04

Abbreviations: SD, standard deviation.

Notes: We reported unweighted n, but weighted %, mean and standard deviation.

All estimates of associations controlled for gender.

Table S3. Association between being bullied in childhood and adult mental health outcomes controlling for all confounders separately

		Controlling for									
		Childhood IQ		Parents social class		Low parental involvement		Internalizing problems		Externalizing problems	
		OR	(95%CI)	OR	(95%CI)	OR	(95%CI)	OR	(95%CI)	OR	(95%CI)
Psychological distress at age 23											
Bullied	Occasionally	1.43	(1.28, 1.58)	1.48	(1.33, 1.64)	1.45	(1.30, 1.60)	1.46	(1.32, 1.62)	1.49	(1.34, 1.65)
	Frequently	1.66	(1.45, 1.89)	1.76	(1.54, 2.01)	1.70	(1.49, 1.95)	1.72	(1.50, 1.96)	1.75	(1.54, 2.00)
Gender		3.11	(2.83, 3.41)	2.88	(2.63, 3.16)	2.97	(2.71, 3.26)	3.00	(2.73, 3.29)	3.08	(2.81, 3.38)
Confounders		0.98	(0.97, 0.98)	1.19	(1.14, 1.24)	1.23	(1.19, 1.27)	1.22	(1.15, 1.28)	1.25	(1.19, 1.31)
Psychological distress at age 50											
Bullied	Occasionally	1.35	(1.22, 1.49)	1.38	(1.25, 1.53)	1.36	(1.23, 1.51)	1.36	(1.23, 1.51)	1.38	(1.24, 1.53)
	Frequently	1.41	(1.23, 1.61)	1.47	(1.28, 1.68)	1.43	(1.25, 1.63)	1.44	(1.26, 1.64)	1.46	(1.28, 1.67)
Gender		1.90	(1.73, 2.07)	1.82	(1.67, 1.99)	1.84	(1.68, 2.01)	1.86	(1.70, 2.04)	1.89	(1.72, 2.06)
Confounders		0.99	(0.98, 0.99)	1.08	(1.04, 1.12)	1.11	(1.08, 1.15)	1.13	(1.07, 1.19)	1.13	(1.07, 1.18)
Depression or anxiety disorders at age 45											
Bullied	Occasionally	1.18	(0.94, 1.47)	1.23	(0.99, 1.53)	1.20	(0.97, 1.50)	1.19	(0.96, 1.49)	1.22	(0.98, 1.52)
	Frequently	1.59	(1.24, 2.04)	1.71	(1.34, 2.19)	1.65	(1.29, 2.12)	1.61	(1.25, 2.07)	1.69	(1.32, 2.17)
Gender		1.71	(1.41, 2.07)	1.61	(1.33, 1.95)	1.63	(1.35, 1.98)	1.71	(1.41, 2.07)	1.70	(1.40, 2.06)
Confounders		0.98	(0.97, 0.98)	1.13	(1.03, 1.24)	1.15	(1.08, 1.22)	1.35	(1.23, 1.49)	1.19	(1.09, 1.30)
Depression at age 45											
Bullied	Occasionally	1.61	(1.12, 2.33)	1.70	(1.18, 2.45)	1.63	(1.14, 2.34)	1.63	(1.13, 2.35)	1.68	(1.17, 2.42)
	Frequently	1.76	(1.15, 2.71)	1.93	(1.25, 2.96)	1.80	(1.17, 2.78)	1.77	(1.15, 2.72)	1.88	(1.22, 2.89)
Gender		1.97	(1.41, 2.76)	1.88	(1.34, 2.63)	1.90	(1.36, 2.67)	1.99	(1.42, 2.78)	1.97	(1.40, 2.79)
Confounders		0.98	(0.97, 0.99)	1.05	(0.90, 1.24)	1.19	(1.08, 1.32)	1.38	(1.17, 1.63)	1.19	(1.02, 1.38)

Any anxiety disorders at age 45

Bullied	Occasionally	1.08	(0.84, 1.39)	1.12	(0.87, 1.44)	1.10	(0.86, 1.42)	1.10	(0.85, 1.41)	1.12	(0.87, 1.44)
	Frequently	1.50	(1.13, 1.98)	1.61	(1.21, 2.12)	1.56	(1.18, 2.07)	1.52	(1.15, 2.02)	1.60	(1.21, 2.11)
Gender		1.58	(1.27, 1.96)	1.49	(1.20, 1.85)	1.51	(1.22, 1.87)	1.57	(1.26, 1.95)	1.56	(1.26, 1.95)
Confounders		0.98	(0.97, 0.98)	1.15	(1.04, 1.28)	1.14	(1.07, 1.22)	1.32	(1.18, 1.46)	1.18	(1.06, 1.30)

Suicidality at age 45

Bullied	Occasionally	1.30	(0.89, 1.92)	1.40	(0.95, 2.05)	1.33	(0.91, 1.96)	1.35	(0.92, 1.98)	1.40	(0.95, 2.05)
	Frequently	1.85	(1.22, 2.81)	2.09	(1.39, 3.15)	1.94	(1.29, 2.93)	1.91	(1.26, 2.99)	2.08	(1.38, 3.13)
Gender		1.70	(1.22, 2.37)	1.54	(1.11, 2.15)	1.59	(1.14, 2.22)	1.68	(1.20, 2.34)	1.68	(1.20, 2.37)
Confounders		0.96	(0.95, 0.97)	1.33	(1.13, 1.56)	1.31	(1.19, 1.43)	1.61	(1.38, 1.89)	1.31	(1.12, 1.53)

Abbreviations: OR, Odds Ratio; 95%CI, 95% Confidence Interval.

Significant findings are reported in bold