Supplemental Online Content

Laugesen K, Skajaa N, Petersen I, et al. Mental disorders among offspring prenatally exposed to systemic glucocorticoids. *JAMA Netw Open.* 2025;8(1):e2453245. doi:10.1001/jamanetworkopen.2024.53245

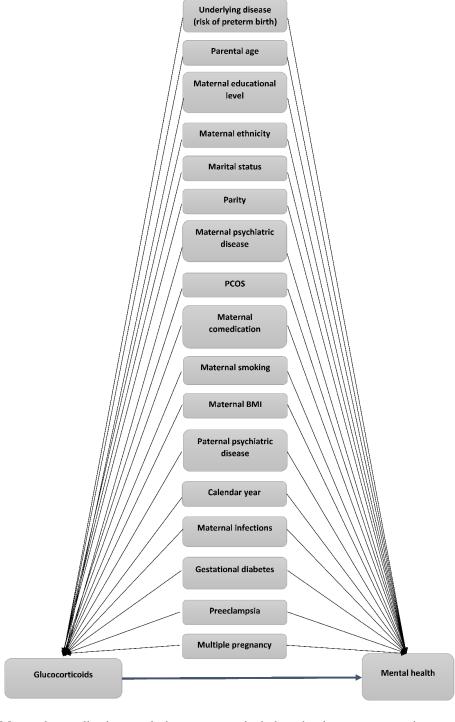
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This supplemental material has been provided by the authors to give readers additional information about their work.

Description of data sources

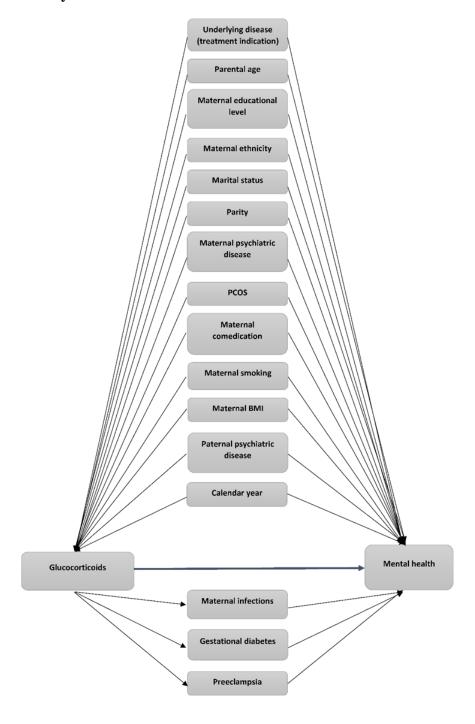
- The Danish Medical Birth Register, which contains information on all births in Denmark since 1973. Information includes the civil registration numbers of the infant, mother, and father; information associated with the pregnancy and delivery; and infant and maternal characteristics.
- The Danish National Prescription Registry, which contains information on all prescriptions redeemed at community pharmacies since 1995, coded according to the Anatomical Therapeutic Chemical Classification System (ATC).
- The Danish National Patient Registry, which contains information on all patients discharged from all Danish non-psychiatric hospitals since 1977. Since 1995, this registry has also included data on contacts with hospital psychiatric departments, emergency departments, and hospital outpatient clinics. Diagnoses are coded according to the International Classification of Diseases (Eighth Revision [ICD-8] between 1977 and 1993 and Tenth Revision [ICD-10] thereafter). This registry also contains information on the use of selected types of medications dispensed in-hospital, including glucocorticoid treatment for imminent preterm delivery (but not for other treatment indications) and treatment with other immunosuppressive agents.
- The social and demographic registers contain longitudinal data since 1980 on family, income, education, and employment.
- The Civil Registration System, which contains information on all Danish residents since 1968, including date of birth, sex, immigration/emigration, and vital status.

eFigure 1. Directed acyclic graph for offspring born to women at risk of preterm delivery.



Note: Maternal comedication use during pregnancy includes other immunosuppressive agents, nonsteroidal anti-inflammatory drugs, opioids, antidepressants, antipsychotics, stimulants, and antiepileptic drugs.

eFigure 2. Directed acyclic graph for offspring born to women with autoimmune or inflammatory disorders.



