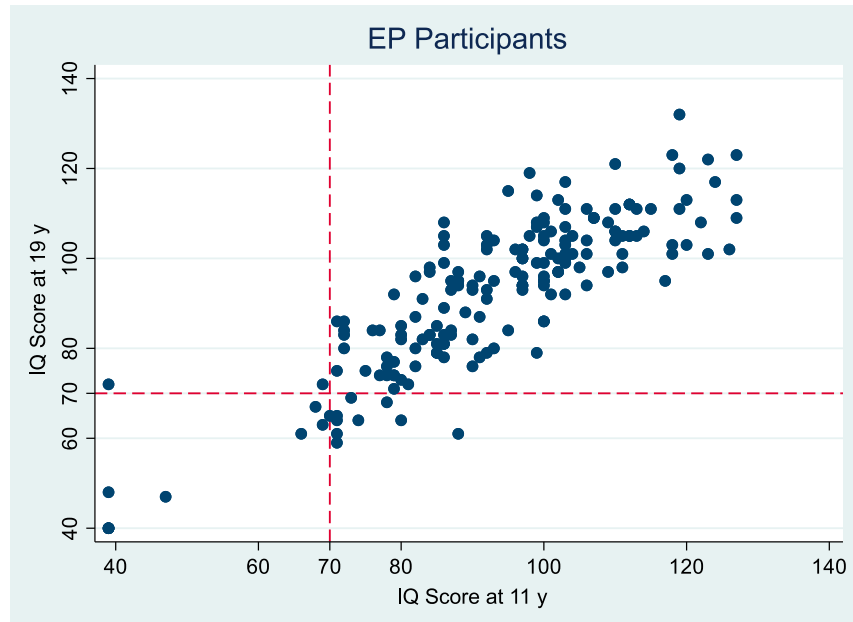


Supplemental Information



SUPPLEMENTAL FIGURE 3

A scatterplot of IQ for the total 119 EP participants assessed at 11 and 19 years.

SUPPLEMENTAL TABLE 4 Regression Models Examining Predictors of Beery Visuomotor Integration Score at 19 Years

	Unadjusted Model		Adjusted for Sex and SES	
	Beta (95% CI)	<i>P</i>	Beta (95% CI)	<i>P</i>
All participants				
NEPSY visuospatial core domain score at 6 y	0.58 (0.46 to 0.71)	<.001	0.57 (0.44 to 0.70)	<.001
NEPSY visuospatial core domain score at 11 y	0.56 (0.48 to 0.65)	<.001	0.56 (0.47 to 0.64)	<.001
EP participants alone				
NEPSY visuospatial core domain score at 6 y	0.62 (0.41 to 0.84)	<.001	0.61 (0.37 to 0.84)	<.001
NEPSY visuospatial core domain score at 11 y	0.62 (0.50 to 0.73)	<.001	0.61 (0.49 to 0.74)	<.001
Controls alone				
NEPSY visuospatial core domain score at 6 y	0.37 (0.14 to 0.59)	.002	0.43 (0.18 to 0.67)	.001
NEPSY visuospatial core domain score at 11 y	0.25 (0.10 to 0.40)	.002	0.26 (0.11 to 0.41)	.001

SUPPLEMENTAL TABLE 3 Sample Characteristics of EP Participants and Term-Born Controls Assessed and Not Assessed at 19 Years of Age

