

Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Distributions of offspring age at diagnosis in the cohort

Age (years)	N	%
0	7558	13.41
1	6965	12.36
2	6349	11.27
3	5618	9.97
4	4752	8.43
5	4311	7.65
6	3856	6.84
7	3574	6.34
8	3120	5.54
9	2679	4.76
10	2257	4.01
11	1858	3.30
12	1448	2.57
13	1063	1.89
14	932	1.65

eTable 2. Mean (SD) age of children at diagnosis by outcome group

	Mean	Standard Deviation
Speech/Language	4.43	1.67
Scholastic	7.73	2.38
Motor	3.55	2.67

*Speech/language : F80, includes specific speech articulation disorder, expressive language disorder, receptive language disorder, acquired aphasia, other developmental disorders of speech and language, developmental disorder of speech and language; Scholastic: F81, specific reading disorder, specific spelling disorder, specific disorder of arithmetical skills, mixed disorder of scholastic skills, other developmental disorders of scholastic skills, developmental disorder of scholastic skills, unspecified; Motor: F82. The specific motor function disorders include marked neurodevelopmental immaturities such as choreiform movements of unsupported limbs or mirror movements and other associated motor features, as well as signs of impaired fine and gross motor coordination. All types of motor disorders were included except for those with specific congenital or acquired neurological disorder or co-morbid intellectual disability or autism spectrum disorder.

eTable 3. Frequencies and percentages of children with speech/language, scholastic, and motor disorders by exposure group

	SSRI-Exposed Group N =15,596		Unmedicated Group N = 9,537		Unexposed Group N = 31,207	
	N	%	N	%	N	%
Speech/Language	253	1.62	176	1.85	325	1.04
Scholastic	58	0.37	53	0.56	62	0.20
Motor	103	0.66	55	0.58	99	0.32

*Speech/language : F80, includes specific speech articulation disorder, expressive language disorder, receptive language disorder, acquired aphasia, other developmental disorders of speech and language, developmental disorder of speech and language; Scholastic: F81, specific reading disorder, specific spelling disorder, specific disorder of arithmetical skills, mixed disorder of scholastic skills, other developmental disorders of scholastic skills, developmental disorder of scholastic skills, unspecified; Motor: F82. The specific motor function disorders include marked neurodevelopmental immaturities such as choreiform movements of unsupported limbs or mirror movements and other associated motor features, as well as signs of impaired fine and gross motor coordination. All types of motor disorders were included except for those with specific congenital or acquired neurological disorder or co-morbid intellectual disability or autism spectrum disorder.

eTable 4. Maternal SSRI use and maternal diagnosis of psychiatric disorders without medication in relation to risk of speech/language, scholastic, and motor disorders among offspring by sex

	SSRI-Exposed vs Unmedicated		SSRI-Exposed vs. Unexposed		Unmedicated vs Unexposed	
	HR (95 % CI)	P	HR (95 % CI)	P	HR (95 % CI)	P
Males						
Speech/Language						
Unadjusted	1.05 (0.84-1.32)	0.67	1.57 (1.30-1.91)	<0.001	1.50 (1.21-1.86)	<0.001
Adjusted ^a	1.16 (0.90-1.49)	0.25	1.59 (1.27-1.99)	<0.001	1.37 (1.07-1.75)	0.01
Scholastic						
Unadjusted	0.99 (0.63-1.54)	0.95	1.89 (1.23-2.90)	0.004	1.92 (1.23-2.98)	0.004
Adjusted ^a	1.17 (0.67-2.05)	0.58	1.22 (0.71-2.10)	0.48	1.04 (0.59-1.83)	0.89
Motor						
Unadjusted	1.53 (1.01-2.31)	0.04	2.16 (1.54-3.02)	<0.001	1.41 (0.93-2.13)	0.10
Adjusted ^a	1.31 (0.82-2.09)	0.26	1.36 (0.91-2.05)	0.14	1.04 (0.65-1.67)	0.87
Females						
Speech/Language						
Unadjusted	1.09 (0.90-1.33)	0.37	1.60 (1.17-2.19)	0.003	1.32 (0.92-1.90)	0.13
Adjusted ^a	1.20 (0.97-1.49)	0.09	1.40 (0.96-2.03)	0.08	1.04 (0.68-1.58)	0.86
Scholastic						
Unadjusted	0.94 (0.49-1.83)	0.87	1.91 (1.00-3.64)	0.05	2.02 (1.05-3.89)	0.04
Adjusted ^a	0.72 (0.30-1.68)	0.44	0.83 (0.35-2.01)	0.69	1.17 (0.52-2.62)	0.71
Motor						
Unadjusted	1.11 (0.64-1.91)	0.72	2.00 (1.23-3.24)	0.005	1.80 (1.04-3.12)	0.03
Adjusted ^a	1.0 (0.52-1.92)	0.99	1.10 (0.60-2.01)	0.76	1.10 (0.58-2.10)	0.77

*Speech/language : F80, includes specific speech articulation disorder, expressive language disorder, receptive language disorder, acquired aphasia, other developmental disorders of speech and language, developmental disorder of speech and language; Scholastic: F81, specific reading disorder, specific spelling disorder, specific disorder of arithmetical skills, mixed disorder of scholastic skills, other developmental disorders of scholastic skills, developmental disorder of scholastic skills, unspecified; Motor: F82. The specific motor function disorders include marked neurodevelopmental immaturities such as choreiform movements of unsupported limbs or mirror movements and other associated motor features, as well as signs of impaired fine and gross motor coordination. All types of motor disorders were included except for those with specific congenital or acquired neurological disorder or co-morbid intellectual disability or autism spectrum disorder.

^aAdjusted for previous births, marital status, socioeconomic status, gestational age, exposure to antiepileptic drugs, mother's country of birth, parental death, smoking, maternal substance abuse, paternal age, maternal age, place of residence, exposure to anxiolytics/sedatives, entitlement to chronic diseases, maternal history of psychiatric diagnoses, and paternal history of psychiatric diagnoses.

eTable 5. Comparisons between the exposure groups for offspring speech/language disorders after exposure to 2 or more purchases of SSRI monotherapy and adjusted for maternal suicidal behavior

	SSRI-Exposed vs Unmedicated			SSRI-Exposed vs. Unexposed		
	HR	95% CI	P	HR	95% CI	P
Restricting to SSRI monotherapy ^a	1.34	1.07-1.68	0.01	1.59	1.28-1.98	<0.001
Adjusted for mother's suicidal behavior ^{a,b}	1.34	1.07-1.68	0.01	1.59	1.28-1.98	<0.001

^aAdjusted for sex, previous births, marital status, socioeconomic status, gestational age, exposure to antiepileptic drugs, mother's country of birth, parental death, smoking, maternal substance abuse, paternal age, maternal age, place of residence, exposure to anxiolytics/sedatives, entitlement to chronic diseases, maternal history of psychiatric diagnoses, and paternal history of psychiatric diagnoses.

^bAdjusted for diagnosis related to suicidal behavior (suicide attempt or self-harm, including *International Classification of Diseases 10th Revision [ICD-10]* X60-X84, Z72.8, Z91.5; *ICD-9* E950-E959, V156, V658).