Note: Maternal underlying diseases (treatment indications) include obstructive pulmonary diseases, inflammatory bowel diseases, rheumatic diseases, renal diseases, skin diseases, and others. Maternal comedication use during pregnancy includes other immunosuppressive agents, nonsteroidal anti-inflammatory drugs, opioids, antidepressants, antipsychotics, stimulants, and antiepileptic drugs.

eTable 1. Codes used to define cohorts, covariates, and outcomes.

	ICD-8	ICD-10 or procedure codes	ATC/procedure
Mental health outcomes		33.33	
Autism spectrum disorders	NA	F84.x, excluding F842– F844	
Intellectual disability	NA	F7	
ADHD	NA	F90	N06BA
Mood, stress-related, or anxiety disorders	NA	F30–48, F91, F93	N06A, N05AN
Composite outcome		F7, F30–48, F84.x, excluding F842–F844, F90, F91, F93	N06A, N05AN, N06BA
Cohort establishment and covariates			
Risk of preterm delivery	NA	O470, O472, O422, O424, O60	
Obstructive pulmonary disease	491, 492, 493	J40-J46	R03
Inflammatory bowel disease	56301, 56302, 56309, 56319	K50, K51	
Rheumatic disease	446, 712, 716, 696, 734, 69549	M30–M36 M05–M14, M45, L93, L94, N085, N164, D690, I776, L95	
Renal disease	403, 404, 580–583, 59320	N00–08, N10–N12, N14–N16	
Skin disease	694, 697, 69610, 69619	L10-L14, L40, L43	
Other autoimmune disease (hematological, endocrine, neurological, or gastrointestinal)	28390, 28710, 24200, 24201, 24208, 24209, 24401, 24503, 25510, 340, 73309, 71249	D590, D591, D693, E050, E063, E271–3, G35, G70, K732	
Imminent preterm delivery	310, 73303, 71213	O472, O420, O422, O424, O60	BBHF3
Neurodevelopmental disorders	NA	F7, F80–90	N06BA
Mood, anxiety, OCD, or stress-related disorders or use of antidepressants	NA	F30–F48, F91, F93	N06A, N05AN

Schizophrenia spectrum disorders or use of antipsychotics	NA	F20–F29	N05A (except N05AN)
Substance use disorders	NA	F10-F19	
PCOS	25690	E282	
Co-medication use			
during pregnancy Antiepileptic medications			N03
Opioids			N02A
NSAIDs			M01
Other		ВОНЈ	L04
immunosuppressive			P01BA02
			A07EC0
Antidepressants or mood			N06A, N05AN
stabilizers			NOS A (
Antipsychotics			N05A (except N05AN) N06BA
Central nervous system stimulants			NOOBA
Pregnancy			
complications			
Gestational diabetes		O244	
Preeclampsia		O14–O15	
Infections during		O23, A00-A99, B00-	J01-J05
pregnancy		B99	

Abbreviations: ATC, anatomic, therapeutic, chemical. ICD, *International Classification of Diseases*. NSAID, non-steroidal anti-inflammatory drugs.

 $eTable\ 2.$ Anatomical Therapeutic Chemical (ATC) Classification and procedure codes for use of relevant drugs.

Medication type	ATC codes	Procedure codes
Systemic glucocorticoids (oral or injectable)		
Betamethasone	H02AB01	BBHF3
Dexamethasone	H02AB02	
Methylprednisolone	H02AB04	
Prednisolone	H02AB06	
Prednisone	H02AB07	
Triamcinolone	H02AB08	
Hydrocortisone	H02AB09	

eTable 3. Equivalency table presenting systemic glucocorticoid doses and corresponding prednisolone conversion factors.