Variable	EP Assessed		EP ^a Not Assessed		Difference EP Assessed Versus Not Assessed		Controls Assessed		Controls ^b Not Assessed		Difference Controls Assessed Versus Not Assessed		Difference EP Versus Controls Assessed	
	<i>N</i> = 129	<i>N</i> = 177	<i>N</i> = 177	<i>N</i> = 129	<i>P</i> ^c	<i>N</i> = 65	<i>N</i> = 88	<i>P</i> ^c	<i>N</i> = 65	<i>N</i> = 88	<i>P</i> ^c	<i>N</i> = 65	<i>N</i> = 88	<i>P</i> ^c
Characteristics at 19 y														
Age at 19 y assessment, <i>y</i> , mean (SD)	19.3 (0.6), <i>n</i> = 129	—	—	19.2 (0.5), <i>n</i> = 65	—	19.2 (0.5), <i>n</i> = 65	—	—	—	—	—	—	—	.162
Male sex, <i>n</i> of <i>N</i> (%)	61 of 129 (47.3)	87 of 177 (49.2)	87 of 177 (49.2)	25 of 65 (38.5)	.747	25 of 65 (38.5)	39 of 88 (44.3)	.440	25 of 65 (38.5)	39 of 88 (44.3)	.440	25 of 65 (38.5)	39 of 88 (44.3)	.243
Gestational age, wk, <i>n</i> of <i>N</i> (%)														
22 wk	2 of 129 (1.6)	0 of 177 (0.0)	0 of 177 (0.0)	—	.280	—	—	—	—	—	—	—	—	—
23 wk	13 of 129 (10.1)	13 of 177 (7.3)	13 of 177 (7.3)	—	—	—	—	—	—	—	—	—	—	—
24 wk	37 of 129 (28.7)	60 of 177 (33.9)	60 of 177 (33.9)	—	—	—	—	—	—	—	—	—	—	—
25 wk	77 of 129 (59.7)	104 of 177 (58.8)	104 of 177 (58.8)	—	—	—	—	—	—	—	—	—	—	—
Birth wt, <i>g</i> , mean (SD)	740.8 (121.9), <i>n</i> = 129	751.4 (108.9), <i>n</i> = 177	751.4 (108.9), <i>n</i> = 177	—	.422	—	—	—	—	—	—	—	—	—
Parent SES category at 19 y, ^d <i>n</i> of <i>N</i> (%)														
Higher professional and/or managerial	69 of 125 (55.2)	—	—	39 of 64 (60.9)	—	39 of 64 (60.9)	—	—	—	—	—	—	—	.322
Intermediate occupations	22 of 125 (17.6)	—	—	15 of 64 (23.4)	—	15 of 64 (23.4)	—	—	—	—	—	—	—	—
Routine and/or manual occupations	22 of 125 (17.6)	—	—	7 of 64 (10.9)	—	7 of 64 (10.9)	—	—	—	—	—	—	—	—
Other	12 of 125 (9.6)	—	—	3 of 64 (4.7)	—	3 of 64 (4.7)	—	—	—	—	—	—	—	—
Outcome data at 2.5 y														
Parent SES category, ^e <i>n</i> of <i>N</i> (%)														
Nonmanual	54 of 122 (44.3)	29 of 146 (19.9)	29 of 146 (19.9)	—	<.001	—	—	—	—	—	—	—	—	—
Manual	40 of 122 (32.8)	53 of 146 (36.3)	53 of 146 (36.3)	—	—	—	—	—	—	—	—	—	—	—
Unemployed	28 of 122 (23.0)	64 of 146 (43.8)	64 of 146 (43.8)	—	—	—	—	—	—	—	—	—	—	—
BSID-II MDI, mean (SD)	84.0 (13.0), <i>n</i> = 117	79.9 (15.1), <i>n</i> = 130	79.9 (15.1), <i>n</i> = 130	—	.022	—	—	—	—	—	—	—	—	—
BSID-II MDI <70, <i>n</i> of <i>N</i> (%)	15 of 117 (12.8)	27 of 130 (20.8)	27 of 130 (20.8)	—	.097	—	—	—	—	—	—	—	—	—
Neurodevelopmental disability, ^f <i>n</i> of <i>N</i> (%)	57 of 126 (45.2)	78 of 154 (50.6)	78 of 154 (50.6)	—	.367	—	—	—	—	—	—	—	—	—
Outcome data at 6 y														
Parent SES category, <i>n</i> of <i>N</i> (%)														
High	45 of 111 (40.6)	20 of 105 (19.0)	20 of 105 (19.0)	25 of 52 (48.1)	.003	25 of 52 (48.1)	13 of 53 (24.5)	.040	25 of 52 (48.1)	13 of 53 (24.5)	.040	25 of 52 (48.1)	13 of 53 (24.5)	.309
Middle	32 of 111 (28.8)	41 of 105 (39.0)	41 of 105 (39.0)	17 of 52 (32.7)	—	17 of 52 (32.7)	27 of 53 (51.0)	—	17 of 52 (32.7)	27 of 53 (51.0)	—	17 of 52 (32.7)	27 of 53 (51.0)	—
Low	34 of 111 (30.6)	44 of 105 (42.0)	44 of 105 (42.0)	10 of 52 (19.2)	—	10 of 52 (19.2)	13 of 53 (24.5)	—	10 of 52 (19.2)	13 of 53 (24.5)	—	10 of 52 (19.2)	13 of 53 (24.5)	—
KABC MPC, mean (SD)	85.6 (17.3), <i>n</i> = 122	79.1 (19.9), <i>n</i> = 117	79.1 (19.9), <i>n</i> = 117	108.4 (11.3), <i>n</i> = 54	.008	108.4 (11.3), <i>n</i> = 54	106.6 (11.5), <i>n</i> = 56	.426	108.4 (11.3), <i>n</i> = 54	106.6 (11.5), <i>n</i> = 56	.426	108.4 (11.3), <i>n</i> = 54	106.6 (11.5), <i>n</i> = 56	<.001
Intellectual disability (IQ <70), <i>n</i> of <i>N</i> (%)	16 of 122 (13.1)	32 of 117 (27.4)	32 of 117 (27.4)	0 of 54 (0.0)	.006	0 of 54 (0.0)	0 of 56 (0.0)	—	0 of 54 (0.0)	0 of 56 (0.0)	—	0 of 54 (0.0)	0 of 56 (0.0)	.005
Cognitive impairment, ^g <i>n</i> of <i>N</i> (%)	41 of 122 (33.6)	55 of 117 (47.0)	55 of 117 (47.0)	0 of 54 (0.0)	.035	0 of 54 (0.0)	1 of 56 (1.8)	1.000	0 of 54 (0.0)	1 of 56 (1.8)	1.000	0 of 54 (0.0)	1 of 56 (1.8)	<.001
Neurodevelopmental disability, ^h <i>n</i> of <i>N</i> (%)	44 of 122 (36.2)	56 of 117 (47.9)	56 of 117 (47.9)	0 of 54 (0.0)	.065	0 of 54 (0.0)	1 of 56 (1.8)	.324	0 of 54 (0.0)	1 of 56 (1.8)	.324	0 of 54 (0.0)	1 of 56 (1.8)	<.001
Outcome data at 11 y														
Parent SES category, ^d <i>n</i> of <i>N</i> (%)														
Professional and/or managerial	57 of 110 (51.8)	21 of 69 (30.4)	21 of 69 (30.4)	36 of 60 (60.0)	.002	36 of 60 (60.0)	41 of 78 (52.6)	.789	36 of 60 (60.0)	41 of 78 (52.6)	.789	36 of 60 (60.0)	41 of 78 (52.6)	.657
Intermediate occupations	27 of 110 (24.5)	17 of 69 (24.6)	17 of 69 (24.6)	10 of 60 (16.7)	—	10 of 60 (16.7)	13 of 78 (16.7)	—	10 of 60 (16.7)	13 of 78 (16.7)	—	10 of 60 (16.7)	13 of 78 (16.7)	—

