Supplemental Online Content

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

eTable 1. Baseline Characteristics of SIDS Index Cases Compared With the General Pediatric Population During Study Period, 1978-2016

	Index cases (n=1,465)	General population (n=2,666,834)
Male sex, n (%)	888 (61)	1,395,199 (52)
Age at SIDS, median months (IQR)	3 (2-4)	
Mothers age, median year (IQR)	26 (23-30)	29 (26-33)
Income (household), n (%)		
Low	366 (55)	593,580 (33)
Middle	228 (34)	611,575 (34)
High	74 (11)	593,584 (33)
Missing data	797	868,095
Education (mother), n (%)		559,802 (26)
Elementary	701 (56)	217,456 (10)
High school	93 (7)	654,019 (31)
Vocational	268 (22)	534,239 (25)
Short/medium higher	153 (12)	161,477 (8)
Long/higher education	30 (2)	539,841 (20)
Missing data	220	1,395,199 (52)

eTable 2. Baseline Characteristics of Siblings of Index Cases Compared With the General Pediatric Population During Study Period, 2002-2016

Variables	Siblings of index cases (n=122)	General population (n=959,140)	P-value
Male sex, n(%)	62 (51)	492,226 (51)	0.91
Mothers age, median year (IQR)	29 (25-34)	31 (27-34)	<0.01
Income (household)*, n(%)			
Low	72 (59)	307,125 (33)	<0.0001
Middle	28 (23)	316,441 (34)	
High	22 (18)	307,130 (33)	
Missing data	0	28,444	
Education (mother), n(%)			
Elementary	65 (59)	151,579 (17)	<0.0001
High school	6 (6)	90,559 (10)	
Vocational	23 (21)	248,971 (28)	
Short/medium/long higher education	17 (15)	387,173 (44)	
Missing data	11	80,858	

*Household income stratified in tertiles low (<495,950 DKK), middle (495,951-720,646 DKK), and high (>720,647).

eTable 3. Baseline Characteristics of SIDS Index Cases Compared With the General Pediatric Population During Study Period 2002-2016

Variables	Index cases (n=92)	General population (n=959,140)	P-value
Male sex, n(%)	55 (60)	492,226 (51)	0.10
Age at SIDS, median months (IQR)	2 (1-4)		
Mothers age, median year (IQR)	27 (23-33)	31 (27-34)	<0.0001
Income (household), n(%)			
Low	60 (65)	307,125 (33)	<0.0001
Middle	24 (26)	316,441 (34)	
High	8 (9)	307,130 (33)	
Missing data	0	28,444	
Education (mother), n(%)			
Elementary	45 (55)	151,579 (17)	<0.0001
High school	5 (6)	90,559 (10)	
Vocational	20 (24)	248,971 (28)	
Short/medium/long higher education	12 (15)	387,173 (44)	
Missing data	10	80,858	

eTable 4. SIRs for SIDS in Siblings of SIDS Index Cases During Study Period 2002-2016

	N (no. of events (SIDS))	Adjusted SIRs*	Adjusted SIRs**
General population	959,140 (103)	Reference	Reference
Siblings to SIDS victims	122 (≤3)	3.94 (95% CI 2.55-5.32)	4.17 (95% CI 2.21-6.13)

The reference in the general population. CI=confidence interval. *Adjusted for age, sex and calendar year. ** Adjusted for age, sex, calendar year, mothers age (<30y (median age) vs ≥30y), and mothers education (high school vs. after high school).

eFigure. Flowchart Illustrating the Selection of the Sibling Cohort, Which Comprised Siblings to Index Cases With SIDS Between 2002 and 2016

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┌─────────────────────────────────────────────────────────────────────┐
│                              960,985                                  │
│   All Danish residents born in the period 2002-2016 and <1 year at    │
│                            study start                                │
└─────────────────────────────────────────────────────────────────────┘
        │
        │          ┌──────────────────────────────────────────┐
        │─────────▶│ Excluded:                                │
        │          │ 1,720: Adopted                           │
        │          │ 125: Stillborn                           │
        ▼          └──────────────────────────────────────────┘
┌─────────────────────────────────────────────────────────────────────┐
│                              959,140                                  │
│ All Danish residents, not stillborn or adopted, born in the period    │
│              2002-2016 and <1 year at study start                     │
└─────────────────────────────────────────────────────────────────────┘
        │
        │          ┌──────────────────────────────────────────┐
        │─────────▶│ Excluded:                                │
        │          │ 959,037: No SIDS                         │
        ▼          └──────────────────────────────────────────┘
┌─────────────────────────────────────────────────────────────────────┐
│                                103                                    │
│   All Danish residents diagnosed with SIDS in the period 2002-2016    │
└─────────────────────────────────────────────────────────────────────┘
        │
        │          ┌──────────────────────────────────────────┐
        │─────────▶│ Excluded:                                │
        │          │ 11: All patients diagnosed with SIDS     │
        │          │ that did not have any siblings or no      │
        │          │ information on familial relations        │
        ▼          └──────────────────────────────────────────┘
┌─────────────────────────────────────────────────────────────────────┐
│                                 92                                    │
│         First sibling in a sibship with SIDS (index cases)            │
└─────────────────────────────────────────────────────────────────────┘
        │
        ▼
┌──────────────────────────────────────┐
│                 122                   │
│  Younger siblings to index cases      │
│             (cases)                   │
└──────────────────────────────────────┘
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