

## Results with details, supplementary material 1

### *Substance abuse*

To avoid very rare events and ensure the same time-span between suspected abuse and beginning of risk-time for outcome, only children at the age of 10 or more at inclusion were included in the analysis. This cutoff was chosen inspired by Chen CM et al.<sup>17</sup> The analysis was planned to include maternal education as a co-variate, but only in a dichotomized form. Suspected physical child abuse and sexual child abuse was prospectively associated with substance abuse, see table S1.

**Table S1, IRR of any diagnosis of substance abuse among children 10 or more years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected physical abuse	7.15 (2.23-22.93)	0.001
Suspected sexual abuse	4.14 (2.62-6.55)	0.000
Suspected multiple types of abuse	3.94 (1.29-12.07)	0.016
<b>Age at inclusion</b>	1.05 (0.91-1.21)	0.523
<b>Gender</b>		
Female	1.53 (0.72-3.27)	0.268
<b>Maternal education dichotomized</b>		
Secondary level or more	0.65 (0.43-1.00)	0.051
<b>Separation before inclusion</b>		
Separation of parents	1.02 (0.69-1.51)	0.903
<b>Intercept</b>	0.00 (0.00-0.02)	0.000

The reference represents a male with no suspected child abuse, maternal education at primary level or missing data and no separation of parents. This model was based on Poisson regression.

### *Severe non-suicidal self-injury*

To avoid including age groups in which self-injury is very rare and ensure the same time-span between suspected abuse and onset of risk-time for outcome for all participants, only children at the age of 7 or more at inclusion were included in the analysis. This cutoff was chosen inspired by Bem D. et al.<sup>20</sup> In this data set, only 38 cases of self-injury were present. Consequently, the analysis was planned with a minimum of covariates and levels of categories. Suspected child abuse was prospectively associated with non-suicidal self-injury, see table S2.

**Table S2, IRR of any diagnosis of severe non-suicidal self-injury among children 7 or more years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected child abuse	5.03 (2.59-9.77)	0.000
<b>Age at inclusion</b>		
	0.96 (0.84-1.09)	0.505
<b>Gender</b>		
Female	4.66 (0.62-34.97)	0.135
<b>Separation before inclusion</b>		
Separation of parents	1.16 (0.60-2.25)	0.653
<b>Intercept</b>		
	0.00 (0.00-0.00)	0.000

The reference represents a male with no suspected child abuse and no separation of parents. This model was based on Poisson regression.

### ***School absenteeism***

For all children with attendance records, there were at least 1000 days between the suspected abuse and the first register entry of school attendance. To avoid giving participants an uneven time-span between inclusion and the first observation, analyses were stratified on age groups. The analysis was planned with a minimum of covariates and levels of categories. Suspected child abuse was prospectively associated with absenteeism among children 0-3 years old at inclusion, but not among children 4-7 years old at inclusion, see tables S3 and S4.

**Table S3, IRR of school absenteeism among children 0-3 years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected child abuse	1.30 (1.01-1.68)	0.041
<b>Gender</b>		
Female	1.03 (0.89-1.19)	0.713
<b>Maternal education dichotomized</b>		
Secondary level or more	0.75 (0.63-0.89)	0.001
<b>Separation before inclusion</b>		
Separation of parents	0.94 (0.81-1.08)	0.371
<b>Intercept</b>		
	15.50 (12.66-18.99)	0.000

The reference represents a male with no suspected child abuse, maternal education at primary level or missing data and no separation of parents. This model was based on negative binomial regression.

**Table S4, IRR of School absenteeism among children 4-7 years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected child abuse	1.10 (0.85-1.42)	0.463
<b>Gender</b>		
Female	0.95 (0.77-1.17)	0.613
<b>Maternal education dichotomized</b>		
Secondary level or more	0.68 (0.56-0.83)	0.000
<b>Separation before inclusion</b>		
Separation of parents	1.10 (0.92-1.3)	0.293
<b>Intercept</b>	20.18 (15.64-26.04)	0.000

The reference represents a male with no suspected child abuse, maternal education at primary level or missing data and no separation of parents. This model was based on negative binomial regression.

### *Number of offspring*

To avoid including person time from children unable or highly unlikely to get pregnant, the analysis was restricted to only those who reached the age of 16 during the observation period. There were no births in the data set among individuals younger than 16 years old. The analysis was restricted to girls; boys could also be thought to make families at an early stage, but we did not have data on their partners, and such data are unlikely to exist in reliable quality as many under-aged couples would not yet be visible in the public registries as wedded or living together. To ensure comparable time-span between suspected abuse and beginning of risk-time for outcome, the analysis was stratified on age groups. The group of girls between 8 and 11 years only allowed for an analysis with the smallest possible set of covariates. The group of girls between 12 and 16 years allowed for a more detailed analysis, using the available independent variables. Suspected child abuse, and the subcategory suspected child sexual abuse, was prospectively associated with an increased count of births, see tables S5 and S6.

**Table S5, Number of offspring among girls 8-11 years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected child abuse	3.93 (2.14-7.22)	0.000
<b>Separation before inclusion</b>		
Separation of parents	1.16 (0.65-2.07)	0.609
<b>Intercept</b>	0.02 (0.01-0.03)	0.000

The reference represents a female with no suspected child abuse and no separation of parents. This model was based on negative binomial regression.

**Table S6, Number of offspring among girls 12-16 years old at inclusion**

<b>Exposure and covariates</b>	<b>IRR, 95% CI</b>	<b>P-value</b>
<b>Suspected child abuse</b>		
Suspected physical abuse	1.21 (0.44-3.31)	0.707
Suspected sexual abuse	1.67 (1.27-2.20)	0.000
Suspected multiple types of abuse	1.46 (0.50-4.26)	0.487
<b>Maternal education</b>		
Primary level	2.09 (0.77-5.67)	0.147
Secondary level	1.50 (0.56-4.06)	0.422
Higher certificate, degree level or higher	0.80 (0.29-2.21)	0.663
<b>Separation before inclusion</b>		
Separation of parents	1.23 (0.98-1.54)	0.071
<b>Intercept</b>	0.02 (0.01-0.06)	0.000

The reference represents a female with no suspected child abuse, maternal education with missing data and no separation of parents. This model was based on negative binomial regression.