

Supplementary Online Content

Sun Y, Christensen J, Hviid A, Li J, Vedsted P, Olsen J, Vestergaard M. Risk of febrile seizures and epilepsy after vaccination with diphtheria, tetanus, acellular pertussis, inactivated poliovirus, and *Haemophilus influenzae* type b. *JAMA*. 2012;307(8):823-831.

eTable. Hazard ratio (HR) of recurrent febrile seizure and epilepsy among children diagnosed with their first febrile seizure within 0-7 days after DTaP-IPV-Hib a vaccination

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

eTable. Hazard ratio (HR) of recurrent febrile seizure and epilepsy among children diagnosed with their first febrile seizure within 0-7 days after DTaP-IPV-Hib a vaccination

| Children with their first febrile seizure | Population | Person-time (days) | Risk of recurrent febrile seizure | | | | Risk of epilepsy | | | | |
|---|------------|--------------------|---|-----------------|----------|--------------------------|--------------------|------------------------|-----------------|----------|--------------------------|
| | | | Children with recurrent febrile seizure | IR ^b | Crude HR | Adjusted ^c HR | Person-time (days) | Children with epilepsy | IR ^b | Crude HR | Adjusted ^c HR |
| Not occur within 0-7 days of vaccination | 7,561 | 6,044,722 | 2,207 | 133.3 | Ref | Ref | 7,952,970 | 208 | 9.5 | Ref | Ref |
| Occur within 0-7 days of vaccination | | | | | | | | | | | |
| Any vaccination | 250 | 187,861 | 80 | 155.4 | 1.11 | 1.09 (0.86-1.38) | 246,413 | 8 | 11.9 | 1.20 | 0.61 (0.27-1.40) |
| First vaccination | 17 | 14,804 | 4 | 98.6 | 0.73 | 1.46 (0.40-5.40) | 16,520 | 2 | 44.2 | 4.48 | 0.59 (0.10-3.54) |
| Second vaccination | 32 | 22,148 | 11 | 181.3 | 1.25 | 1.00 (0.51-1.98) | 27,325 | 3 | 40.1 | 3.84 | 0.48 (0.12-1.96) |
| Third vaccination | 201 | 150,909 | 65 | 157.2 | 1.12 | 1.10 (0.85-1.42) | 202,568 | 3 | 5.4 | 0.55 | 0.80 (0.24-2.60) |

^a DTaP-IPV-Hib refers to Diphtheria-tetanus-acellular pertussis-inactivated poliovirus-Haemophilus influenza type vaccine.

^b Incidence rate per 1000 person years.

^c Adjusted for onset age of the first febrile seizure, the child's sex, multiple birth (singletons, multiple birth), calendar year of birth (one-year interval), seasons of birth (winter: Dec-Feb, spring: Mar-May, summer: Jun-Aug, autumn: Sep-Nov), gestational age (<37, 37-41, 41+ weeks), birth weight (<2,500, 2,500-2,999, 3,000-3,499, 3,500-3,999, 4,000+ grams), parity of the mother (1, 2+), parental history of epilepsy (no, yes), maternal education (<=9 years, 10-12 years, >=13 years, missing), and family income at the time of birth (quartiles, plus a group of children with a missing value on the income of one of the parents).