	Equivalent glucocorticoid dose	Prednisolone conversion factor
Hydrocortisone	20	0.25
Methylprednisolone	4	1.25
Prednisolone	5	1
Prednisone	5	1
Dexamethasone	0.75	6.67
Betamethasone	0.6	8.33
Triamcinolone	4	1.25

Cumulative dose calculation:

The cumulative prednisolone-equivalent dose was calculated by multiplication of the number of pills/injections, dose per pill/injection, and prednisolone conversion factor for the drug of interest.

eTable 4. Parental and pregnancy characteristics of exposed and unexposed siblings. Characteristics of the unexposed cohorts are shown before and after weighting 1 .

	N (%)					
	Ri	sk of preterm deli	very	Autoimm	ine or inflammatory	y disorders
	Exposed siblings	Unexposed siblings (unweighted)	Unexposed siblings (weighted)	Exposed siblings	Unexposed siblings (unweighted)	Unexposed siblings (weighted)
All births	139	129	118	2437 (100)	2805 (100)	2289 (100)
Offspring sex, male	68 (49)	77 (60)	59 (50)	1258 (52)	1469 (52)	1209 (52)
Year of conception						
1999–2002	25 (18)	24 (19)	20 (17)	360 (15)	339 (12)	350 (15)
2003–2006	54 (39)	44 (34)	49 (41)	589 (24)	630 (22)	561 (25)
2007–2010	21 (15)	23 (18)	16 (14)	765 (31)	848 (30)	689 (30)
2011–2015	39 (27)	38 (29)	33 (28)	723 (30)	988 (35)	689 (30)
Maternal characteristics		, ,	` '	, ,	, ,	• /
Age at birth (y), median and IQR	31 (26–35)	30 (27–33)	31 (26–35)	33 (29–37)	33 (30–37)	33 (29–37)
Parity	, ,	, ,	` '	, ,	. ,	,
0	52 (37)	54 (42)	41 (36)	1258 (52)	2113 (87)	1199 (52)
≥1	87 (63)	72 (56)	77 (65)	1147 (47)	1925 (69)	1090 (48)
Missing	0 (0)	NA	0 (0)	32 (1.3)	30 (1.1)	0 (0)
Country of origin						
Danish	103 (74)	91 (71)	87 (73)	2113 (87)	2413 (86)	2016 (88)
Missing	0 (0)	, ,	0 (0)	13 (0.3)	16 (0.6)	0 (0)
Highest educational level						
Low	31 (22)	30 (23)	27 (22)	409 (17)	520 (19)	407 (18)
Moderate	38 (27)	38 (29)	35 (30)	972 (40)	1067 (38)	905 (40)
High	61 (44)	52 (40)	54 (46)	994 (41)	1130 (40)	977 (43)
Missing	9 (6.4)	8 (6.2)	0 (0)	62 (2.5)	88 (3.1)	0(0)
Marital status	` ,	` ,	` ,	` '	` ,	,
Married/civil	69 (50)	66 (51)	62 (52)	1440 (59)	1798 (64)	1358 (59)
partnership	` '	` '	` '	` /	` ′	` ′
Missing	0 (0)	0 (0)	0 (0)	14 (0.6)	17 (0.6)	0 (0)
BMI (kg/m²), median IQR	` '	` '	` '	` ′	` '	. ,
<18.5	13 (10)	8 (7.6)	13 (9.5)	88 (4.2)	96 (3.9)	84 (4.3)
18.5–24	74 (58)	59 (56)	58 (59)	1199 (58)	1363 (55)	1105 (57)
25–29	17 (13)	19 (18)	13 (14)	410 (20)	546 (22)	400 (21)
≥30	15 (12)	13 (12)	11 (11)	288 (14)	353 (14)	262 (14)
Missing (2004 onward)	8 (6.3)	6 (5.7)	NA	92 (4.4)	108 (4.4)	88 (4.5)

