

No increase in febrile seizures with 2010-2011 TIV or PCV13

September 15 2015



(HealthDay)—For the 2010-2011 influenza season, there was no increase in the risk of febrile seizures (FS) with the trivalent inactivated influenza vaccine (TIV) or the 13-valent pneumococcal conjugate vaccine (PCV13), according to research published online Sept. 14 in *Pediatrics*.

Alison Tse Kawai, Sc.D, of Harvard Medical School in Boston, and colleagues examined the FS rate after TIV and PCV13 for a risk interval of zero to one days versus a control interval of 14 to 20 days as part of the Post-Licensure Rapid Immunization Safety Monitoring Program.

The researchers found no statistically significant TIV-FS associations in unadjusted or adjusted models. After adjusting for age and seasonality, PCV13 was significantly associated with FS (incidence rate ratio [IRR],

1.74; 95 percent confidence interval [CI], 1.06 to 2.86); but after further adjusting for concomitant TIV and diphtheria tetanus acellular pertussis-containing vaccines (DTaP), the association was not significant (IRR, 1.61; 95 percent CI, 0.91 to 2.82). Same-day vaccination with TIV and PCV13 was not associated with increased risk of FS compared with separate-day vaccination (1.08 fewer FS per 100,000 with same-day administration; 95 percent CI, -5.68 to 6.09).

"No statistically significant increased risk of FS was found for 2010-2011 TIV or PCV13, when adjusting for concomitant vaccines," the authors write. "Same-day TIV and PCV13 vaccination was not associated with more FS compared with separate-day vaccination."

Two authors disclosed financial ties to health insurance companies.

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Citation: No increase in febrile seizures with 2010-2011 TIV or PCV13 (2015, September 15)
retrieved 4 May 2024 from

<https://medicalxpress.com/news/2015-09-febrile-seizures-tiv-pcv13.html>

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