Supplementary Information

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Multidimensional Child Deprivation in Ireland: A New Child Rights-Informed Approach

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Appendix A

Distribution of Independent Variables Used in Logistic Regression

	Age 9	Age 13
Variable	Percent (%)	Percent (%)
Equivalised Net Household Income Quintile		
1st	17.04	17.41
2nd	19.55	18.23
3rd	18.52	18.05
4th	18.27	17.86
5th	17.11	18.15
Missing	9.52	10.3
Child's Gender		
Male	50.71	50.71
Female	49.29	49.29
Mother's age group		
20-39 Years	42.66	19.8
40-49 Years	53.75	62.1
50 Years or Older	3.58	18.1
Family status		
Couple family	83.97	83.43
Lone parent family	16.03	16.57
Mother's highest educational level		
School	27.22	25.92
Higher Education	55.11	55.83
Postgraduate	17.67	18.25
Mother's employment status		
Employed	61.96	72.4
Not in Work	36.53	26.79
Studying/Training	1.52	0.81

Note: N=5,442. Results are weighted using the longitudinal survey weight provided with GUI data. Data was collected in 2017/18 for children at age 9 and 2021/22 for children at age 13.
Data: Growing Up in Ireland Survey '08 Cohort, 2017/18 (Wave 5) and 2021/22 (Wave 6).

Appendix B

Coefficients from logistic regression of multidimensional deprivation status on income quintile.

	(1)		(2)	
	Age 9	Age 13	Age 9	Age 13
Income quintile (ref: 5th quintile)				
1st	1.21***	1.02***	0.59**	0.54**
2nd	0.91***	0.97***	0.46**	0.56***
3rd	0.64***	0.80***	0.33*	0.49**
4th	0.47**	0.57***	0.29	0.41**
Missing	0.59**	0.52**	0.29	0.29
Child's gender (ref: Male)				
Female			-0.13	0.23*
Mother's age group (ref: 50 or older)				
20-39 years			0.42	0.86***
40-49 years			-0.13	0.25*
Family status (ref: Couple family)				
Lone parent family			0.45**	0.30*
Mother's highest educational level (ref: Postgraduate)				
School			1.20***	1.16***
Higher Education			0.46***	0.69***
Mother's employment status (ref: Employed)				
Studying/Training			0	0.48
Not in work			-0.13	-0.25*
Constant	-1.74***	-1.59***	-2.14***	-2.49***
N	5,442	5,442	5,442	5,442

Note: * $p<0.05$, ** $p<0.01$, *** $p<0.001$. Note that these coefficients are not comparable in magnitude between models due to the rescaling effect associated with adding predictors to logistic probability models. The dependent variable in logistic regression (1) without controls and (2) with controls is a binary indicator variable for multidimensional deprivation status. In income quintile, "*1st*" denotes the lowest equivalised income quintile. Reference categories for independent variables are included in brackets. Results are weighted using the longitudinal survey weight provided with GUI data. Data was collected in 2017/18 for children at age 9 and 2021/22 for children at age 13.
Data: Growing Up in Ireland Survey '08 Cohort, 2017/18 (Wave 5) and 2021/22 (Wave 6).