Not recorded before 2004	12 (100)	24 (100)	20 (100)	360 (100)	339 (100)	350 (100)
Smoking during pregnancy					400 /4 //	
Yes	17 (12)	16 (12)	13 (11)	366 (15)	400 (14)	358 (16)
Obstructive pulmonary disease	29 (21)	27 (21)	26 (22)	1298 (53)	1641 (59)	1236 (54)
Inflammatory bowel disease	NA	NA	NA	197 (8.0)	196 (7.0)	192 (8.4)
Rheumatic disease	NA	NA	NA	252 (10)	235 (8.4)	230 (10)
Renal disease	NA	NA	NA	109 (4.5)	134 (4.8)	107 (4.7)
Skin disease	NA	NA	NA	29 (1.2)	35 (1.3)	30 (1.3)
Neurodevelopmental disorders	NA	NA	NA	19 (0.8)	23 (0.8)	16 (0.7)
Mood, anxiety, or stress-related disorders	32 (23)	28 (22)	25 (22)	476 (20)	598 (21)	465 (20)
Schizophrenia spectrum disorders	6 (4.3)	NA	NA	89 (3.7)	106 (3.8)	93 (4.0)
Substance use disorders	NA	NA	NA	21 (0.9)	22 (0.8)	18 (0.8)
PCOS	NA	NA	NA	56 (2.3)	69 (2.5)	52 (2.3)
Co-medication use during pregnancy				, ,	, ,	, ,
Other immunosuppressive agents	NA	NA	NA	95 (3.9)	26 (0.9)	87 (3.8)
NSAIDs	NA	6 (4.6)	NA	86 (3.5)	39 (1.4)	72 (3.2)
Antiepileptic medications	NA	Ν̈́Α	NA	11 (0.4)	7 (0.3)	9 (0.4)
Opioids	NA	NA	NA	38 (1.6)	30 (1.1)	39 (1.7)
Antidepressants	NA	NA	NA	57 (2.3)	34 (1.2)	61 (2.7)
Antipsychotics	NA	NA	NA	7 (0.3)	5 (0.2)	NA
Stimulants	NA	NA	NA	NA	NA	NA
Paternal characteristics						
Age at birth (y), median and IQR	33 (29–37)	32 (29–36)	33 (29–37)	33 (29–37)	33 (30–37)	33 (29–37)
Neurodevelopmental disorders	NA	NA	NA	25 (1.0)	23 (0.8)	26 (1.1)
Mood, anxiety, or stress-related disorders	11 (7.9)	13 (10)	10 (8.5)	246 (10)	309 (11)	239 (10)
Schizophrenia spectrum disorders/psychoses	NA	NA	NA	69 (2.8)	78 (2.8)	65 (2.9)
Substance use disorders	NA	NA	NA	30 (1.2)	36 (1.3)	34 (1.5)
Pregnancy complications						- ()
Multiple pregnancy	28 (20)	11 (8.5)	24 (21)	$373 (15)^2$	249 (9.0)	$226 (9.9)^2$
Gestational diabetes	NA	NA	NA	$82 (3.4)^2$	82 (3.4)	$64(2.8)^2$
Preeclampsia	10 (7.2)	NA	6 (4.8)	$137 (5.6)^2$	102 (3.6)	$102 (4.5)^2$
Infections	32 (23)	26 (20)	24 (21)	$468 (19)^2$	738 (26)	$454 (20)^2$
10: 1 1: 1 1:00 1 17		CD : 1				

¹Standardized differences are all ≤0.1. They are not shown because of Danish legislation regarding individual-level data.

²Variables considered potential mediators (Supplemental Figure 2), thus not included in the PS-weighting. The variables are not expected to be balanced after weighting.

Abbreviations: BMI, body mass index; IQR, interquartile range; NSAIDs, nonsteroidal anti-inflammatory drugs; SGA, small for gestational age. Highest educational level at birth: low (primary and lower secondary education), medium (upper secondary education or professional degree), and high (university education at bachelor's degree level or higher). NA: not shown due to Danish legislation on presenting micro data.

eTable 5. Numbers at risk and numbers of outcomes according to exposure in unweighted and weighted cohorts. The numbers support Figure 2 and 3.

