

Supplementary data

Table 1. Association of asthma and rhinitis in offspring, with parental tuberculosis in different age windows. *

	Asthma	Rhinitis
	OR (95% CI) ²	OR (95% CI)
Age at diagnosis of parental tuberculosis		
After offspring's year of birth ¹	1	1
Before parental age 8 years	1.71 (1.18-2.47)	1.04 (0.77-1.42)
After age 8 years and before offspring's year of birth	1.32 (0.96-1.82)	1.11 (0.86-1.43)

*Model adjusted for parental asthma and rhinitis

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 2. Association of asthma and rhinitis in offspring, with parental tuberculosis in different age windows. *

	Asthma OR (95% CI) ²	Rhinitis OR (95% CI)
Age at diagnosis of parental tuberculosis		
After offspring's year of birth ¹	1	1
Before parental age 8 years	1.96 (1.35-2.86)	1.11 (0.82-1.51)
After age 8 years and before offspring's year of birth	1.52 (1.10-2.12)	1.17 (0.90-1.51)

*Model adjusted for parental year of birth

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 3. Associations of parental tuberculosis at different age windows with offspring asthma stratified in different subgroups.

	After offspring's year of birth ¹	Before parental age 8 years	After age 8 years and before offspring's year of birth
	OR (95% CI) ²	OR (95% CI)	OR (95% CI)
Parental lines			
Maternal	1	1.95 (1.13-3.37)	1.74 (1.08-2.80)
Paternal	1	1.39 (0.84-2.29)	1.02 (0.65-1.58)
Offspring's sex			
Female	1	2.03 (1.23-3.34)	1.66 (1.04-2.63)
Male	1	1.44 (0.89-2.34)	1.14 (0.76-1.72)
Parent-offspring sex			
Mother-daughter	1	1.94 (0.88-4.33)	2.59 (1.22-5.49)
Mother-son	1	1.99 (0.95-4.16)	1.23 (0.66-2.32)
Father-daughter	1	1.93 (0.99-3.73)	1.05 (0.56-1.98)
Father-son	1	1.01 (0.53-1.94)	0.99 (0.57-1.70)
Parent's migrant status			
Foreign-born	1	2.45 (0.97-6.17)	1.56 (1.08-2.28)
Norwegian-born	1	1.51 (0.57-4.24)	1.05 (0.37-2.94)
Tuberculosis location in parents			
Pulmonary	1	1.81 (1.06-3.12)	1.05 (0.68-1.66)
Extra-pulmonary	1	1.75 (1.05-2.92)	1.80 (1.13-2.88)
Parental asthma			
Yes	1	0.97 (0.45-2.12)	1.15 (0.62-2.13)
No	1	2.02 (1.32-3.09)	1.40 (0.96-2.06)

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 3. Multilevel logistic regression. Estimates for associations of parental tuberculosis at age 8 years and age 8 years but before conception with offspring asthma (reference category: parental tuberculosis after offspring's birth year) in subgroups according to parent' sex, offspring' sex, both parental and offspring's sex, parental migrant status, tuberculosis site in parents and parental asthma.

Table 4. Association of asthma and rhinitis in offspring, with parental tuberculosis in different age windows.

	Asthma OR (95% CI) ²	Rhinitis OR (95% CI)
Age at diagnosis of parental tuberculosis		
After offspring's year of birth ¹	1	1
Before parental age 8 years	1.73 (1.20-2.50)	1.04 (0.77-1.40)
After age 8 years and before age 15 years	1.26 (0.78-2.06)	0.81 (0.54-1.20)
After age 15 years and before offspring's year of birth	1.43 (1.01-2.04)	1.26 (0.96-1.66)

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 4. Multilevel logistic regressions that estimate the association of asthma and rhinitis in offspring, with parental tuberculosis in **three** different age windows.

Table 5. Association of asthma and rhinitis in offspring, with parental tuberculosis in different age windows. *

Age at diagnosis of parental tuberculosis	Asthma OR (95% CI) ^{2*}	Rhinitis OR (95% CI)
After offspring's year of birth ¹	1	1
Before parental age 8 years	1.71 (1.18-2.46)	1.04 (0.77-1.41)
After age 8 years and before age 15 years	1.17 (0.72-1.90)	0.82 (0.55-1.22)
After age 15 years and before offspring's year of birth	1.39 (0.98-1.97)	1.24 (0.94-1.64)

*Model adjusted for parental asthma and rhinitis

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 6. Association of asthma and rhinitis in offspring, with parental tuberculosis in different age windows. *

Age at diagnosis of parental tuberculosis	Asthma OR (95% CI) ²	Rhinitis OR (95% CI)
After offspring's year of birth ¹	1	1
Before parental age 8 years	1.96 (1.34-2.86)	1.10 (0.77-1.41)
After age 8 years and before age 15 years	1.46 (0.89-2.40)	0.88 (0.59-1.32)
After age 15 years and before offspring's year of birth	1.55 (1.08-2.21)	1.29 (0.98-1.70)

*Model adjusted for parental year of birth

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 7. Associations of parental tuberculosis at different age windows with offspring asthma stratified in different subgroups.

	After offspring's year of birth ¹	Before parental age 8 years	After age 8 years and before age 15 years	After age 15 years and before offspring's year of birth
	OR (95% CI) ²	OR (95% CI)	OR (95% CI)	OR (95% CI)
Parental lines				
Maternal	1	1.95 (1.13-3.37)	1.88 (0.93-3.77)	1.68 (0.99-2.85)
Paternal	1	1.39 (0.84-2.29)	0.77 (0.39-1.52)	1.12 (0.70-1.79)
Offspring's sex				
Female	1	2.03 (1.23-3.34)	1.22 (0.62-2.39)	1.91 (1.14-3.18)
Male	1	1.44 (0.89-2.34)	1.26 (0.68-2.37)	1.09 (0.70-1.72)
Parent-offspring sex				
Mother-daughter	1	1.95 (0.87-4.37)	2.05 (0.74-5.65)	2.96 (1.25-7.02)
Mother-son	1	1.99 (0.95-4.13)	1.73 (0.68-4.43)	1.07 (0.54-2.15)
Father-daughter	1	1.93 (0.99-3.73)	0.66 (0.25-1.77)	1.25 (0.64-2.45)
Father-son	1	1.01 (0.53-1.94)	0.89 (0.38-2.08)	1.02 (0.57-1.83)
Parent's migrant status				
Foreign-born	1	2.45 (0.97-6.20)	3.25 (0.69-15.2)	1.53 (1.05-2.24)
Norwegian-born	1	1.55 (0.57-4.23)	1.10 (0.39-3.15)	0.90 (0.26-3.08)
Tuberculosis location in parents				
Pulmonary	1	1.82 (1.06-3.13)	1.28 (0.57-2.90)	1.02 (0.63-1.63)
Extra-pulmonary	1	1.75 (1.05-2.91)	1.38 (0.74-2.58)	2.12 (1.24-3.62)
Parental asthma				
Yes	1	0.97 (0.45-2.11)	1.43 (0.64-3.19)	1.01 (0.50-2.04)
No	1	2.01 (1.32-3.8)	1.04 (0.57-1.90)	1.56 (1.03-2.34)

¹Reference category

²Odds ratio (95% Confidence Intervals)

Table 3. Multilevel logistic regression. Estimates for associations of parental tuberculosis before age 8 years, between age 8 years and age 15 years and after age 15 years but

before offspring's conception, with offspring asthma (reference category: parental tuberculosis after offspring's birth year) in subgroups according to parent' sex, offspring' sex, both parental and offspring's sex, parental migrant status, tuberculosis site in parents and parental asthma.