SUPPLEMENTAL TABLE 3 Continued

Variable	EP Assessed		EP ^a Not Assessed		Difference EP Assessed Versus Not Assessed		Controls Assessed		Controls ^b Not Assessed		Difference Controls Assessed Versus Not Assessed		Difference EP Versus Controls Assessed	
	N = 129		N = 177		P ^c		N = 65		N = 88		P ^d		P ^e	
Routine and/or manual	24 of 110 (21.8)	22 of 69 (31.9)	13 of 60 (21.7)	22 of 78 (28.2)										
Other	2 of 110 (1.8)	9 of 69 (13.0)	1 of 60 (1.7)	2 of 78 (2.6)										
KABC MPC, mean (SD)	86.3 (16.2), n = 121	80.8 (19.3), n = 95	105.7 (11.2), n = 65	102.9 (10.9), n = 88	.028					.111				<.001
Intellectual disability (IQ <70), n of N (%)	10 of 121 (8.3)	19 of 95 (20.0)	0 of 65 (0.0)	0 of 88 (0.0)	.012					—				.017
Cognitive impairment, ^g n of N (%)	42 of 121 (34.7)	44 of 97 (45.4)	0 of 65 (0.0)	2 of 88 (2.3)	.110					.508				<.001
Neurodevelopmental disability, ^h n of N (%)	50 of 121 (41.3)	47 of 97 (48.5)	0 of 65 (0.0)	2 of 88 (2.3)	.292					.508				<.001

BSID-II MDI, *Bayley Scales of Infant Development, Second Edition*, Mental Development Index; KABC MPC, Kaufman Assessment Battery for Children, Mental Processing Composite; —, not applicable.

^a Denominator: N = 306 survivors at 19 y.

^b Denominator: N = 153 controls assessed at 11 y.

^c Two-sided P values were calculated by using a χ^2 test for categorical variables and a t test for continuous variables.

^d SES category classified by using the UK Office for National Statistics' Socioeconomic Classification system: (1) high: higher managerial, administrative, and professional occupation; (2) medium: intermediate occupation; (3) low: routine and manual occupation; and (4) other. For participants with missing SES data at 19 y, data collected at 11 y of age were used to minimize data loss.

^e SES classified by using parent occupation.

^f Neurodevelopmental disability classified as ≥ 1 of cognitive, vision, motor, or hearing impairment; cognitive impairment BSID-II MDI <70.

^g Cognitive impairment classified as a score >2 SD below the mean score of the term controls.

^h Neurodevelopmental disability classified as ≥ 1 of cognitive (see footnote "g"), vision, motor, or hearing impairment.