	Numbers					
	At risk	Autism spectrum disorders	Intellectual disabilities	ADHD	Mood, anxiety, or stress-related disorders	
Risk of preterm delivery						
Exposed	3659	104	35	92	82	
Unexposed (unweighted)	27,859	767	254	902	916	
Unexposed (weighted)	3349	76	22	66	69	
Autoimmune or						
inflammatory disorders						
Exposed	6453	154	36	164	167	
Unexposed (unweighted)	282,294	5999	1578	7412	7640	
Unexposed (weighted)	6010	113	26	118	129	
Former use (unweighted)	45,576	960	218	1136	1248	
Former use (weighted)	6022	114	24	130	135	
Cumulative dose (mg peq)						
<250	2344	60	16	81	73	
Unexposed (weighted)	2199	46	12	53	58	
250-499	1025	21	NA	16	19	
Unexposed (weighted)	974	16	3931	18	18	
=>500	3084	73	17	67	75	
Unexposed (weighted)	2867	50	10	48	54	

Abbreviations: ADHD, attention deficit hyperactivity disorder; peq, prednisolone equivalents.

eTable 6. Results of sensitivity analyses.

Outcomes	Adjusted 15-year relative risks (95% confidence intervals)					
	Sibling analysis	Outcome detected by hospital code or prescription medication	Restricted to singleton births	Active comparator		
Risk of preterm delivery						
Autism	NA	Not relevant	1.5 (1.0 to 1.9)	Not relevant		
Intellectual disability	NA	Not relevant	1.2 (0.7 to 1.8)	Not relevant		
ADHD	NA	1.5 (1.2 to 1.9)	1.3 (0.9 to 1.7)	Not relevant		
Mood, anxiety, or stress-related disorders	NA	1.4 (1.1 to 1.9)	1.5 (1.1 to 2.1)	Not relevant		
Composite outcome Autoimmune or inflammatory disorders	1.4 (0.5 to 3.9)	Not relevant	Not relevant	Not relevant		
Autism	NA	Not relevant	1.2 (1.0 to 1.5)	NA		
Intellectual disability	NA	Not relevant	1.4 (0.8 to 2.0)	NA		
ADHD	NA	1.3 (1.1 to 1.5)	1.3 (1.1 to 1.6)	NA		
Mood, anxiety, or stress-related disorders	NA	1.4 (1.2 to 1.7)	1.4 (1.1 to 1.7)	NA		
Composite outcome	1.3 (1.0 to 1.6)	Not relevant	Not relevant	1.7 (1.1 to 3.5)		

Notes: Adjusted for year of conception; parity; maternal and paternal age at conception; maternal smoking during pregnancy; specific maternal autoimmune or inflammatory disorders; maternal and paternal neurodevelopmental disorders; maternal and paternal mood, anxiety, and stress-related disorders; maternal and paternal schizophrenia spectrum disorders; maternal and paternal substance use disorders; maternal polycystic ovarian syndrome; maternal use of co-medications during pregnancy, including nonsteroidal anti-inflammatory drugs, other immunosuppressive agents, opioids, antiepileptic medications, antidepressants, antipsychotics, and stimulants; highest maternal educational level at conception; maternal country of origin; and civil status. For offspring born to women at risk of preterm delivery, we additionally adjusted for singleton/multiple pregnancy, gestational diabetes, preeclampsia, and maternal infections during pregnancy. Abbreviation: ADHD, attention deficit hyperactivity disorder; NA, not applicable due to low number of outcomes.

eTable 7. Results of sensitivity analyses.

	Adjusted 15-year relative risks (95% confidence intervals)					
Outcomes	Restricted to offspring born SGA	SGA included as covariate	Restriction to risk of preterm birth only	Restriction to autoimmune or inflammatory disorders only		
Risk of preterm delivery			•			
Autism	1.5 (0.9 to 2.6)	1.4 (1.1 to q.7)	1.4 (1.11 to 1.8)	Not relevant		
Intellectual disability	1.3 (0.6 to 2.9)	1.5 (1.1 to 2.5)	1.7 (1.1 to 2.7)	Not relevant		
ADHD	1.3 (0.6 to 2.1)	1.3 (1.1. to 1.6)	1.4 (1.1 to 1.7)	Not relevant		
Mood, anxiety, or stress-related	1.4 (0.6 to 2.1)	1.3 (0.9 to 1.4)	1.3 (0.9 to 1.6)	Not relevant		
disorders						
Autoimmune or inflammatory						
disorders						
Autism	Not relevant	Not relevant	Not relevant	1.3 (1.0 to 1.6)		
Intellectual disability	Not relevant	Not relevant	Not relevant	1.4 (0.9 to 2.4)		
ADHD	Not relevant	Not relevant	Not relevant	1.3 (1.0 to 1.5)		
Mood, anxiety, or stress-related disorders	Not relevant	Not relevant	Not relevant	1.4 (1.1 to 1.8)		

Notes: Adjusted for year of conception; parity; maternal and paternal age at conception; maternal smoking during pregnancy; specific maternal autoimmune or inflammatory disorders; maternal and paternal neurodevelopmental disorders; maternal and paternal mood, anxiety, and stress-related disorders; maternal and paternal schizophrenia spectrum disorders; maternal and paternal substance use disorders; maternal polycystic ovarian syndrome; maternal use of co-medications during pregnancy, including nonsteroidal anti-inflammatory drugs, other immunosuppressive agents, opioids, antiepileptic medications, antidepressants, antipsychotics, and stimulants; highest maternal educational level at conception; maternal country of origin; and civil status. For offspring born to women at risk of preterm delivery, we additionally adjusted for singleton/multiple pregnancy, gestational diabetes, preeclampsia, and maternal infections during pregnancy. Abbreviation: ADHD, attention deficit hyperactivity disorder; NA, not applicable due to low number of outcomes; SGA, small for gestational age.

eTable 8. Results of sensitivity analyses.

Adjusted 15-year relative risks (95% confidence intervals)

Outcomes	Exposed to prednisolone only	Exposed to prednisone only	Exposed to antenatal betamethasone only
Risk of preterm delivery			
Autism	Not relevant	Not relevant	1.5 (1.2 to 1.9)
Intellectual disability	Not relevant	Not relevant	1.3 (0.8 to 1.8)
ADHD	Not relevant	Not relevant	1.3 (1.0 to 1.7)
Mood, anxiety, or stress-related	Not relevant	Not relevant	1.5 (1.1 to 2.0)
disorders			
Autoimmune or inflammatory			
disorders			
Autism	1.4 (1.2 to 1.8)	1.9 (1.2 to 3.1)	Not relevant
Intellectual disability	1.4 (0.9 to 2.0)	1.8 (0.6 to 5.0)	Not relevant
ADHD	1.3 (1.1 to 1.5)	1.9 (1.2 to 3.1)	Not relevant
Mood, anxiety, or stress-related disorders	1.4 (1.2 to 1.8)	1.6 (0.9 to 2.7)	Not relevant

Notes: Adjusted for year of conception; parity; maternal and paternal age at conception; maternal smoking during pregnancy; specific maternal autoimmune or inflammatory disorders; maternal and paternal neurodevelopmental disorders; maternal and paternal mood, anxiety, and stress-related disorders; maternal and paternal schizophrenia spectrum disorders; maternal and paternal substance use disorders; maternal polycystic ovarian syndrome; maternal use of co-medications during pregnancy, including nonsteroidal anti-inflammatory drugs, other immunosuppressive agents, opioids, antiepileptic medications, antidepressants, antipsychotics, and stimulants; highest maternal educational level at conception; maternal country of origin; and civil status. For offspring born to women at risk of preterm delivery, we additionally adjusted for singleton/multiple pregnancy, gestational diabetes, preeclampsia, and maternal infections during pregnancy. Abbreviation: ADHD, attention deficit hyperactivity disorder; NA, not applicable due to low number of outcomes.

eTable 9. Results of subgroup analyses.

	Adjusted	d 15-year relative i	risks (95% confidence	intervals)		
Outcomes	Males	Females	Obstructive	Inflammatory	Rheumatic	Renal disease
			pulmonary disease	bowel disease	disease	
Risk of preterm						
delivery						
Autism	1.5 (1.2 to 2.1)	1.5 (0.9 to 2.4)	Not relevant	Not relevant	Not relevant	Not relevant
Intellectual disability	1.1 (0.7 to 1.8)	1.8 (0.9 to 3.8)	Not relevant	Not relevant	Not relevant	Not relevant
ADHD	1.4 (1.0 to 1.9)	1.4 (0.8 to 2.1)	Not relevant	Not relevant	Not relevant	Not relevant
Mood, anxiety, or stress-related disorders	1.2 (0.8 to 1.8)	1.9 (1.3 to 2.7)	Not relevant	Not relevant	Not relevant	Not relevant
Autoimmune or inflammatory disorders						
Autism	1.2 (1.0 to 1.4)	1.5 (0.9 to 2.2)	1.5 (1.2 to 1.9)	1.4 (0.5 to 2.8)	NA	NA
Intellectual disability	1.5 (0.9 to 2.4)	1.2 (0.7 to 2.2)	1.7 (1.0 to 2.5)	1.7 (0.4 to 2.7)	NA	NA
ADHD	1.2 (1.0 to 1.4)	1.2 (1.0 to 1.4)	1.4 (1.1 to 1.7)	1.2 (0.6 to 2.2)	NA	NA
Mood, anxiety, or stress-related disorders	1.3 (1.0 to 1.6)	1.3 (1.0 to 1.6)	1.6 (1.0 to 2.4)	1.6 (0.7 to 2.8)	NA	NA
Composite outcome	1.4 (1.2-1.5)	1.4 (1.2-1.5)	1.4 (1.2-1.6)	1.3 (0.8-1.7)	1.3 (0.8-1.6)	1.8 (1.2-2.8)

Notes: Adjusted for year of conception; parity; maternal and paternal age at conception; maternal smoking during pregnancy; specific maternal autoimmune or inflammatory disorders; maternal and paternal neurodevelopmental disorders; maternal and paternal mood, anxiety, and stress-related disorders; maternal and paternal schizophrenia spectrum disorders; maternal and paternal substance use disorders; maternal polycystic ovarian syndrome; maternal use of co-medications during pregnancy, including nonsteroidal anti-inflammatory drugs, other immunosuppressive agents, opioids, antiepileptic medications, antidepressants, antipsychotics, and stimulants; highest maternal educational level at conception; maternal country of origin; and civil status. For offspring born to women at risk of preterm delivery, we additionally adjusted for singleton/multiple pregnancy, gestational diabetes, preeclampsia, and maternal infections during pregnancy. Abbreviation: ADHD, attention deficit hyperactivity disorder; NA, not applicable due to low numbers of outcomes.

eTable 10. Adjusted 15-year relative risks and 95% confidence intervals for exposed offspring vs. all unexposed offspring from the general population.

	Autism spectrum disorders	Intellectual disability	ADHD	Mood, anxiety, or stress- related disorders
Risk of preterm delivery				
Exposed vs. all unexposed in the general population	1.9 (1.6 to 2.5)	2.0 (1.4 to 2.7)	1.6 (1.2 to 1.9)	1.9 (1.5 to 2.9)
Autoimmune or inflammatory disorders				
Exposed vs. all unexposed in the general population	1.3 (1.1 to 1.7)	1.4 (1.0 to 1.9)	1.4 (1.2 to 1.6)	1.6 (1.3 to 2.0)

Notes: Adjusted for year of conception; parity; maternal and paternal age at conception; maternal smoking during pregnancy; maternal and paternal neurodevelopmental disorders; maternal and paternal mood, anxiety, and stress-related disorders; maternal and paternal schizophrenia spectrum disorders; maternal and paternal substance use disorders; maternal polycystic ovarian syndrome; maternal use of co-medications during pregnancy, including nonsteroidal anti-inflammatory drugs, other immunosuppressive agents, opioids, antiepileptic medications, antidepressants, antipsychotics, and stimulants; highest maternal educational level at conception; maternal country of origin; and civil status. For offspring born to women at risk of preterm delivery, we additionally adjusted for singleton/multiple pregnancy, gestational diabetes, preeclampsia, and maternal infections during pregnancy. Abbreviation: ADHD, attention deficit hyperactivity disorder.